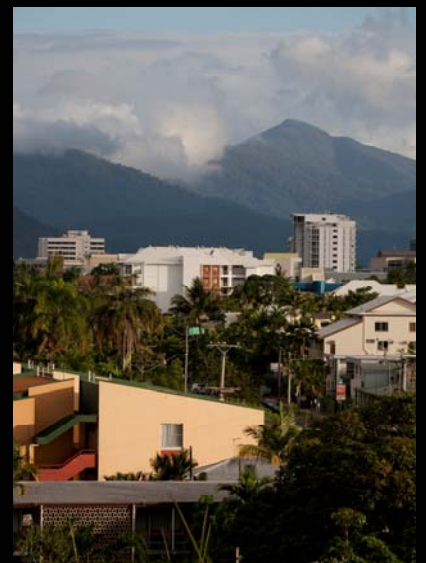




Advancing Tropical Green Build

Business Directory



Contribution acknowledgements:



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Advancing Tropical Green Build Business Directory

Tropical Green Building expertise is expertise that has been adapted or developed to meet :

- **the unique conditions of tropical environments**
- **uses processes which are environmentally responsible and resource efficient throughout the building's life cycle in the tropics.**

The tropical green building sector is growing rapidly worldwide due to the scarcity of natural resources, rising costs of fossil fuel energy, rising material costs and climate change. The economic growth forecast for the tropical zone including India and South East Asia will lead to increased demand for innovative, climate resilient, energy efficient tropical green build solutions. Tropical North Queensland is establishing itself as a worldwide hub for tropical green building as one of the world's most developed tropical regions.

Category Descriptions

Local inventions

Businesses from North and Far North Queensland who have invented and patented a new product that especially caters to buildings and /or infrastructure in tropical climates.

Climate resilience

Climate resilience and adaptation for cyclones, storm surges, inundation and food security

Products and services developed for the adaptation of, and increased resilience of buildings, infrastructure and communities against cyclones and high wind, storm surge and inundation events in the tropical zone. In particular resilience against the adverse impacts of climate change exacerbated events and changes in local weather patterns and conditions.

Tropical design

Tropical Design: Urban Planning, Architecture, Building Design, Engineering, Surveying, Landscaping

Service providers with specific expertise and experience in designing urban spaces, buildings, infrastructure, landscaping, and engineering solutions in tropical climates. Experience often differentiated into wet tropics, dry tropics and sub-tropical climates. Covers all design disciplines related to the built environment such as town planners and urban designers, surveyors, building designers, architects, civil / structural/ mechanical / electrical / geotechnical and environmental engineers, landscape architects and designers including permaculture.

Development & construction

Development and construction of buildings and infrastructure in tropical climates

Builders and companies that project manage development and construction of buildings and community infrastructure in tropical climates.

Water

Water management: stormwater, wastewater, supply

Products and services related to water management in tropical locations, at various points in the water cycle and any scale of use i.e. macro or micro. Includes rainwater and stormwater capture, storage, pumping, treatment (including of sewage), supply, reuse, recycling, water efficiency, hydrological modelling, runoff management, water sensitive urban design.

Air-conditioning & ventilation

Businesses with expertise in the provision of products, services and solutions for mechanical air-conditioning, dehumidification and ventilation of buildings in tropical climates.

Smart technologies

Smart Technologies: renewables & energy, materials, insulation, lighting & building maintenance

Businesses providing products, service or knowledge of innovative 'green' technologies in building materials, fixtures, finishes and fittings. This includes renewable energy and energy efficiency technologies and products such as insulation and lighting; eco-preferred construction materials and services that consider 'whole of life' costs and lower chemical and toxin impacts such as paint, building boards and maintenance products and services.

Tropical, local & recycled

Tropical & Recycled Materials: climate appropriate, locally sourced & manufactured, or with recycled content

Businesses utilising or facilitating the use of materials that are effective, appropriate and resilient for use in tropical climates. Businesses utilising or promoting use of construction materials that are sourced locally or manufactured locally. Businesses using or promoting use of recycled content materials.

Environment management

Environment Management of tropical landscapes & biodiversity

Service providers with environmental management and / or natural resource management skills and experience in tropical climates relevant to urban development. Areas of expertise include but not limited to: landscape assessment, land management, flora, fauna & biodiversity studies, ecosystem management, revegetation, nursery services including seed collecting, soils, effective biological microorganisms, urban landscaping for environmental benefits.

Advice & ratings

Advice, Assistance, Assessments, Business Consultancy, Green Building Ratings

Consultancies or other organisations providing advice, assistance, energy (or other) assessments, building performance modelling, green building (or development) ratings or otherwise providing business consultancy services that facilitate greener built environment outcomes.

Education & training

Providers of educational resources, educational programs and training related to achieving a more sustainable built environment in tropical climates.

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9point9 Architects



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Email zammi@9point9.com.au
Web www.9point9.com.au
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PO Box 1604
Townsville QLD 4810

9point9 is a young, emerging Australian architectural collaborative with studios in North Queensland, Victoria and Tasmania.

9point9 are dedicated to the development of unique, innovative and responsive architecture.

Specialist Areas of Tropical Expertise

Tropical architecture : housing, commercial, resorts, industrial
Energy efficient buildings
Tropical urban design

Fields of Commerce

Consulting
Project management
Contract administration
Research

Target Industries

Commercial and residential design for urban, semi urban, rural & remote
Mining, defence, tourism, hospitality, educational, recreational, government
Public infrastructure, urban spaces
Heritage projects
Manufactured / prefabricated and modular buildings

Company Profile

9point9 is a young, emerging Australian architectural practice with studios in North Queensland, Victoria and Tasmania.

From the tropical North to the temperate urban and remote regions of the South East we aspire to create unique and innovative buildings, as diverse and eclectic as the landscapes they occupy. Understanding and appreciating the qualities and characteristics of a particular place is fundamental to the 9point9 design philosophy.

We are dedicated to the development of responsive architecture. Climatic conditions are never constant, therefore our buildings need to be dynamic rather than static objects. By encouraging this interaction with the built form we in turn encourage human and social interaction, increasing the connection between inhabitant and their environment.

With over 20 years of combined industry experience, the three directors collaborate on all projects to bring together our varied skills and expertise to enrich the architecture we produce.

Technologies & Capabilities

Architectural design, project management, project procurement, inception, feasibility, concept development, design, master planning, community consultation, documentation and contract administration to a wide range of projects of various types and scales, across a range of diverse climates and contexts.

Zammi Rohan, Director of the North Queensland office has worked on over 200 projects, including: master plans for town centres, residential estates, commercial precincts, mixed use developments, convention centres, resorts, multi-residential, large and small houses, renovations, bridges, shade structures, bus stops and customised furniture.

An understanding and appreciation of both the macro and micro elements of any given project results in the production of appropriate, meaningful and contextually relevant outcomes.

Zammi has received wide acclaim for his work. He has won numerous awards, his projects have been featured in local, national and international print publications and been exhibited in the National Portrait Gallery, Canberra.

Zammi has presented at local, national and international symposiums.

9point9
Architects



Year Established

2009

Current Export Markets

Cambodia

Target Export Markets

South East Asia

South Pacific

Type of Export Business Sought

Direct export

Joint venture

Partnership

Management Team

Zammi Rohan, Director, Nth Qld Office

Tom Curtis, Director, Melbourne Office

Kate Symons, Director, Hobart Office

Certificate & Quality Approvals

Registered Architects

Awards

All directors have received multiple awards for their work whilst part of a team in previous practices. The awards include the prestigious Global Award for Sustainable Architecture.

Company Background

Established in 2009, 9point9 brings together three innovative individuals with varied and complementary architectural backgrounds.

9point9 has a variety of bespoke residential and commercial projects underway.

Our philosophy seeks to find fresh solutions, respond intelligently to climate and context and be compassionate, respectful of inhabitants and the community.

International Projects

9point9 is assisting with the design of emergency housing to the Global Village Housing project, Cambodia.

Australian Projects

Residential projects including new build, alterations and additions across a range of climate zones.

Design review to 'Innovation House' a future-paced Townsville Display Home currently at design development stage.

Invited tenderer for Australian Institute of Sport – 4 megawatt carport mounted tracking solar photo-voltaic array.

9point9's North Queensland studio has recently commenced their involvement in a significant Townsville community project. At a macro scale, 9point9 will assist with the precinct master-planning of a complex landscape intersected by various land tenures and stakeholders including three levels of government. This includes site master-planning for an operational council depot and adjacent community natural resource management facility within a sensitive coastal wetland environment. A main focus for 9point9 will be the development of a concept design for an iconic ecologically integrated community natural resource management hub & facility.

9point9
Architects



Abelia Cleaning

ST

ABN 71 416 960 145
Contact Tony Carter
Phone +61 (0)7 4044 2999
+61 (0)408 700 259
Email info@abeliacleaning.com.au
Web www.abeliacleaning.com.au
Address PO Box 439
Westcourt, Cairns QLD 4870
28 Muir Street
Bungalow, Cairns QLD 4870

Abelia Cleaning offers eco-friendly cleaning including mould removal and improvement of internal and external environments. The company is an award winning long standing Cairns business .

Fields Of Commerce

Service
Retail
Consulting

Target Industries

Government organisations
Mining
Commercial and industrial facilities
Housing

Specialist Areas Of Tropical Expertise

Eco friendly cleaning
Mould removal

Company Profile

Abelia Cleaning is able to provide a wide range of commercial cleaning services to suit ALL requirements and budgets. We can assist with a "one off" clean or a tailor made service that is provided on a regular scheduled basis.

Abelia Cleaning is ecoCLEAN certified and in 2011 won the Queensland State wide "ecoClean" award sponsored by Australian Super. The award is for excellence in environmental best practice.

Abelia service mine sites, industrial accidents, builders' cleans, shopping centres, education institutions, hospitals, airports, schools, sporting venues, commercial premises and residential homes.

Abelia Cleaning is dedicated to providing the finest quality service using well maintained equipment and highly trained staff.

We have full work cover, public and products liability insurance and a quality control program which is our guarantee of workmanship to you, our customer.

Our cleaning services are not just limited to the local Cairns area. We can travel to wherever you need us to be, this includes remote and island locations.

The following is a list of some of the services Abelia Cleaning currently provide for our customers:

Window Cleaning | Working at Heights & Elevated Platform Work | Pressure Cleaning | Builders Cleans – New Construction & Renovations | Vacate Cleans – Residential and Real Estate | Insurance Work including Fire Damage Cleans | Residential Cleaning Services | Graffiti Removal | Office & Shop Cleaning | Carpet Cleaning | Upholstery & Leather Cleaning | Curtain & Blind Cleaning – Internal & External | Strip & Seal Floor Surfaces | Tile & Grout Cleaning | Pre-sale Residential Cleans

Abelia Cleaning is able to help you with ALL your commercial cleaning requirements.

Technologies & Capabilities

Abelia Cleaning is ecoCLEAN certified, an industry focused environmental certification initiative supported by the BSCAA in conjunction with the EPA and Ecobiz.

The training, skills and knowledge gained by achieving this certification allows us to provide our services in a manner that ensures a safe and healthy workplace for our employees and clients whilst minimising our environmental footprint.



Year Established

2002

Management Team

Tony Carter, Manager
Sue Homer, Director
Reg Homer, WH&S and research

Target Export Markets

Pacific Rim countries

Type Of Export Business Sought

Licencing

Certificate & Quality Approvals

EcoClean accreditation
Building Service Contractors Association of Australia Inc.

Awards

In 2011 Abelia won the Queensland State wide "ecoClean" award sponsored by Australian Super. The award is for excellence in environmental best practice.

Technologies & Capabilities Cont.

Abelia Cleaning is committed to conservation of the environment through selection of non-synthetic biodegradable cleaning products wherever possible made from natural substances.

This selection of non-toxic cleaners is vital for protection of employee and customer health. Cleaning products are measured to ensure appropriate strengths and stock control is monitored to ensure products do not exceed shelf life to minimise waste. Run off as applicable is controlled with the use of barrier filtration devices.

Waste disposal is not into waterways or stormwater, but either returned to depot for controlled disposal or natural dispersal as appropriate.

Other control measures include correct hot water temperatures to conserve energy and maximise cleaning efficiency. Water conservation is endorsed and encouraged in our cleaning operations and alternative methods eg air blowing or sweeping is used in preference to hosing paved areas.

Company Background

Abelia Cleaning is a 100% locally owned and operated family cleaning company that has been servicing the cleaning requirements of Cairns residents, businesses and corporations for over fifteen years.

The business was purchased by its current owners in November 2004 and has seen tremendous growth and refinement of its services since the acquisition. Abelia Cleaning is proud to employ up to 50 local staff including apprentices.

Abelia Cleaning is a member of BSCAA (Building Service Contractors Association of Australia) and the Chamber of Commerce and Industry Queensland. We attend all Business Sustainability workshops held by the Queensland Department of Environment & Resource Management and strive to continually improve our training, skills and knowledge.

Australian Projects

Abelia is contracted to provide hundreds of cleaning services of which two are:

Defence Housing Australia
Cairns Regional Council



Acier Homes & MiSMART Home

Everett Constructions Pty Ltd



ABN 79 095 434 763
Contact Steven Everett
Phone +61 (0)438 774 577
Email steven@acierhomes.com.au
Web www.acierhomes.com.au
Address 15 Saba Street
Burdell, Townsville QLD 4818

Everett Constructions trading as Acier Homes and is a builder of energy efficient, sustainable homes focused on innovative building materials and methods to provide a cost effective solutions to housing requirements.

MiSMART Homes by Acier Homes are an affordable new concept home design for first home buyers and low to moderate income earners. With a younger market in mind and funky aesthetics these steel framed, energy efficient homes are distinctly different new homes.

Fields Of Commerce

Building
Building design

Target Industries

Housing
Mining (site accommodation)

Specialist Areas Of Tropical Expertise

Energy efficient house design
Energy efficient home construction
Prefabricated, modular building construction
Sustainable construction methods
Sustainable materials selection

Company Profile

Everett Constructions is a family owned and operated North Queensland building and property development company.

We are committed to changing the culture of building in North Queensland to a more sustainable energy efficient solution.

All design work is done in house.

We aim to utilise sustainable practises in every aspect of our business.

We are also committed to finding ways to build and construct permanent and temporary housing in a manner that reduces the impacts of weather on construction. Benefits include reduced labour hours and material wastage during the construction process.

Technologies & Capabilities

- Energy efficient, sustainable and tropical climate appropriate housing design
- Builder of permanent and temporary accommodation buildings
- Builder of tropical, energy efficient homes
- Manufactured / modular housing construction
- Sustainable construction practices
- Waste minimisation practices



Year Established

2008

Management Team

Steven Everett, Managing Director
Glen Everett, Director
Kerrin Everett, Secretary
Krystal Camilleri, Marketing

Certificate & Quality Approvals

Licensed Builder, BSA # 1168245

Company Background

Director, Glen Everett moved from Darwin to Brisbane in 2002 to pursue his career in architectural and structural drafting for the firm Qantec McWilliams. Glen brought with him the knowledge he gained from designing houses to suit the tropical climate and extreme weather patterns of the Northern Territory.

Managing Director, Steve Everett's background is in the automotive industry. Steve brings to the company his business development and sales knowledge.

Australian Projects

Everett Constructions are the developers of 'Hinchinbrook Habitats' (www.hinchinbrookhabitats.com.au) a 110 lot residential subdivision with attached tourism aspect. The development is located 10 minutes north of Ingham, North Queensland and is bordered by the Seymour river and the rainforest.

Hinchinbrook Habitats is self-sufficient with regard to water and sewage. This is achieved by utilising water collected from the rainforest which is treated and reticulated to the homes. Sewage from the site is treated on-site to a standard suitable for sub-surface irrigation.



Advanced Wind Technologies



ABN 25 283 439 673
Contact Geoff Thomas
Phone +61 (0)7 4096 6864
Email wind@iig.com.au
Web www.iig.com.au/wind
Address 135 Waugh Rd
Malanda QLD 4885
PO Box 200
Malanda QLD 4885

Advance Wind Technologies design and supply wind powered energy systems, solar systems and support equipment. Geoff Thomas has consulted, provided information, designed, distributed and installed renewable energy systems for all of his tenders in an expert manner. His expertise allows him to directly service his installations and train others to do the same.

Fields Of Commerce

Design, Sale, Installation

Target Industries

Housing, commercial wind farms, public buildings, commercial and industrial buildings.

Specialist Areas Of Tropical Expertise

Careful selection of technology that is tried and tested for advanced performance in tropical climates including maintenance.

Company Profile

Advanced Wind Technologies are accredited renewable energy specialists and Australasian distributors for large wind turbine powered systems. Advanced Wind Technologies now offer you a variety of wind turbines for use according to your system requirements.

There is virtually no brand of solar panel, pump, wind generator, inverter, battery, hydro system that I cannot lay my hands on. My experience is shared, advising on the best for a particular situation. Some are better than others and this knowledge I always apply. The batteries for example, are a meticulously engineered German design and the best I can find in the world. I import my products directly from the factory delivering them for the best prices.

Technologies & Capabilities

The systems we offer include:

Wind Turbines:

We offer a range of wind turbines appropriate for wind farms and operations desiring large amounts of power or wind turbines suitable for remote areas (stand-alone) or in a grid-connect situation. We specialise in the passive pitch wind turbines.

Grid-connect systems - Mains

The Grid-connect system just puts your solar, wind, hydro or other electricity straight into the grid, through a grid-connect inverter.

Stand-alone systems - Batteries

The stand-alone system, is able to be powered by diverse sources, is not connected to the grid, is often where there is no grid, typically contains batteries or equivalent storage and an inverter to transform the battery power.

Dual systems - containing greater or lesser amounts of both

The dual system, - grid connect/stand-alone, does both, it charges up batteries, then when they are full, diverts your incoming solar/wind. It can run your whole house directly (no blackouts for you) or partially, or only when the grid goes down, it can charge up your batteries from the grid or a 240 volt generator (if no sun or no wind).

Sine wave inverters

Although more expensive, offer the ability to run anything that is designed for mains power.

Sun Tracker

Track the sun so your panels always face it. The extra power will earn you up to 50% more on your grid-feed system. It is designed to withstand up to a category 5 cyclone (as long as the panels are parked flat).



Year Established

1997

Management Team

Geoff Thomas, Owner & Operator

Type Of Export Business Sought

Direct export

Certificate & Quality Approvals

Solar Energy Industries Association of Australia

Technologies & Capabilities Cont.

Tubular positive batteries

A version of lead acid battery that has a positive plate and is extremely resistant to sulphation, can cope with being partly discharged and is perfect for solar use. We now import these batteries direct from the factory with considerable savings.

Chip heater of yesteryear

Reputed to heat enough water for a bath from a single copy of the Sydney Morning Herald and burning anything from old boots to twigs.

Pressure Amplifier (PA) series Water Powered Pump

A major advance for water powered pumps it does not require a drive pipe, automatically adjusts to stream flow, will suit almost any site and is more efficient than any before.

Company Background

Geoff Thomas became involved in the solar industry in the mid Eighties as an agent of Rainbow Power, then soon became an independent agent selling a wide range of renewable and non-toxic products, in his Solar Shop in Bellingen (NSW) for eight and a half years. In 1994, he established contact with a number of manufacturers of large wind generators, officially becoming the Australian agent for Lagerway Wind Turbines in 1998. In 1997, Geoff discovered a Swedish company - Pitchwind - also making a ring generator turbine like the innovative large multi-pole ring generator only developed by Enercon and Lagerway. Pitchwind however had developed the technology on a much smaller scale (PW 30-15) and had used permanent magnets in their design. Over the years, Geoff has observed the evolution of Pitchwind technology, forming alliances with the company.

Australian projects

While working for Lagerway, Geoff tendered in co-operation with Henk Pasma, an experienced electrical contractor from Cairns, for the Thursday Island wind generators (2 x 250 kW machines), the King Island Wind Farm (3 x 250 kW machines) and made representation to the Crookwell Wind Farm in NSW and an 80 kW machine at Denham. He also tendered for the Portland Wind Farm (27 x 750 kW machines), (Cape Bridgewater), which was Australia's first proposed commercial wind farm, by forming a consortium with a factory group in Latrobe and Lagerway.



Affordable Home Solutions



ABN 30 244 046 712
Contact Warren Nelms
Phone +61 (0)7 4096 5482
Email affordablehomesolutions@hotmail.com
Address Shop 4, 36 James St
Malanda QLD 4885

Affordable Home Solutions design and construct a range of:

- Kit homes
- Transportable buildings
- Cabins
- Granny flats
- Shipping container cabins

Fields Of Commerce

Consulting
Manufacturing & Distribution
Research

Target Industries

Mining
Affordable housing
Social housing

Specialist Areas Of Tropical Expertise

Tropical design and living quality.
Transportable modular design suitable for remote areas.
Cyclone shelters.

Year Established

2008

Management Team

Warren Nelms, Director
Rohan Hillman, Director



Company Profile

The directors have combined experience of over 50 years in the construction industry and are part of a network throughout Queensland.

Technologies & Capabilities

Affordable Home Solutions are improving the sustainability of our structures through new product innovation from local, Australian and overseas sources.

Company Background

Commenced in 2008. Specialised in steel frame kit homes.
Diversified into cabins and container conversions.
Supplier of flat pack kitchens, bathroom ware, furniture and appliances

International Projects

Currently quoting a job in Papua New Guinea for 5000 structures.

Australian Projects

Mining camps and houses for both commercial and individual projects.

Current Export Markets

Papua New Guinea

Target Export Markets

Pacific Rim

Type Of Export Business Sought

Direct export
Joint venture
Partnership

AllSafe Energy Efficient Products



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AllSafe is a premium OneStopShop for all your energy efficient needs:

- Insulation • Ventilation • Skylights
- Solar power • Solar hot water • Wind power

Our goal is to provide you with the right advice and product to suit your needs that will help reduce your power bill and your impact on the environment.

Fields Of Commerce

Retail
Trade
Wholesale
Product enablement

Target Industries

Mining
Agriculture
Housing
Small to medium size business
Public infrastructure development projects

Specialist Areas Of Tropical Expertise

Insulation
Ventilation
Solar Power

Company Profile

AllSafe are your local energy efficiency experts.

We are a solutions driven business who can supply and commission products at most levels.

We operate from ten locations throughout Queensland including Townsville, Cairns, Mackay, Toowoomba, Bundaberg, the Sunshine Coast and the Gold Coast.

Technologies & Capabilities

- Solar hot water
- Solar power
- Insulation
- Ventilation
- Skylights
- LED lighting
- Wind power
- Energy assessment



Year Established

2001

Management Team

Ponie De Wet, Managing Director/Owner
Sean Cochrane, Director/Co-Owner

Type Of Export Business Sought

Direct Export
Partnership

Certificate & Quality Approvals

QBSA Code Compliant
HIA Green Smart
Trade Alliance member: Queensland Master
Builders Association

Awards

Queensland Small Business Awards Cham-
pion 2008

Company Background

AllSafe opened it's doors in 2001 focussing on insulation and ventilation products and services. The business has developed to a fully fledged one stop energy efficiency product store with the ability to develop, quote, supply and install product.

International Projects

We are currently in the process of taking our business concept to the United States where my business partner opened our first store in North Palm, Florida. The venture is supported by the United Franchise Group and our aim is to launch the sale of our first USA franchises this year. The venture is branded under the banner "Super Green Solutions" in the United States.

Australian Projects

Numerous home owner retrofits.
Multiple builder and developer projects.



Andrew Patteson Quality Built Homes



ABN 83 933 788 572
Contact Andrew Patteson
Phone +61 (0)412 771 799
Email andrew@andrewpatteson.com
Web www.andrewpatteson.com
Address PO Box 124
Townsville QLD 4817

Andrew Patteson Quality Built Homes are a boutique residential house builder specialising in multi-level timber framed homes, two storey masonry homes and building on sloping sites.

Andrew Patteson buildings use practices which emphasise long term affordability, quality and efficiency over the whole life cycle of the building.

Fields Of Commerce

Construction

Target Industries

Residential housing designs with an emphasis on environmental and sustainable building practices.

Specialist Areas Of Tropical Expertise

Light weight construction
Building orientation
Liveability
Cost effective energy use
Sustainable building materials
Natural ventilation

Company Profile

Andrew Patteson has been helping North Queenslanders realise the dream of designing and constructing their perfect homes for over 28 years.

With an emphasis on energy efficient and sustainable buildings, the designs created and workmanship produced by our team of highly qualified, long-serving staff are second to none.

Links with local architectural and drafting firms with similar energy efficiency ethics combined with our limited annual project guarantee allow us to construct multi-award winning homes.

This approach also allows Andrew Patteson to offer a very high level of individual and personal attention to each client.

Technologies & Capabilities

A building's energy use is locked in by the way it is designed and built.

By considering the impacts of the materials used and the available environmental advantages, an intelligent building designer will create a design that is not only enjoyable and cost effective to live in but is environmentally sustainable. This is exactly what we at Andrew Patteson do and do well.

Andrew Patteson buildings use practices which emphasise long term affordability, quality and efficiency.

We make every effort to use eco friendly, sustainable materials wherever possible and minimise transport and waste on our sites.

By doing this, we create energy efficient designs that will save you money and help protect the environment by minimizing the use of water, raw materials, energy, and land over the whole life cycle of the building.



Year Established

1991

Management Team

Andrew Patteson, Partner

Yvonny Patteson, Partner

Certificate & Quality Approvals

BSA Qualified Builder Lic 25278

Member Housing Industry Association

Member Queensland Master Builder Association

Accredited HIA Green Smart Builder

Awards

2007 and 2011 Master Builders Trevor Musty

Perpetual Award for Quality Workmanship

Master Builders 2004 State Award Winner for

Excellence in Design for Queensland Climate

2001 Master Builders Award for Excellence in

Energy Aware Homes

2001 HIA Award winner for Most Energy Ef-

ficient Housing

Queensland Architecture Awards 2001 –

Harry Marks Award for Sustainable Architec-

ture – Highly Commended

Company Background

Andrew Patteson has been involved in Townsville's building industry for 28 years. Andrew Patteson is a carpenter by trade and formed Andrew Patteson Quality Built Homes in 1991 with his wife Yvonny.

Andrew and Yvonny have run the business together for over 20 years and have enjoyed meeting each of their many clients, many of whom have come back to have their second or third homes constructed by Andrew and his team.

Andrew Patteson Quality Built Homes has gained a reputation for tackling the harder sites and construction styles and has won numerous awards for clever Queensland design.

Andrew and Yvonny enjoy working with like minded clients with the goal of producing homes truly suited to the North Queensland lifestyle and climate.

Andrew Patteson Quality Built Homes have produced numerous qualified carpenters through their willingness to employ apprentices.

Australian Projects

Leading examples include:

Housing Industry Association North Queensland Green Smart Display Centre - 2004, Townsville (Fairfield Waters), North Queensland

The Patteson House - a exemplar, North Queensland energy efficient pavilion style home - 2001, Townsville (Fairfield Waters), North Queensland, in collaboration with Troppo Architects



Andy's Sheetmetal



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Address 33 Supply Road
Bentley Park, Cairns QLD 4869

Andy's Sheetmetal produces the R.V. Roof Ventilator and supplies it around Australia. The business is committed to ensuring it has the best products in the market. With over 26 years experience Andy's Sheetmetal can produce up to 150 of The R.V. Roof Ventilator systems a week (goal is 300 per week). The private family run business is underpinned by a commitment to lifestyle and family values.

Fields Of Commerce

Manufacturing
Consulting
Supply and distribution

Target Industries

Housing
Agriculture
Public Infrastructure
Mining

Specialist Areas Of Tropical Expertise

RV Roof Ventilator
Rain Water Tanks

Company Profile

Andy's Sheetmetal is a privately operated family business. The business started with the design, certification and patenting of a roof ventilator that is an essential device for removing hot air in roof spaces. The cyclone rated roof vents that were designed to blend with the roof profile found a ready local market. Within a few years the product was widely installed across Far North Queensland. The custom design process soon led to manufacture and installation for industrial sheds and commercial buildings. Today, the manufacture is mechanised and the staff of 7 can produce up to 150 RV Roof Ventilators per week (goal is 300 per week) and the distribution is Australia wide.

Technologies & Capabilities

Would you like a natural, sustainable and cost-effective way to cool down?

Andy's Sheetmetal has the answer: **The R.V. Roof Ventilator**

Did you know that in Cairns and Far North Queensland, trapped heat inside your ceiling space can cause the air temperature to rise up to 80 degrees? If not ventilated correctly, this heat will permeate through your ceiling into your living / working areas, creating an uncomfortable environment for you, your family and employees.

Effective ventilation is essential. So why choose The R.V. Roof Ventilator?:

- It is the strongest and most versatile roof vent on the market
- It has no moving parts, so there are no squeaks
- It's maintenance free and has no electrical requirements (saving you money)
- It has a Structural Engineer Certificate with a wind rating of up to 215km/h
- It's locally designed and manufactured for tropical climates
- Best of all, The R.V. Roof Ventilator is custom made to suit all roof types.

Other special features of this innovative new system include:

- Special rain deflectors to ensure effective waterproofing
- Vermin-proof wire
- Blending with your roof, enhancing the appeal of your home, adding value and style
- Keeping your home cooler in summer
- Skylights and In line fans are also available.



Year Established

2003

Management Team

Andrew Langtree, Owner/ Manager
Kylie Langtree, Administration

Current Export Markets

China but individual purchases
New Zealand

Target Export Markets

China
Africa

Type Of Export Business Sought

Direct export

Certificate & Quality Approvals

Structural Design Certifications

Technology or Patent Ownership

Patent ownership for three editions of RV
Roof Ventilator
Patent ownership of Water Tanks design

Company Background

Andy's Sheetmetal was established in 2003. It is owned and operated by Andrew Langtree and his family and it is underpinned by a commitment to lifestyle and family values.

The business started with the main family members and the product was invented, developed, certified and patented. As product orders grew, the business expanded including investments into mechanised processes.

Andrew now has over 26 years experience in sheet metal product manufacture. Andrew invented the RV Roof Ventilator for local cyclonic conditions in association with a Far North Queensland based Structural Engineer. The ventilator was installed at a number of locations that were subject to the main wind forces of major recent cyclone events and they performed successfully meeting expectation.

Australian Projects

- Numerous houses
- Ambulance building in Babinda, Far North Queensland
- Townsville Industrial shed : 90 metre length with 600 mm throat
- Malanda Milk Factory
- NSW Government multi-storey commercial offices
- Darwin : Council workshop/ industrial shed with 300 mm throat
- Large housing projects: 325 homes in Yarrabah, Far North Queensland
- A large number of remote housing in the Cape York area



Anton Demolitions Pty Ltd



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Anton Demolitions Pty Ltd specialise in the demolition of domestic, commercial and multi-storey buildings and structures. Services include friable and non-friable asbestos removal, burnt buildings, stripouts and renovations, earthmoving and excavations, site clearing, levelling and tree removal. Anton Demolitions operates one of North Queensland's largest recycling yards, offering an extensive and unparalleled range of second hand and recycled building materials, furniture and curiosities.

Fields Of Commerce

Service delivery
Retail sales
Asbestos consulting

Target Industries

Commercial
Industrial
Houses
Public infrastructure
Local government and facilities
Cyclone preparedness and recovery

Company Profile

Anton Demolitions specialise in the demolition and recycling of all domestic, industrial & commercial buildings and structures including burnt buildings and multi-storey buildings.

Services include friable and non-friable asbestos product removal, building strip-outs, renovations, site preparation, site clearing and levelling, tree removal, earthmoving, excavations and cyclone preparedness, cleanups and recovery.

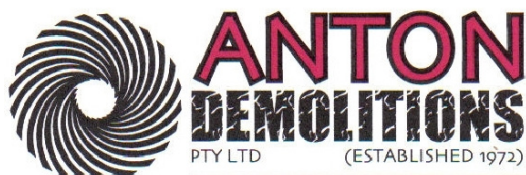
The clear point of difference between Anton Demolitions and others is the effort taken to maximise the potential for the 100% recovery and recycling of all demolished building materials from every single project, whereas competitors merely pay lip service to such a notion. They generally only recycle those items that have conveniently and miraculously not been destroyed by heavy machinery and dispose of high volumes into landfill.

Anton Demolitions and their clients and customers understand that extra care and time is required to achieve good recycling outcomes & this may marginally increase the short term costs. The overall positive benefits to the resourceful end consumer, the community and the environment in general, far outweigh any short term cost imposts.

Anton Demolitions recycling yard offers North Queensland's most extensive range of quality demolished building materials and pre-loved second hand knick-knacks and curiosities. The recycling yard offers a unique opportunity for DIY home handymen, builders, engineers, architects and discerning home owners of period buildings to source and match all of those hard to find/rare select species timbers and associated historical building materials which can no longer be purchased across the counter from mainstream timber mills and hardware suppliers.

The recycling yard also provides the ever-growing DIY market (on very tight budgets) an opportunity to readily source discounted building materials.

The extensive range of stock can cover everything from metal roof sheeting, structural steel, structural timbers, fencing, commercial signs and fit-outs, concrete blocks, pavers, plumbing accessories, pipes and fittings, glass, louvres, doors and windows to name a few.



Year Established

1972

Specialist Areas Of Tropical Expertise

- Demolition recycling & asbestos removal
- Recycling yard: North Queensland's most extensive range of recycled second hand building materials
- Cyclone preparedness and recovery

Management Team

Martin Anton, Managing Director, Owner & Operator

Certificate & Quality Approvals

Qld. Gov. Div of Workplace Health and Safety
Business Certificate No. 2247046
Certificate to perform (Asbestos) prescribed activity No.2298521
WHSO Certificate
South Western Sydney Institute "Asbestos Removal Certificate"

Technologies & Capabilities

- Friable and non-friable asbestos removal processes, including asbestos disturbed by cyclone damage.
- Experience in workplace health and safety processes for projects of all sizes.
- Effectively carrying out operations in extreme rainfall periods that produce high humidity, mould and water soaked buildings that often involves cyclone preparedness and recovery work.
- Experienced workplace health and safety processes and capabilities in the demolition of burnt buildings – (including the delicate extraction of all friable asbestos and non-friable asbestos ACM)
- Experience in carefully and systematically de-constructing heritage buildings, using skilled labour to maximise diversion from landfill and re-use of building materials. This work includes the in-house care, storage and maintenance of some building material types until it is re-sold.

Company Background

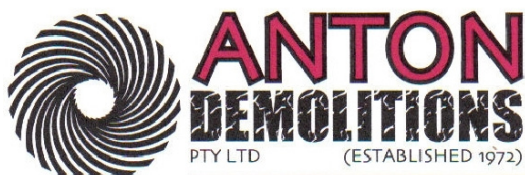
Anton Demolitions is a privately owned and family operated business. It was established 40 years ago in 1972 and is now operated by second generation family members. All services offered are personal and are closely linked and interconnected to the local communities of Far North Queensland through support of community welfare organisations and events.

Anton Demolitions has been a pioneering leader of demolition recycling practices in North Queensland for the past 40 years. We remain at the forefront of industry efforts to convince and advocate to all levels of community and government, the need to actively participate in the recycling of all materials derived from the demolition of our buildings and structures. By gradually changing community and government attitudes and values on issues of active demolition recycling practices in our region, we are ensuring that our history, heritage and our environment is better preserved and protected into the future.

Australian Projects

To name a few:

- Cairns Yacht Club
- The historic AMP Building
- The historic Burns Philip Building
- The historic Raptis Building
- Recovery from Cyclone Larry & Cyclone Yasi
- Bethlehem Home for the Aged
- Radisson Hotel at The Pier
- Woolshed at Smithfield
- Smithfield Shopping Centre and Tavern
- Sugarworld
- Babinda Town Hall
- Kuranda State School
- & hundreds of private homes



Apricus Australia Pty Ltd



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Hemmant, Brisbane QLD 4174

Apricus is Australia's leading evacuated tube solar hot water supplier. At Apricus, we pride ourselves on providing:

- The highest quality solar hot water systems
- Leading industry warranties
- Exceptional after sales service
- All at competitive pricing

Evacuated tube solar collectors are fast becoming the preferred option for residential, business and commercial hot water in Australia, due to their high efficiency, light weight and low maintenance construction.

Specialist Areas of Tropical Expertise

Hot water systems
New cyclone rated framework

Target Industries

Residential
Business
Commercial
Industrial
Mining
Agriculture

Company Profile

Apricus Australia – Our Values

Apricus Australia was built from the ground up with a strong emphasis on the following core values:

- Building strong relationships with customers
- Providing the highest quality product
- Providing the best possible support
- Having the “good bloke” factor; Going above and beyond for our customers.

Apricus Australia solar hot water, has experienced exponential growth since it's inception in 2005, but the core values and the “Apricus Way” have, and will always remain the same.

Infrastructure

Beginning as a small operation at a household in Sydney NSW, Apricus grew and have built an efficient distribution network with key stock and warehouse locations across the country. Apricus Solar distribution network now consists of 1500+ Suppliers, and over 150 warranty/service agents

The network has been built to ensure even through periods of growth and increase in demand, customers always receive the same high level of service that Apricus Australia is committed to.

Technologies & Capabilities

Manufacturing Facility

Apricus own and manage its own production plant; it is NOT an OEM product. The plant is based in Nanjing, China where Apricus Solar Co. Founder, CEO, and fellow Australian, Michael Humphreys is based.

Standards

Apricus is regularly audited by European, Australian and local authorities to ensure adherence with product standards, labour laws, safety regulations and environmental requirements. We have obtained Australian Standards (AS2712:2002), SRCC (USA) and Solarkeymark (EU) certifications. Our factory is also certified to ISO9001:2008 management and production standards.

Quality Control

All Apricus products are produced with a strong emphasis on quality, simplistic design and ease of installation. With a number of patent pending designs, Apricus invests strongly in the continual R&D of new products.

We also pride ourselves on running a tight ship, and that means good labour conditions for the employees. Apricus factory workers obtain all the entitlements outlined by the local labour laws and more, and are paid well above the average wage.



Year Established

2005

Management Team

C. Taylor, Director
G. Caldarola, Engineering & Commercial
B. Graetz, Marketing
R. Slevin, National Sales
K. Fotheringham, Administration

Certificate & Quality Approvals

AS/NZS2712
SRCC
Solar Keymark
AS/NZS3498 Watermark
New Framework rated to AS/NZS 1170.2.2011:
Structural design actions part 2: wind actions
Certified to ISO9001:2008 management and
production standards.

Technology Or Patent Ownership

Apricus Global

Awards

BRW Ranked #7 Fast 100 of 2010
Smart Company #5 – Smart 50 of 2010
BRW 2009 #31 – Fast Starters
2009 HIA-CSR Hunter Housing Awards Innovation Award Winner
Smart Company #4 Smart 50 of 2009

Company Background

The Apricus Solar Company was founded in 2003 by fellow Australian Michael Humphreys, Apricus Australia was launched in 2005 under the direction of Chris Taylor, and since its inception, Apricus has grown into a global company with offices in the USA, Australia and France, supplying to more than 30 countries.

During the initial growth period, Apricus Australia has been recognised numerous times for its growth and innovation, this includes being finalists for numerous Telstra Business awards, Named in Smart company's Smart 50, BRW Fast 100 and winning the HIA-CSR Hunter Housing Industry Innovation Award in 2009.

Today, Apricus Australia are cemented in the solar industry with a solid distribution, sales and service network represented both nationally and locally, Australia wide.

International Projects

Apricus is a leading designer and manufacturer of solar heating products for a range of applications, including small-scale residential and business solar hot water systems, large-scale solar thermal heating plants and everything in between

Apricus now have offices in the USA, Australia and France with sales in more than 30 countries.

Some Apricus installations around the globe can be seen here:

- Adventist Aged Care Retirement Villages across Australia.
- Locust Trace Agri-Science centre, Kentucky USA.
- Novotel and Sofitel Luxury Hotels, Sydney Australia.
- 'Green House by Joost', Sydney Australia.
- IKEA Restaurant and building facilities, Charlotte NC USA.

Australian Projects

Over 30,000 hot water installations across Australia

Residential, Industrial, Commercial

- Pool heating
- Dairy farms
- Chemical treatment plants
- Pre-heating systems
- Hospitals
- Apartment buildings
- Wineries and many more



AquaSmart



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AquaSmart established in 2004, is a small independent company based in Cairns (Trinity Beach). AquaSmart brings to National & State Governments, local councils, corporate, companies, schools and private customers cost-effective, stylish and practical solutions that can assist in saving water, energy, CO2 and money.

Fields Of Commerce

Consulting
Distribution

Target Industries

Housing, government buildings and public infrastructure, commercial and industrial facility management.

Specialist Areas Of Tropical Expertise

Water saving

Company Profile

AquaSmart is an Australian company based in Trinity Beach, Cairns Queensland, Australia which is headed by Hanspeter Brenn.

Hanspeter identified in 2004, the many benefits of the Swiss manufactured range of Aqua Clic products and committed to bring this important water wise technology down under.

Since doing so, Hanspeter has made an impact by promoting water conservation and Aqua Clic right across Australia and close by countries, and you will now find many custom designed Aqua Clic water saving tap nozzles and Clic Douche Shower Heads, throughout major schools, universities, motels, hotels, councils, public amenities and environmentally aware homes and organisations.

Technologies & Capabilities

Aqua Clic® is a Swiss-design flow controller replacing the old aerator and fitted simply to the thread at the end of your tap/s. A plumber is not required. Aqua Clic has the capacity to reduce the average 26 L/min to a constant 5 L/min (or less), regulating the flow with a full and pleasant stream of water that never splashes regardless of the water pressure in your house.

This saves up to 72 % of your money, water, energy and greenhouse gas emissions.

Aqua Clic® offers a range of over 163 designs, and quantity purchasers (100 plus) have the opportunity to custom design their own Aqua Clic® (conditions apply) with a logo and personalised message to be used as a thoughtful corporate gift, unique promotional product, or community resource for raising awareness about saving water.

Customised Aqua Clics are fully tax deductible as part of marketing and advertising costs in your business expenses.

Aqua Clic makes a perfect gift for your valued clients, suppliers and employees. Wouldn't it be nice to give something back to your customers, adding value to their purchase with a long term reminder of the products and service they received from you and your company? Aqua Clic® is also available in a special anti-theft version for public places e.g. schools, shopping centres, public toilets, council buildings.

Aqua Clic Climate Showers using only 6 L/min, compared to the conventional shower using 26 L/min plus. This means you can have a 43 minute shower by yourself, or 4 people can have a 10 min+ shower each, with the same amount of water a conventional shower would use. This can save up to 72 % on water costs, power by heating less water, carbon emissions and ultimately money!



Year Established

2004

Management Team

Hanspeter Brenn, Owner

Current Export Markets

Thailand

Target Export Markets

Malaysia
Singapore
Thailand
Philippines

Type Of Export Business Sought

Direct export
Partnership

Certificate & Quality Approvals

WELS Rating - 5 + 6 Stars
Europa wide certificates

Awards

Many in Europe

Company Background

Established 2004. Worked together with governments, councils, schools (Reef Guardian Scheme) and universities.



Architects North



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Townsville QLD 4810

Architects North is a highly awarded, design oriented architectural practice based in Townsville.

Architects North has a well developed understanding of, and considerable experience designing innovative, sustainable, tropical climate appropriate residential and commercial dwellings.

The practice has a reputation for delivering functional, exciting and economical buildings.

Fields Of Commerce

Architecture, building consultancy, urban planning, project development, research on low carbon buildings in tropical environments

Target Industries

- Transportable mining accommodation
- Medium density housing in tropical environments
- Mixed use residential developments in low density urban areas

Specialist Areas Of Tropical Expertise

- Medium density residential projects
- Terrace housing in tropics
- Sustainable pre-fabricated housing

Management Team

David Stefanovic, Director
Debra Jefferey, Secretary

Company Profile

Architects North is a Townsville based architectural firm with projects throughout Queensland, New South Wales and South-East Asia.

The practice is one of the few design orientated practices in the region and has developed a wide expertise and understanding of the regional climate and unique constraints of the tropics.

We have a reputation for providing exciting outcomes which delight their users, functional solutions and economical buildings.

Architects North have received numerous design and construction awards for our buildings.

Technologies & Capabilities

In addition to and complementary to a diversity of commercial and residential architectural design commissions, Architects North have been actively involved with other local stakeholders in the development of pilot projects and guidelines promoting sustainable built outcomes in the tropics. Examples include:

The "Sustainable Housing for the Tropics Residential Design Guidelines" series which was prepared by Architects North in collaboration with Townsville City Council. The detailed guidelines introduce important design principles and a variety of design solutions to create naturally cool and comfortable homes and reduce dependence on air-conditioning. Distributed extensively throughout the North Queensland community, the guidelines are appropriate for adapting both new and existing homes to work better in Townsville's dry tropical climate.

Architects North had a lead role as Chair of the Tropical Design Focus Group in the Thuringowa Sustainable Village Project. The project was an extensive industry consultation project that created breakthrough housing and urban development design guidelines for a 1.1 ha sustainable village off Riverway Drive in Kelso (Townsville). Imperative to the guidelines was that the solutions optimise social, environmental and economic outcomes suited for the people and climate of the North Queensland region.

Architects North for client James Cook University, has developed "EcoGen", a design prototype for a modular prefabricated steel residential dwelling that utilises the building roof as an active sun tracking device providing a self sufficient energy supply. The building embraces sustainable design principles for the tropics such as shading, cross ventilation & cooling by convection. It also has the major advantages of fast and cost-efficient construction, durability arising from the use of innovative composite materials and structural concepts, reduced labour requirements and superior quality control due to factory production. The "EcoGen" prototype has potential for further development and broad application in the remote parts of Australia, disaster relief architecture as well as the fast developing region of South East Asia.

architectsnorth

Year Established

2003

Current Export Markets

Malaysia

Target Export Markets

China, Asia Pacific

Type Of Export Business Sought

Direct export, Joint venture, Partnership

Certificate & Quality Approvals

Bachelor of Architecture, five years full time course, Croatia 1986 • Diploma for Conservation, one-year full-time postgraduate course, Belgium, 1991-1992 • Registered/Chartered Architect AIA (Australian Institute of Architects), Reg. No. 46075 • Member - Board of Architects of New South Wales Reg. No. 6527 • Member - Board of Architects of Queensland Reg. No. 3645 • Member of Townsville Enterprise • Member of Centre for Excellence for Tropical Design, Troplinks • Green Building Council - Accredited Professional • Tutoring Building Design and Presentation at Great Barrier Reef TAFE, Townsville

Awards

RAIA Commendation for Interior Design, Aquarius Unit 1201, 2010 • RAIA Commendation for Southpark Terraces, 2008 • RAIA Commendation for Yarrowonga Terraces, 2007 • RAIA Building of the Year Award for Edge of Echlin, 2006 • RAIA Commendation for Edge of Echlin, 2006 • RAIA People Choice Award for Edge of Echlin, 2006 • RAIA Commendation for Riverside Tavern, 2005 • Premier Award for Hudson Residential Development, Sydney, 2001 • Urban Design Institute Award for Urban Renewal for Hudson, 2001 • South Sydney Development Corporation Innovation Ideas Award for Hudson, 2001 • Design & Innovation Award for Hudson Residential Development, Sydney, 2000 • RAIA Merit Award for Ultimo Community Centre, Sydney, 1997 • RAIA Merit Award or AGSM Building University of NSW, Sydney, 1997 • 3rd prize - Competition Design for Gazi-Husrefbeg's Library, 1991 • Grand Prix Award - National Exhibition of Architecture, Zagreb, Croatia 1991 • 1st prize - Competition Design for Market and Business Centre, Jajce, Bosnia, 1987

Company Background

Architects North is a private company owned by David Stefanovic, the practice principal. In addition to each project being under the direct control of the practice principal, David is responsible for the day to day coordination of all major projects and consultants' performance. We have established working relationships with a number of national architectural offices such as Lahz Nimmo Architects, Wilson Architects, Bligh Voller Nield, Allen Jack + Cottier and Phorm Architecture. David Stefanovic is a registered architect with 20 years experience. He has worked in Frankfurt, London and Brussels prior to moving to Australia in 1993. On moving to Australia, David worked in Sydney for 10 years.

Arriving in Townsville in 2003, David established Architects North and embarked on a diverse range of exciting projects including the design and management of the Riverview Tavern (awarded a RAIA Regional Commendation in 2005), Edge on Echlin Apartments, Storm Financial HQ Building expansion, Yarrowonga Terraces apartments and a number of residential projects.

International Projects

'Binjai on the Park', Kuala Lumpur, Malaysia 45 storey luxury twin tower development located opposite of the renowned Petronas Towers in the heart of KL City Centre. Project value \$180 M.

Menara Perak, Jalan Perak, KL, Malaysia - a commercial tower with 20,000 m2 of commercial area on the narrow site in proximity to KL City Centre. The design provides 1200 m2 clear floor plates with sweeping views along the curved street frontage. A continuous building skin developed with photovoltaic panel inserts enables the façade to generate random lighting pattern at night. Project value \$60 M.

UTIM, Teaching Hospital and Medical Faculty, Kuala Lumpur, \$1.2 Billion facility includes hospital with 300 beds and the adjacent university medical campus. The teaching facilities were orientated around a central courtyard with classrooms set over water. In charge of design and liaison with the client.

Australian Projects

Specialist Teaching and Student Services Precinct, James Cook University, Townsville, Architects North and Wilson Architects have been engaged as joint principal consultants for a new \$18 Million precinct at JCU in Townsville. The building is to become a designated first stop along the main access road and provide a shaded physical link with the existing student mall and the central library. The project is to introduce the new generation of technology driven collaborative teaching spaces to the university campus.

Tyto Technology and Learning Centre, Ingham, Client: Hinchinbrook Shire Council, Architects North and Lahznimmo Architects recently completed the Regional Gallery, Library and a Commercial Centre that form the new civic centre for the Ingham community. As Principal Consultants, Architects North were responsible for the master plan, design, documentation and coordination of a substantial consultant team. The project was delivered in a tight timeframe, on time and budget. Project value \$5 M.

'Edge on Echlin', Townsville, 2006, "This elegant adaptive reuse of a declining warehouse has resulted in a very serendipitous outcome for an adventurous and insightful young developer. The architect's skill in economically manipulating the existing structure has resulted in great value apartments that have an element of surprise and deliver a quality lifestyle to the occupants. This is design on the edge for Townsville!" Paul Fairweather, Award Director, RAIA Jury 2006.

architects north

Architectus



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Architectus is a leading design firm providing services in architecture, interior architecture, urban design and planning. We have strong expertise in creating climate-appropriate architecture and places in North and Far North Queensland.

Fields Of Commerce

Architecture
Urban design
Master planning
Interior architecture

Target Industries

Housing including affordable housing and mining accommodation
Community facilities
Recreation facilities
Public space and city design
Education and research facilities
Public, cultural and government buildings
Transport infrastructure - architecture and urban design

Specialist Areas Of Tropical Expertise

Sustainable architectural design
Climatically responsive architectural design
Climatically appropriate urban design
Use of locally sourced materials

Company Profile

Architectus has specialist expertise in education, public buildings, urban design, commercial, industrial, residential, transport and highly sustainable design.

We carefully analyse sites and opportunities to ensure that excellent design responds to reality and maximizes the benefits to all. Through a deep understanding of client and community needs and of climate, topography, landscape and urban settings we develop designs which are both community and "place" specific. These skills have been developed over a range of project types, which span large scale master planning and urban design, site planning and all aspects of architectural design and delivery.

Our past projects evidence attractive, integrated, invigorated, casual and formal places that are environmentally, socially and financially sustainable. We have a particular ability in delivering architecture and urban design which responds to both wet tropical and dry tropical circumstances.

Our urban design for tropical climates emphasizes shade, air movement, the avoidance of heat islands and minimizing energy consumption relating to active cooling of buildings. Tropical climates, whilst often characterized as extreme, have 6-9 months of the year that are very benign and suited to an architecture and urban design with highly integrated indoor and outdoor spaces. The design response therefore tends to emphasise an architecture that is flexible and adaptable to both the more extreme conditions of the 'wet' and the extended benign months of the year.

Technologies & Capabilities

The design culture at Architectus reflects the importance of a broad range of user inputs and our in-house systems incorporate cost planning control and timely delivery.

The managerial skills inherent in our project team leaders is based on the experience of many like projects and an understanding of the importance of communication between the client, other stakeholders, contractors and the design team.

Our start point is always to seek out the simplest solutions and derive an architecture of high performance, efficiency and an architecture that is sustainable and enduring.

We have particular expertise in climate-responsive urban and architectural design, and experience in applying this in North and Far North Queensland. The need for deep shade on all frontages of the building, the importance of orientation, of facilitating air movement and integrating indoor and outdoor, and dealing with storm and cyclone events are all key aspects of designing in the tropics which our work embraces.

architectus™

Year Established

2003

Management Team

Mark Jones, Director
Caroline Stalker, Director
John Grealy, Director
Elizabeth Watson Brown, Design Director
Allan Rielly, Senior Associate
Peter Dawson, Senior Associate
Stephen Long, Associate

Target Export Markets

PNG, Philippines, China, Vanuatu

Type Of Export Business Sought

Direct export, Joint venture

Certificate & Quality Approvals

AS/NZS ISO 9001:2008 Quality Management System
Queensland Government Registration of Prequalification (PQC) Level 4
A+ Australian Institute of Architects Members
All Directors and Associates are Queensland registered architects
Mark Jones, John Grealy and Stephen Long registered Papua New Guinea architects

Awards

Multiple award winning architectural practice recognised by associations such as Australian Institute of Architects, Planning Institute of Australia & Master Builders.

Queensland Emergency Operations Centre (QEOC) -2011 Australian Institute of Architects State Award - public building category

James Cook University Discovery Rise Urban Plan -2011 Australian Institute of Architects Regional Commendation

Cairns City Centre Masterplan - 2011 Planning Institute of Australia Merit Award

Gallery of Modern Art (GOMA) - 2007 Australian Institute of Architects National Award – public building category

Company Background

Architectus brings together over 200 design and planning professionals providing comprehensive design and management services in architecture, urban design, planning and interior architecture.

We have offices in Auckland, Brisbane, Melbourne, Shanghai and Sydney. Our Queensland office hosts four Directors and 40 staff.

International Projects

Architectus have a long history of work in the Pacific Islands & New Zealand (through our Auckland office) and in China.

Recent examples of our international projects in the tropical regions of the world, include research centre projects in the Philippines, concept designs for government buildings in Vanuatu, social and community infrastructure projects on Kiribati and other Pacific islands.

In addition, Architectus is actively involved with international relief organisations such as Emergency Architects, and have contributed to disaster responses on Samoa, the 'Australia House' design competition responding to effects of the Japanese Tsunami of 2011, and also had an entry short listed in the Emergency Shelter Australia design competition.

Australian Projects

Architectus has a long history of design for tropical and sub-tropical environments within Australia.

We are currently working with James Cook University on Discovery Rise in Townsville to prepare master plans for a climate-responsive sustainable 'Knowledge Community' for 5000 people integrated with the existing campus. A key theme of the design is creating a 'Dry Tropical Urbanism' for Townsville.

We are also designing the flagship building of the new town centre of Discovery Rise – a building with deep shade screens as a key architectural expression.

We have recently completed a master plan for the City Centre of Cairns which emphasizes the city centre as a great Tropical Living Room, with rich shade plantings and cool gathering spaces.

Architectus partners with local practices in Cairns and Townsville including Total Project Group and Arup.

architectus™

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Arup is an independent firm of designers, planners, engineers, consultants and technical specialists offering a broad range of professional services. Through our work, we make a positive difference in the world.

Fields Of Commerce

Consulting, Buildings, Infrastructure

Target Industries

Energy, Resources, Industry
 Property
 Social Infrastructure
 Transport

Specialist Areas Of Tropical Expertise

Environmentally Sustainable Design
 Structural Engineering
 Civil Engineering
 Mechanical Engineering
 Electrical Engineering
 Hydraulic Engineering

Company Profile

Arup is the creative force at the heart of many of the world's most prominent projects in the built environment.

Our experienced staff combine technical excellence and an understanding of local clients and markets with genuine enthusiasm for design and innovation. We encourage our people to strive for quality, have a willingness to think creatively and to find better solutions for our clients. Clients also benefit from our ability to draw on our global multidisciplinary expertise. Locally, we are proud of the breadth of experience and range of skills we can offer to our clients.

In Far North Queensland, we are committed to finding sustainable solutions to the challenges posed by the tropics – extreme weather, the impact of tourism, and the ability of the built environment to coexist with the natural environment. In our Cairns office, our team of 30 provide engineering, design, planning, project management and consulting services across all aspects of the built environment. We are expanding our presence in North Queensland, having recently established an office in Townsville where we are already contributing to a number of key projects in the region.

We are acutely aware of the responsibility we have in designing and positively influencing the built environment and strive to do the best possible work for current and future generations. Together with our clients and collaborators, we shape a better world.

Technologies & Capabilities

Arup provides a comprehensive range of professional services for every stage of a project – from inception to completion and beyond.

We undertake projects of all types and sizes from feasibility reports and specialist operational performance studies to detailed design and large scale capital works programs. Our core role as engineers to the building and infrastructure sectors is enhanced and complemented by a broad spectrum of consulting services.

This extensive technical skills network is coordinated in a holistic approach to solve challenges and deliver outstanding results for our clients and their businesses.

Skills overview:

3D and 4D CAD modelling • Building Information Modelling (BIM) • Civil Infrastructure • Coastal and maritime engineering • Environmentally Sustainable Design (ESD) • Environmental services • Lifecycle costing • Management Consulting & Operation

Performance Impact:

Planning, pedestrian traffic, transport, modelling • Program and project management • Research and development • Risk and security consulting • Structural engineering • Sustainability planning

Year Established

1946

Management Team

Robert Donnan, Senior Associate, North QLD
Office and Buildings Leader

Karen Houlihan, Office Manager

Robert Jones, Infrastructure Leader

Mark Aitken, Program and Project Management
Leader

Shaun Hartley, Structural Leader

Current Export Markets

Worldwide

Target Export Markets

Worldwide

Type Of Export Business Sought

Direct export

Certificate & Quality Approvals

Arup Pty Ltd has been approved by Lloyd's Register Quality Assurance to the following Quality, Environmental and Occupational Health & Safety Management System Standards: ISO 9001:2008, ISO 14001:2004

AS 4801:2001 and OHSAS 18001:2007

The Quality, Environmental and Occupational Health & Safety Management System is applicable to: The provision of integrated consultancy services in engineering and related disciplines, focused on sustainability and the built environment.

Awards

Arup: Winner of Best Engineering Firm (greater than \$200m) category, BRW Client Choice Awards 2012

Arup: Attribute Awards Most Innovative, BRW Client Choice Awards 2011

Arup: Winner, Best Professional Services Firm BRW Client Choice Awards 2009

Robert Donnan, Award for Professional Engineer of the Year, 2010 Engineers Australia Cairns Local Group Awards

Premier's ClimateSmart Awards 2011 Winner: ClimateSmart Built Environment Award for William McCormack Place Stage 2, Cairns.

Technologies & Capabilities Cont.

Performance impact:

• Town planning and urban design • Water engineering • Acoustic engineering • Fire engineering • Existing Buildings Upgrade • Alternative Energy • Energy ratings (green star / NABERS) • Mechanical engineering • Electrical engineering • Hydraulic engineering.

Company Background

From 92 offices in 37 countries our 10,000 planners, designers, engineers and consultants deliver innovative projects across the world with creativity and passion.

Founded in 1946, Arup established a presence in Australasia in 1963, when entrusted with the structural design of the Sydney Opera House. Arup has since been active in the region for nearly 50 years, opening an office in Sydney in 1963. We now employ over 1,700 staff working from eight offices across Australia, Singapore and New Zealand and have developed a diverse practice through delivering a wide range of projects for public and private sector clients.

International Projects

We aspire to be recognised as a world-class creative design consultancy, recognised for our delivery as well as 'total' design. Our vision of what constitutes design evolves with, and augments, the rapidly changing needs and issues of people across the world.

We deliver precedent-setting solutions for today; making all our tomorrows more possible and exciting. Creativity, innovation and technical excellence, are, in our view inherent to the design process.

Iconic international projects include:

- The National Aquatics Centre (Beijing Watercube), Beijing
- Beijing National Stadium (Birds Nest), Beijing
- Marina Bay Sands Integrated Resort, Singapore
- Kings Cross Station, London, UK
- Emirates Terminal 3, Dubai Airport, UAE
- Commerzbank, Germany
- Maari Wellhead Platform, New Zealand

Australian Projects

- Sydney Opera House, Sydney NSW
- AAMI Stadium, Melbourne VIC
- Kulripa Bridge, Brisbane QLD
- SE Queensland Infrastructure Plan, Brisbane QLD

North Queensland Projects

- William McCormack Place, Cairns
- Cairns Base Hospital Redevelopment inclusive of the Emergency Department and MRI Upgrade
- Cairns Yacht Club
- Cairns Convention Centre
- Centre of Contemporary Arts
- Pier Marketplace Upgrade, Cairns
- Townsville Trade Training Centre
- Mamu Rainforest Canopy Walkway, Innisfail
- Cairns Entertainment Precinct

ARUP

Beachcomber Building Solutions

Redgate Building Solutions Pty Ltd



ABN 35 144 589 426
Contact George Thirkell
Phone +61 (0)7 4032 5335
Email admin@bcbs.com.au
Web www.bcbs.com.au
Address PO Box 952
Edge Hill, Cairns QLD 4870

Beachcomber Building Solutions provides a multi-disciplinary design and construction documentation and project management service. We specialise in low to medium rise buildings and find our success comes from our ability to fully develop projects in-house. We develop buildings that are ideal for the tropics and place a strong emphasis on passive ventilation and climate resistance.

Fields Of Commerce

Consulting services
Design and documentation services
Reporting services

Specialist Areas Of Tropical Expertise

- Cyclone damage repair and restoration.
- Designs exceeding cyclone ratings.
- Light weight steel & timber and passively ventilated custom designs.
- Specification of 'green' finishes and products based on experience and performance in hot and humid climates.
- Renovations, repairs and additions to heritage buildings in the tropics with an accent on locally sourced recycled building materials.
- Civil and structural engineering design that limits the disturbance of natural terrain and protects site runoff and water quality.

Company Profile

Beachcomber Building Solutions applies multiple disciplines to client's building projects. George Thirkell is a licensed building designer and professional civil and structural engineer. Emma Thirkell is a qualified property development consultant. Projects are kept in-house throughout the design process ensuring our service is accountable and responsible.

Concept & design development including commercial kitchen design, construction drawings, civil and structural engineering, drafting, development & building approvals and general development consultancy services deliver complete solutions and contribute to the project's overall success.

Beachcomber Building Solutions offers a boutique design service. We carry a limited number of projects that require a full design and project administration service. Our speciality is low to medium rise commercial, industrial and public buildings for health, arts, education, recreation, retail, tourism, restaurants, hotels, motels and business. We are experienced in renovation work, in particular heritage buildings. Custom designed houses focusing on light weight building systems is a speciality along with building on difficult land.

We have had extensive experience in Cyclone repair work and we also operate Thirkell Consulting Engineers. Our structures and specifications exceed minimum standards. We design in 'safe rooms' for cyclonic conditions and consider alternative technology and future proofing features. We place a strong emphasis on design that is passively ventilated, climate resistant and ideal for the tropics.

Technologies & Capabilities

Capabilities include:
Design concepts and design development
Construction drawings
Specification documentation
Drafting
Inspection and reports
Contract negotiation and documentation
Structural and civil engineering
Dimensional surveys
Scope of works documents
Certification: RPEQ, Form 15 & 16
Building inspections: pre-purchase and construction administration
Development and building applications and approval administration
Energy efficiency performance reports
Workplace health and safety design reports
Feasibility and Desk studies



Beachcomber Building Solutions

Building design & drafting, structural & civil engineering

Year Established

2004

Target Industries

Low to medium rise housing, building renovations, cyclone damage repairs, mining related and remote housing, public infrastructure, sheds and industrial buildings, low to medium rise offices, hotels, motels and resorts.

Management Team

George Thirkell, Director, Principal Design Consultant

Emma Thirkell, Director, Consultant and Administration

Target Export Markets

Papua New Guinea & Indonesia

Singapore & Malaysia

Fiji & Solomon Islands

Vietnam and Southern China

Southern India

Mauritius

Tropical South America

Type Of Export Business Sought

Direct Export, Joint Venture, Partnership

Certificate & Quality Approvals

- QBSA Design Licence 1211127 (medium rise)
- RPEQ Registered Professional Engineer QLD 7279
- MIEAust Engineers Australia
- BEDI Endorsed Sustainable Building Designer
- HIA Greensmart Professional
- MRICS Royal Institution Chartered Surveyors 1114355
- Bachelor of Engineering (Civil and Structural) University of Queensland
- Bachelor of Business (Property) University of Queensland

Awards

- Finalist Australian HIA Greensmart award 2011

Technologies & Capabilities Cont.

Beachcomber Building Solutions have also developed www.Green-build.com.au an online green building directory to assist with the specification of tropically suitable and locally available green building materials and services. www.Recyclebuild.com.au has also been developed to find and specify recycled building materials. This site enables our clients and the public sell left over used building materials and this website now operates Australia wide.

Company Background

George and Emma Thirkell have developed professional careers in the property and construction industry for over 20 years mostly based in tropical North Queensland. George has engineered some of Cairns' major buildings including the Convention Centre and Skyrail. They also spent 6 years based in London on projects spanning across the UK. Their respective professional development in the UK was underpinned by the expansion of UK and European Union law on built environment. During this time George worked on the Swiss-Re (Gherkin) iconic Norman Foster designed office building in the City of London delivering cutting edge 'green' building features. In 2002, Emma was one of the first in the property valuation industry accredited to carry out energy efficiency assessments reported along with bank lending valuations.

Upon returning home to Cairns, there was opportunity to develop projects and the market for sustainable buildings. It was identified that some important building regulation was counterproductive to sustainability, some new green building technology uptake was lagging behind and tropical expertise was not well recognised. Green-build.com.au was developed along with the founding by George and Emma of the Tropical Green Building Network to further support the work being done by Beachcomber Building Solutions and industry colleagues in the area of built environment sustainability.

Australian Projects

Commercial buildings, New:

Wujal Wujal Arts and Cultural Centre, Wujal Wujal nr Cooktown: Client Wujal Wujal Aboriginal Shire Council

Commercial buildings including renovations and additions:

Historic White Horse Hotel building, Innisfail

Highlander Hotel, Julatten

Goondi Hill Hotel, Innisfail

Kewarra Beach Resort and Double Island Accommodation

Dunk and Bedarra Island Resorts

Fitzroy Island Resort

New homes:

Teece Residence: Earlville, Cairns

Perrott Residence: Edmonton nr Cairns

Woods Residence: Kewarra Beach, Cairns

Marano Residence: Miallo nr Mossman

Rolt & Critchell Residence: Whitfield, Cairns

Hansbeaur Residence: Mission Beach

Large renovations, houses:

Williams Residence: Edge Hill, Cairns

Davies Flats: Parrmatta Park, Cairns

Dawson Residence: Whitfield, Cairns



Beachcomber Building Solutions

Building design & drafting, structural & civil engineering

Belinda J Allwood Architect



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Web www.spatialacuity.com
Address 21-23 Jarda Street
Smithfield, Cairns QLD 4878

Architect registered in Queensland. Green Star Accredited Professional. Member AIA. Member Emergency Architects Australia. Over 20 years experience in innovative tropical design, master planning, documentation and project management in all construction sectors.

Fields Of Commerce

Consulting & Project management

Target Industries

Residential, Commercial, Education - primary, secondary & tertiary, Health facilities, Arts, Hospitality, Aviation facilities, Veterinary and Equine facilities

Specialist Areas Of Tropical Expertise

Tropical Sustainable Architecture

Year Established

1990

Management Team

Belinda Allwood Architect

Company Profile

Born and educated in Queensland, I have over 20 years hands on experience designing buildings for tropical regions. I have worked extensively in recent years with other tropical architecture firms on award winning designs, in addition to working on projects for private clients since 1990. I have more recently worked in cyclone recovery after Cyclone Larry and Yasi, specialising in damage assessment and cost & design planning for recovery.

International Projects

USA and China

Australian Projects

Numerous projects in all construction sectors since 1990. More recently focussing on education, health, hospitality and arts facilities

Type Of Export Business Sought

Direct export
Joint venture

Certificate & Quality Approvals

Registered Architect Queensland #4367
Member Australian Institute of Architects
Member Emergency Architects Australia
Green Star Accredited Professional

Awards

HIA Energy Efficiency Award 2000
Top Home in Cairns region and Far North Queensland Region 1992



BlueScope Water Australia Pty Ltd



ABN 83 009 387 660
Contact Nick Skutenko
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Email nick.skutenko@bluescopesteel.com
Web www.bluescopewater.com
Address 27- 29 Redden Street
Cairns QLD 4870

Manufacturer of water storage tanks ranging from 1,000 litres to 15 million litres for the residential, rural, light industrial and commercial markets both in Australia and overseas.

Fields Of Commerce

Retail & wholesale
Distribution
Manufacturing
Consulting
Research and development

Target Industries

Mining
Agriculture
Housing
Public infrastructure

Specialist Areas Of Tropical Expertise

Supply & install in tropical environments
Ability to access remote locations
Complies with all cyclone rating codes

Company Profile

BlueScope Water is the leading supplier of steel rainwater tanks in Australia, with retail and service locations throughout North Queensland. Rainwater tanks are a critical component of regional and rural water management, keeping more water in dam storages and helping to better manage stormwater.

Rainwater is generally considered to be safe and ideal for washing clothes, flushing toilets and washing cars. It consumes much less energy and generates less greenhouse gases than recycled or desalinated water, as it simply falls into the tank, it does not usually require treatment and small pumps are used only when the water is required. By capturing rainwater that falls on a roof, as a guide it is possible to harvest 2,200 litres for every inch (25mm) of rainfall that falls on a 93 sqm roof area.

Developers and builders are continuing to face the challenge of providing sustainable and cost effective solutions. Rainwater harvesting can present significant benefits for land developers, providing a reduction in stormwater runoff from impervious surfaces. The reduced stormwater runoff can result in benefits such as:

- Reduced stormwater pipe quantities leading to reduced infrastructure costs
- Increased lot yield via a reduced need for constructed wetlands or ponds
- Reduced maintenance of stormwater infrastructure
- Reduced erosion through a reduction of in-stream flow in peak rainfall periods
- Reduced flooding risks

The installation of rainwater harvesting systems can also provide a significant reduction in mains water usage and increased awareness, resulting in a positive contribution toward alleviating the growing water problems in many areas. A complete solution involves co-ordinating and facilitating with developers, builders, designers, local authorities and contractors prior to, during and after the installation. BlueScope Water is able to assist in managing the entire process. BlueScope Water are the experts, reflected through our continuing partnerships with some of Australia's most prominent building companies.



Year Established

2004

Management Team

Daniel Wyatt, Australian General Manager
Nick Skutenko, QLD Sales Manager
Aaron Smith, QLD Account Manager

Current Export Markets

North America
South America
South Africa
Fiji
Middle East

Target Export Markets

Papua New Guinea
Indonesia
SE Asia

Type Of Export Business Sought

Direct export
Joint venture
Partnership

Certificate & Quality Approvals

- AS / NZS 4020 storage of potable water for human consumption
- AS 1170.4 (Earthquake loads)
- AS/NZS 1170.2 Wind Actions Region B, Terrain Category 2
- AS 4100 Steel Structures
- AS 2419.1 Fire Hydrant Installation (Tanks)

Technology or Patent Ownership

Aquaplate Steel
Colorbond Steel

Awards

Zero Harm for Safety
Various Environmental awards over several years

Technologies & Capabilities

AQUAPLATE® steel tanks, with the iconic corrugated profile, are stylish, durable and will not burn. With more than 20 years of proven operation in Australian conditions, they are a trusted performer.

The strong Australian sunlight will not soften or degrade them and as light cannot penetrate their exterior shell, water quality is optimised with reduced algae growth. WATERPOINT® tanks are made from food-grade approved polymer coated AQUAPLATE® steel complying with tough Australian Standards. Tanks made from AQUAPLATE® steel are environmentally responsible, as steel is one of the most recycled materials on Earth and can be recycled even after many years of use.

The THINKTANK® rainwater harvesting system offers the complete solution. It comprises of a rainwater tank, a pump, first flush diversion, filtration, mains water back up and wall mounted utility cabinet to conceal these accessories. This system will ensure a continuous supply of water, even during periods of low rainfall and loss of power supply.

Pioneer Water Tanks® are from 6 m3 up to 2,660 m3. All the tanks have the necessary structural engineering to suit rural/domestic and commercial uses and depending on the clients' needs our Galaxy® water tanks can be designed to suit earthquake zones, cyclonic regions, heavy industrial or highly specialised environments.

Our expert team can assist in providing you with advice on the right solution for you, manage the process from start to finish, and deliver a functional system to meet your unique requirements.

Company Background

BlueScope Steel is the leading steel company in Australia and New Zealand. The company's products play a big part in people's everyday lives, being vital components in suburban houses, landmark buildings and structures and popular makes of cars. The brands of BlueScope Steel are market leaders in Australia and include COLORBOND® steel for roofing, walling and fencing, ZINCALUME® steel for a range of building products, TRUECORE® steel for steel house frames and AQUAPLATE® steel for rainwater tanks.

Australian Projects

All Australian projects are too many to list and include thousands of houses. Below are some large projects that have been carried out in Northern Australia by Pioneer Water Tanks®:

- Robe River Iron and Associates, WA, 720 kl Cyclone rated heavy duty tank.
- Cannington Mine, BlueScope, Nth QLD, 1.0 ML x 2 Storage/processing tanks.
- Queensland Nickel Mine, QLD, 363 kl Chemical treated tank.
- BHP Billiton, Ore Body 23, WA, 1.0 ML Water storage tank.
- Rio Tinto/Pilbara Iron, Paraburdoo, WA, 1.14 ML x 2 Process water storage tank.
- Apache Energy, Varanus Island, WA, 3.1 ML Fire Tank LNG Plant



BMD Group

T/AS BMD Consulting & Urbex



ABN 24 102 865 823

Contact David Argent

Phone +61 (0)7 4750 7000

Email townsville@bmd.com.au

Web www.bmd.com.au
www.urbex.com.au

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North Ward, Townsville QLD 4810

2/110 Aumuller Street
Cairns QLD 4870

The BMD Group is one of Australia's largest privately owned construction and urban development organisations. Operating with an integrated and flexible business model, the BMD Group provides specialist services across civil & landscape construction, consulting engineering and urban development sectors for both private and public clients.

Fields Of Commerce

Civil construction, Civil consulting, Project management, Urban design, Landscape construction, Urban Development

Target Industries

Mining, Housing, Infrastructure, Development

Specialist Areas Of Tropical Expertise

- Sustainable design and a vertically integrated and multidisciplinary team offering "feasibility to commissioning" solutions. Greater involvement leads to greater control and better outcomes.
- EPC contractor
- Our environmental management performance has been recognised through 11 industry awards for Environmental and Construction Excellence over the last nine years

Company Profile

Established as a family business in Queensland in 1979 by Group Board Chairman and Managing Director Mick Power, AM, the business has strengthened and diversified over the years evolving into an integrated and flexible model focused on three key areas : construction, consulting engineering and urban development.

Wholly Australian owned and operated, BMD has enjoyed strong and consistent growth since inception, with an impressive track record of doubling revenue every four years.

The success of the organisation since its inception in 1979, has been realised through a relationship based approach that is fundamental to BMD's business philosophy.

The company is committed to establishing and investing in long term relationships with clients, staff, communities, suppliers and subcontractors in the absolute belief that this approach creates the greatest value for all participants. The many long term relationships we enjoy with some of the country's largest public and private sector organisations are a testament to the success of our approach.

Technologies & Capabilities

BMD Constructions is a wholly owned subsidiary of BMD and offers construction services to public and private sector organisations undertaking a diverse range of infrastructure projects. Our recent projects include the \$870 M SAFELink Alliance to upgrade the Ipswich Motorway in Brisbane, the \$133 M Tully Alliance to improve flood immunity of the Bruce Highway in one of the wettest regions in Australia, the \$102 M expansion of the Dalrymple Bay Coal Terminal at Mackay and the \$54 M expansion of the Port Botany Container Terminal for Patrick Stevedores in Sydney.

Urbex have become a major force in the national property development market since launching in 2003. A wholly-owned subsidiary of the BMD Group, Urbex creates innovative living environments that set new benchmarks in urban design and community creation. At Urbex, our foresight and vision, backed by the skills of a highly experienced team, has seen us develop landmark projects across Australia. Harnessing leading talent in project structuring, planning, management, delivery and marketing, we deliver excellence in the creation of new communities to meet the lifestyle needs of Australians today and into the future.

BMD Consulting provides advisory, management and engineering design and construction services for infrastructure, residential, commercial and industrial development projects. Established in 1987, we work with public and private sector clients, with a strong focus on delivery.

As part of a unique and integrated design, construction and development group of companies (the BMD Group), BMD Consulting has the market leading capability to provide services as wide or narrowly focussed as our clients desire. We can provide pure consulting engineering services, add in construction services, or deliver a turn-key product.



Year Established

1979

Management Team

Tim McMahon, Group General Manager - Business Development
Matthew Beggs, National General Manager, BMD Consulting
Wayne Rex, National General Manager, Urbex
Craig Covacich, National Sales and Marketing Manager, Urbex
Jason Lindsay, General Manager, JMac

Target Export Markets

Asia Pacific

Type Of Export Business Sought

Direct export, Joint venture, Partnership

Certificate & Quality Approvals

The BMD Group maintain systems for quality, safety and environmental management that are 3rd party certified to Australian, New Zealand and international standards.

Awards

The BMD Group's awards include:

- The Civil Contractors Federation Earth Award for Environmental Excellence for: SAFELink Alliance (Qld), Christies Beach Waste Water Treatment Plant Outfall (SA), Tully Alliance (Qld), Mickleham Road Duplication (Vic), Sun Sun Prawn Aquaculture Remediation (Qld) and Flemington Racecourse Wetlands (Vic)
- Alliancing Association of Australasia 2009 AAA Excellence in Alliancing Award for Excellence in a Project Alliance Winner for Tully Alliance
- Engineers Australia (Qld) 2009 Engineering Excellence Award for Products & Manufacturing Facilities Winner for Dalrymple Bay Coal Terminal 7X Project Bund 4A
- The 2006 Territory Construction Association Building and Construction Excellence Award for Commercial Construction Winner (projects up to \$3 M) for the Darwin International Airport
- 2008 UDIA Award for Excellence - Small Residential Subdivision Award - Aspley Isle, Thuringowa ,North Queensland

Technologies & Capabilities Cont.

JMac specialises in residential and commercial development, rehabilitation and environmental management, recreational and specialty public infrastructure, local and state government liaison and ongoing care and maintenance. Established in 1975, JMac has evolved into one of the industry's leading landscape construction companies. Following a successful four year joint venture, in April 2010 JMac became 100% owned by the BMD Group. During the past 30 years of operation JMac has developed and broadened its capabilities in line with the growth and complexity in the industry. Our expertise now ranges from simple softscapes to community infrastructure and complex landscape construction projects. JMac is committed to the consistent delivery of high quality landscape construction services to its client base across South East Queensland, North Queensland, Victoria and New South Wales.

Australian Projects

BMD Constructions has a unique capability and portfolio of projects. We recognise that urban land development involves an entirely different skill set and approach from that utilised for the delivery of major infrastructure. Our construction teams are organised in a manner which reflects these differences and ensures the greatest possible alignment between the needs of our client and the capabilities and approach of our construction teams and managers.

Urbex is an innovator in residential development, undertaking wholly owned projects and joint ventures in urban developments of varying scale and size. Urbex creates communities that reflect excellence in planning and urban design. Our focus is on achieving best practice in project development, environmentally sensitive design, community integration and development management. To date, we have undertaken more than 30 joint venture developments.

BMD Consulting

The variety of sectors and clients demonstrate our capability to apply our knowledge to a range of projects.

- We are the market leader in delivering vertically integrated master planning, design and construction solutions
- Our boutique positioning means;
 - You get our best people on your project (access to seniors)
 - We deliver projects on a "best for project" basis. We do what we do well and team up with other experts to ensure project success

JMac has the integrated ability and means to provide a complete landscaping service from initial concept right through to final construction.



Bontech & Bonlec

Bontech Pty Ltd & Bonlec Pty Ltd



ABN 55 137 152 884
35 052 529 227

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Phone +61 (0)7 4759 2400

Email sales@bontech.net.au

Web www.bontech.net.au
www.bonlec.com.au

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Garbutt, Townsville QLD 4814

Bontech Pty Ltd and Bonlec Pty Ltd are sister companies based in North Queensland. Bontech Pty Ltd specialises in solar water pumping and alternative technologies and is located in Townsville and Hughenden. Bonlec Pty Ltd is a building management & controls specialist firm with offices in Cairns, Townsville, Mackay and Hughenden. Bonlec also design and manufacture switchboards and provide full time maintenance contracts to a range of commercial clients.

Fields Of Commerce

Manufacturing, Research, Design

Target Industries

Agriculture, Aquaculture, Mining, Public Infrastructure eg prisons & airports

Specialist Areas Of Tropical Expertise

Water pumping - bores, well dams and dewatering
Monitoring systems
Off grid power - solar, battery and generator
Smart lighting
Energy management control systems

Company Profile

Bontech Pty Ltd and Bonlec Pty Ltd are sister companies based in North Queensland.

Australian owned and family operated, the Bonlec and Bontech businesses have grown and evolved over the past 26 years and now collectively employ 35 staff.

Bontech specialises in custom designed solar submersible pumps to access water from bores, well dams etc which are tailored to suit our harsh Australian conditions.

Bontech also provides custom designed and built remote power systems and remote area monitoring.

The Bontech research and development team currently has 4 patents, including Spilla (pump adaptor which allows any surface pump to be used as a deep well pump) and Agmon (a unique range of monitoring equipment).

Bonlec provides a diverse range of electrical maintenance services including air-conditioning, switchboards, smart lighting, PLC control systems and energy management.

Technologies & Capabilities

Trading as Bontech Alternative Technologies for the past 12 years, Bontech have been in the business of supplying and installing unique custom designed solar water pumping systems (both submersible and dam floating) for properties in the North and West regions of Queensland and the Northern Territory.

Bontech also pride themselves in the design and supply of a range of Remote Area Power Supply (RAPS) systems and associated components tailored to suit the needs of our individual customers. With improvements incorporated from our research & development division, the products range from small systems incorporating portable generators that are ideal for outstations and mustering points, to larger sea container housed systems to provide power for the family home. These systems come in kit form, do not require tradesman installation and are re-locatable.

Our research & development division has had great success in progressing applications for remote monitored solar telemetry systems, winning Bontech the North Queensland Newspapers 2004 Rural Inventor of the Year Award at the North Queensland Field Days.

Bontech are currently undergoing field trials with the Spilla pump prototypes.



Year Established

1986

Management Team

Martin Boniface, Sole Director
Stephen Winter, Special Projects Coordinator
Keith Hastie, General Manager, Bonlec Pty Ltd
Colette Ryan, Project & Admin Manager

Target Export Markets

South Africa

Type Of Export Business Sought

Joint venture, Licencing

Certificate & Quality Approvals

Cert IV Electric Photovoltaic Systems
Accredited Design Install, Grid Connect Systems
Accredited Design Install, Stand Alone Power Systems
Building Management System Integrators

Technology or Patent Ownership

- Spilla® pump adaptor allows any surface pump to be a deep well pump
- Agmon® range of monitoring equipment with web access and data linkage
- Small Engine Controller remote start & stop functionality
- Pipe wear monitor, particularly suitable for mining industry

Awards

- 2004 Rural Inventor of the Year for Remote Monitoring
- 2009 Accepted participant in the COMET Grant scheme
- 2011 Finalist in The Big Idea
- 2011 Electrical Contractors Association Smart Wiring Award

Company Background

Established by Martin Boniface in 1985 with an original trading name of Boniface Services, Bonlec was a part-time service orientated electrical business. During this time Martin was employed as the Maintenance Engineer for Country Style Bakeries (now known as Country Bake).

Boniface Services continued to grow as the need for a reliable, competent, 24-hour electrical maintenance company increased in the Townsville region. It wasn't long before Boniface Services had full time maintenance contracts with customers such as Country Style Bakeries, Woolworths stores, Techno Plastics, Tip Top Bakeries and AE Smith.

In 1991, with four employees Boniface Services became Bonlec Pty Ltd. Our Townsville branch has shown steady growth over the past few years and now employs 28 staff.

In 2001, Bonlec expanded again, with the opening of a branch in Mackay. Bonlec Mackay now has 6 full time staff.

In October 2005, the Hughenden branch opened to give Bonlec a base in the heart of the cattle stations where solar pumping was becoming increasingly popular as an alternative for the watering of stock.

In July 2009, the solar division in both Townsville and Hughenden branched away completely from the electrical side and formed their own company called Bontech Pty Ltd, specialising in water pumping and alternative technologies.

At Bontech we pride ourselves on being able to overcome any problem or circumstance that may present itself. With this in mind, Bontech's research and development section has 3 registered patents.

Australian Projects

Bontech developed technological solutions include:
Agmon® Range of Products : Custom designed internet connected remote monitoring systems. Its primary design function is to monitor the level of a water tank using a drop in pressure monitor & send an alert if it drops below a predetermined level. It will also let you know current battery voltage to indicate the solar charging system is functioning correctly. If at any time, the tank level drops below a critical level Agmon will send an email & an SMS message to your phone and to the website. Agmon can also be used to monitor and send any other information needed. With the addition of other sensors eg rain gauge serves as weather station or monitor pump flow rates. Agmon has an online information centre so that all data (current & historical) can be accessed at any time.

SPILLA® pump adaptor: Early prototype testing conducted at James Cook University, in collaboration with Rockfield Technologies, indicated the pump would significantly outperform the venturi (jet pump) up to depths of 40 metres. With Spilla, any pump can be a deep well pump!

Small Engine Controller :The small engine controller was designed to provide a cost effective means to automatically start & stop a small electric start engine principally for pumping, generator or solar pump back up applications.



Brad Owens Design and Drafting



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Brad Owens Design and Drafting is a Townsville based consultancy business offering building design services for residential, commercial and industrial projects throughout North and Western Queensland with practical solutions specialising in sustainable and energy efficient design. We also offer structural engineering drafting on a contract basis and steel detailing services.

Fields Of Commerce

Building designer
Structural design drafting
Steel fabrication detailing service

Target Industries

Housing
Engineering
Industry

Specialist Areas Of Tropical Expertise

Building design for tropical climates
Sustainable building design

Year Established

1997

Management Team

Brad Owens - Director, Designer & Drafter

Company Profile

Brad Owens Design and Drafting is a sole operator working from a home based office.

Services include:

- Building design
- Residential energy assessments
- Steelwork fabrication drafting
- Structural engineering drafting

Brad Owens Design and Drafting is an incorporated company.

Technologies & Capabilities

All work is performed in 2D CAD (Autocad).

Member Building Codes Queensland Peer Review Panel for Sustainable Buildings.

Former trainer in Sustainable Building Design.

Former Director Technical, Legislation and Planning for Building Designers Association of Queensland.

Company Background

Having been born and raised in Townsville, I have a broad general knowledge of the North Queensland region and the climatic issues buildings face.

My early career involved the design and detailing of prefabricated buildings for construction in North and Western Queensland, my employment in a large state-wide engineering firm saw that experience grow to include large municipal, education and industrial buildings. I have been involved in the design and documentation of marine structures, mining structures and process equipment and in recent years have studied and taught sustainable building design to designers in North and Central Queensland.

Australian Projects

95% of projects completed over the last 10 years have been residential housing, the remaining 5% being contract engineering drafting and steelwork detailing.

BRAD OWENS DESIGN & DRAFTING

building design | residential energy assessment
structural drafting | steelwork detailing

Bryant Qld



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Bryant Qld is a local family owned building and construction company specialising in commercial, civil and residential developments. Our services reflect the complete project life cycle from conception through to handover of the asset. We offer specialised solutions taking into account specific job requirements, location, environment and logistics. Sustainable development is an integral part of our approach.

Fields Of Commerce

Building and construction

Target Industries

Housing
Mining

Specialist Areas Of Tropical Expertise

Housing construction
Sustainable housing

Company Profile

The Bryant business has a diverse track record in commercial, civil and residential developments across a range of sectors including government, education, health, community and hospitality. We have an excellent understanding of the intricacies and challenges of working in remote locations. Our project management team develop project execution plans to cater to local conditions, which are then skilfully delivered by our specialist teams. Bryant has considerable expertise in remote area construction, a wide knowledge of different building methods with particular experience in sustainable development, culturally significant buildings, modular construction and prefabricated structures using timber and/or steel as well as conventional construction methods.

Integral to our approach is our focus on sustainable development. We are a leader in the design and construction of energy efficient, eco-friendly structures.

Key services include:

- Site selection and environment analysis
- Design and construct
- Project management
- Contract management
- Procurement and logistics
- Modular and prefabricated structures
- Civil works
- Consulting

Technologies & Capabilities

Design and Construct - we employ an in-house building designer with appropriate IT skills who is committed to tropical green design.



Year Established

1999

Management Team

Max Bryant, CEO
Lorraine Grant, GM, Corporate Services
Damon Bryant, GM, Project Development & Delivery
Chris Bryant, GM, Health, Safety, Environment & Community

Current Export Markets

Papua New Guinea

Target Export Markets

Papua New Guinea

Type Of Export Business Sought

Joint venture

Certificate & Quality Approvals

Verification of OHSMS to Aust Std/NZ 4801-2001.

Awards

Sustainable Housing Awards
Various HIA & QMBA Awards

Company Background

Max Bryant has over 40 years experience in the building industry predominantly in North Queensland. His main areas of expertise are in the design and construction of major developments including prefabricated & modular housing and project management. Max has excellent industry networks and applies his many years of experience to ensure the success of each project executed by the company.

International Projects

Port Moresby, Papua New Guinea - Demolition of existing structures and construction of an 8 storey residential tower "Touaguba Apartments" comprising of 11 apartments & 1 penthouse

Australian Projects

Lockhart River Police Station Project, Lockhart River, Queensland
Groote Eylandt Redevelopment Project, Groote Eylandt, Northern Territory
Djarragun College Sporting Complex, Cairns
Spyglass Beef Research Station Project - near Charters Towers
Tully State High School Refurbishment Project
Various residential projects in Cairns region including Mission Beach



C&R Consulting Pty Ltd



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As an environmental consulting company we provide cost effective scientific services in the environmental arena such as: water, soils, geology, petrography, mining (coal, metalliferous, UCG & CSG), ecology, flora, geomorphology, chemical and mineralogy to name a few to local councils, State & Federal Government, general public and private industry.

Fields Of Commerce

Research
Consulting

Target Industries

Mining
Government
Port authorities
Public infrastructure

Specialist Areas Of Tropical Expertise

Assessment of surface hydrological and ground waters in relation to flood assessments in seasonally tropical areas.
Assessment of the physical and chemical (geotechnical) properties of tropical soils.



Company Profile

- Ability to assess and evaluate all options, including the simple low-technology, low-cost option that is so easily overlooked and may be critically important to local community involvement and acceptance, particularly in third world countries
- C&R has a comprehensive understanding of ecosystems and their interactions which can only be gained through many years of lecturing, researching and working in the environment
- Close consultation with all stakeholders so that beneficial solutions are maximised in local and regional contexts
- Thorough understanding of environmental legislation and guidelines, leads to practical and workable solutions that are ultimately the most cost effective option
- Experience in providing solutions to environmental problems based on many years appreciation of the vagaries of the tropical climate
- Experienced in assessing normal responses of environmental systems to frequently occurring events
- Assessing responses as a result of extreme climatic events (eg cyclones and high intensity rainfall events). These, although of only short duration, may be the dominant factors in determining environmental responses
- Understanding modifications necessary for standards in tropical areas
- An acute awareness of how these factors may vary in global warming contexts
- Familiarity with working in overseas countries where cultures and customs are different to those in Australia
- Appreciation that cultural sensitivity is often a prime prerequisite for successful interaction in these areas

Technologies & Capabilities

C&R Consulting's expertise includes:

- Member UCG/CSG Expert Panels
- Mineralogical services
- Coal seam methane extraction
- Climate history & extreme events assessments
- Environmental management
- Hydro geochemistry and modelling
- Groundwater contamination and movement
- Flora and fauna assessments and management
- Marine and freshwater ecology
- Water quality
- Site remediation in tropical regions
- Bush fire assessment and management
- Petrographic and geological assessment of rock reactivity and strength
- GIS and GRV mapping
- Environmental modelling
- Soil assessment and remediation

Year Established

2003

Management Team

Dr Cecily Rasmussen, Director

Dr Chris Cuff, Director

Ms Jennifer Rasmussen, Business Manager

Mr Geoffrey Kavanagh, Central Queensland
Manager / Water Specialist

Target Export Markets

United Kingdom

Greater Europe

India

Canada

Type Of Export Business Sought

Direct export

Joint venture

Awards

Environmental Excellence & Sustainability
Awards 2008, Commendation

Technologies & Capabilities Cont.

- Clay mineralogy
- Reactive contaminant transport
- Natural and constructed geomorphology
- Terrain analysis and palaeo hydrogeomorphological assessment

Company Background

C&R Consulting Pty Ltd is a Townsville based, owned and managed, environmental consulting company.

C&R Consulting prides themselves on providing innovative solutions from simple to complex environmental issues.

Starting out as a two person business, it has expanded to over 16 staff with offices in Townsville, Perth, Emerald and shortly in London to expressly service the oil and gas industries and to establish a Tropical Extreme Event Centre. This has enabled us to attract extremely experienced and qualified people from around Australia.

International Projects

- Atlas Mines, Philippines: Environmental assessment, geohydrology, hydrogeochemistry, remediation, and rehabilitation of mine waste and acid mine waters using local resources
- Kainantu Gold, Papua New Guinea: Flood risk evaluation, 1 in 100 and 1 in 1000 statistical flood evaluation
- Mara River, Tanzania: Assessment of hydrogeochemistry

Australian Projects

- VALE, Australia: Environmental services, EMP, WMP, residual void study, macro-invertebrate investigation, groundwater investigation and remediation services
- Incitec Pivot, Phosphate Hill: groundwater assessment, petrography, aquatic ecology services and aquifer modelling
- Central Highlands Regional Council : flood investigation, groundwater & surface water modelling and reporting
- Hancock Coal: Railway line investigation, tailings dam study, assist with landholder negotiations, water options advice, strategic mineralogy
- Ensham Resources: Flood plain study, farm irrigation advice and mine water discharge advice
- Mackay Council: Midge Point SEMP
- Golders Associates: Armourstone analysis
- BM Webb Holdings: Acid sulphate soil investigation, sand extraction application & advice, ground and surface water monitoring, lake and drainage design
- URBEX / BMD : Fauna & flora investigations
- DEEDI: Lihou Reef terrestrial and marine study
- GeoCoastal Australia: Derwent River water sediment analysis and modelling
- Jocklis Pty Ltd: Railway Avenue remediation of contaminated soil from old fuel tank



CA Architects



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CA Architects is an award winning quality assured practice that provides a comprehensive range of architectural services, from project inception to completion, encompassing commercial, public and residential design.

We are a dynamic, innovative team with experience encompassing the breadth and depth of construction techniques and building types.

Fields Of Commerce

Architectural services
Consulting

Target Industries

Houses
Commercial & public buildings
Urban design
Public infrastructure

Specialist Areas Of Tropical Expertise

Design of Green Star buildings
Design of energy efficient buildings
Design of buildings in remote locations (off grid)

Company Profile

CA Architects has been practicing in Cairns for nearly 20 years and is recognised in its own right as one of the region's leading design practices. Our designs reflect the knowledge and understanding we have of the environment and lifestyle of the far North. CA's work extends through office, institutional and commercial architecture with a focus on Ecologically Sustainable Development (ESD).

The principal areas where CA Architects will add significant value to the project are:

- Local knowledge & experience with projects in tropical regions
- Understanding of urban planning principles
- Proven track record in providing quality design to government and commercial clients
- A culture of personal service tailored to each commission ensuring a smooth and efficient design and approval process
- Expertise in specific requirements such as accessibility and low maintenance solutions in regional tropical locations

It is of value in our view that we have proven our ESD design and analytical methodology on the 9000 m2 NLA William McCormack Place project in Cairns as well as the McClintock residence, a small one bedroom residence outside Kuranda, and can thus directly translate this tropic region refined ability to the Rainforest Observatory Project.

We continually demonstrate that good design, sustainable buildings and affordability are not mutually exclusive.

Technologies & Capabilities

Our capabilities include:

- Master planning
- Project management
- Concept design
- Documentation
- Contract administration
- ESD/Green Star submissions
- Building audits

The building information modelling "Revit" enables us to produce accurate 3D models of the design as an integral part of our design process throughout the project.

We are registered as a quality assured supplier to Queensland Government agencies and are listed as a prequalified consultant Level 3, (industry best practice) with the Queensland Department of Public Works.



CA ARCHITECTS

Year Established

1993

Management Team

Carlo Amerio, Director
Gisela Jung, Architect
Damien Ingram, Project Leader
Tony Girbau, Senior Technical Adviser
Chris Sachlikidis, Drafts Person
Jeremy Haley, Drafts Person
Christine Gordon, Administration
Wendy Amerio, Administration
Wendy Amerio, Accounts Department
Renee Lee, Casual Architect
Stuart Withrington, Casual Architect

Type Of Export Business Sought

Direct export
Joint venture

Certificate & Quality Approvals

Quality assurance, PQC rating LEVEL 3, certificate no. 5712

Awards

- Conics Building (now RPS), Cairns, 4 Star "Green Star" – Office Design v2, RAIA Regional Commendation 2010
- Marina Point, Cairns, RAIA Eddie Oribin Award Building of the Year 2010
- Tinaroo House, Tinaroo, RAIA Regional Commendation 2010
- William McCormack Place Stage 1, Cairns, 5 Star NABERS Rating, 2003
- William McCormack Place Stage 2, Cairns, 6 Star "Green Star" – Office Design v2, 2011

Technologies & Capabilities Cont.

CA Architects is committed to producing sustainable architecture through the application of Ecologically Sustainable Design (ESD) principles.

In addition to our ESD design approach, CA Architects can provide leadership in Green Star building submissions for all types of buildings and projects using the Green Building Council of Australia's rating tools - fast becoming an important part of the design process in Australia.

Company Background

Founded in 1993, CA Architects is an established Cairns based, quality assured, award winning architectural practice with experience in a wide range of building projects. Many of these projects have been of a unique and special character and it has been the ability to handle them as 'special projects', which sets CA Architects apart from other architectural practices.

Australian Projects

- Cairns Entertainment Precinct
- Central Park Market, Cairns
- James Cook University's Daintree Observatory
- Cityport Foreshore Development, Cairns
- Conics Building (now RPS), Cairns
- Cairns Airport Refurbishment
- Building the Education Revolution (BER) Program
- William McCormack Place - Stages 1 & 2, Cairns
- Marina Point, Cairns
- Blue Lagoon Resort and Sails at Trinity, Cairns
- Reef Fleet Terminal, Cairns
- Esplanade North and Transit Facility, Cairns
- Fisheries, Cairns
- Providing templates for medical centres throughout the remote Far North Queensland region (based on the Wujal Wujal design)



CA ARCHITECTS

Charles Wright Architects Pty Ltd



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CWA is an international company with its lead design team and head office based in Port Douglas, Far North Queensland. We are able to offer "local knowledge and a proven track record" in delivering iconic and innovative buildings on budget. With local award winning experience combined with national and international publication, CWA are widely recognised as one of Far North Queensland's leading architecture firms.

Fields Of Commerce

Consulting
Research & development
Construction administration
Project management
Design engineering
Green building technologies
Sustainability innovation

Target Industries

Housing, Mixed use commercial developments, resorts and hotels

Specialist Areas Of Tropical Expertise

Master planning
Site planning and urban design
Specialist facility planning services
Feasibility study, investment evaluation services
World class architectural design
Tropical sustainability, ESD, green building



charles wright architects pty ltd
Architecture Interiors Urban Design Sustainable Design

Company Profile

Charles Wright leads a contemporary design practice with offices in Port Douglas (Queensland), Melbourne (Victoria) and Shanghai (China). He possesses award winning major project experience. Working at the forefront of environmentally sustainable design (ESD), he is an architect with specialist technological capabilities to develop iconic and sustainable solutions to complex problems. As director of a Far North Queensland based firm utilising cutting edge technical & specialist resources, Charles is able to provide the highest level of service and attention to deliver a world class sustainable outcome in tropical locations. CWA provides a local focus and demonstrated understanding of the extreme climatic and building conditions within tropical regions. With over 13 years of experience, Charles has been invited to undertake a PHD in Architecture at RMIT University on CWA's progressive Tropical Architecture.

CWA is an international company with its lead design team and head office based in Port Douglas, Far North Queensland. We are able to offer "local knowledge and a proven track record" in delivering iconic and innovative buildings on budget. With local award winning experience combined with national and international publication, CWA is recognised as one of Far North Queensland's leading architecture firms.

Technologies & Capabilities

Advise on building procurement:

CWA has extensive experience with the local tropical building industry and we manage building projects in coordination not only with industry but the seasons which can hamper work in tropical regions.

Advanced IT and CAD resources:

CWA has integrated CAD systems including the following:

- A base platform of powerful workstations
- High speed ADSL connection for high volume internet connection
- A totally integrated AutoCAD & REVIT design and documentation including our own in-house procedures and routines
- Specialist 3D Modelling, Rendering, Visualisation and Animation
- Fully integrated multimedia capacity
- A range of other multimedia equipment including scanners, laser printers and commercial plan printers

Additional resources available:

- Functional brief writing
- Specialist facility planning services
- Master planning
- Accommodation schedule benchmarking
- Site planning and urban design
- Existing conditions survey reviews
- Feasibility study/investment evaluation services
- Process mapping
- Architectural design & interior design
- Schematic design to design development

Year Established

2004

Management Team

Charles Wright, Director
Justine Wright, Interior Design Director
Cassia Ciccone, Senior Architect
Rubin Li, Business Development, Sth East Asia

Current Export Markets

China, Singapore, Thailand, United Kingdom

Target Export Markets

Myanmar, Malaysia, Indonesia, India

Type Of Export Business Sought

Direct export, Joint venture, Partnership

Certificate & Quality Approvals

Board of Architects Queensland: B0AQ Registration No. 3654
Quality Management System to ISO 9001, Queensland Government registration No 7145
Queensland Government Pre-Qualified Consultant Level of 3, PQC no. 2303A
Architects Registration Board of Victoria: ARBV Company Registration No. 50853
Victorian Government Pre-Qualified Construction Supplier Register No. 901720
A+ Practice Member – Australian Institute of Architects
National Code of Practice for the Construction Industry and Guidelines (DEEWR) Compliant
Shanghai Representative Office Registration & Certification

Technology or Patent Ownership

Trademark patents in China

Awards

2008 Australian Institute of Architects FNQ Regional Award, Residential Design. (CWA Wright House)
2009 Australian Institute of Architects FNQ Regional Award, Residential Design. (CWA Cassowary)

Technologies & Capabilities Cont.

- Tender/construction documentation/tender evaluation
- Construction stage services
- Defects liability and post occupancy evaluation services

Building Information Modelling (BIM)

The design team have been regional leaders in the use of BIM software since its recent emergence. This software essentially allows the design team to create a three-dimensional model of the building from coordinated, consistent design information. This process enables earlier decision-making, better documentation, and the evaluation of alternatives for sustainable design or improvements using analysis before construction begins. The team use this software to incorporate selected secondary consultant design input into a single integrated and evolving building model.

Company Background

CWA combine previous experience in working on large complex institutional & commercial projects with recent local experience. CWA's relevant experience and proven track record includes:

- Successful collaboration and communication with large and complex user groups
- Major project delivery
- Ability to re-think building types and deliver innovative solutions
- Experience in successful and award winning ESD tropical design
- Demonstrated Experience in tropical regions and with the local construction industry

Prior to incorporating CWA in July 2004, Charles worked on a wide variety of complex project types with various corporate and public sector client bodies at Lyons Architects Melbourne, from 2000 through to 2004 in both lead design and project architect roles.

International Projects

CWA exports services throughout China and South East Asia focussing on green building expertise combined with contemporary world class design. We have been involved in numerous large scale projects ranging from eco-city masterplanning & urban design, large scale sustainable eco-tourism developments, mixed use commercial developments, educational & cultural facilities, residential design & prototyping for innovative green building systems. We have established good working relationships with some of the largest developers & architectural firms in China and Singapore and utilised these networks to service the tropical region.

Australian Projects

A broad range of major project types including complex research and institutional, health and aged care, mixed use commercial and office, cultural and interpretive, educational, luxury and resorts, medium density residential and top end market single residences.

We specialise in tropical sustainability combined with world class contemporary design. Many of our projects have been published nationally and internationally with some award winning.

We currently feature on the cover of AR The Architectural Review Australia, Issue 123 "The Resilient City" with our design for the new Cairns Botanic Gardens Visitors Centre, featured as producing something entirely different "a new standard in tropical architecture". The Wright House in Port Douglas is also published internationally as one of the 150 best 21st Century houses in the world.



charles wright architects pty ltd
Architecture Interiors Urban Design Sustainable Design

Chris Cohen

Energy Management Solutions

ST

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Chris Cohen provides a service that designs and delivers energy management solutions including building automation & integration with services such as security & access.

Fields Of Commerce

Consulting, Planning, Designing, Installation, Commissioning, Maintenance

Specialist Areas Of Tropical Expertise

Energy management in tropical buildings

Target Industries

Commercial buildings, Domestic residence, Public and government buildings, Education facilities

Company Profile

Chris Cohen provides Energy Management Solutions specialising in the automation and integration of building services such as BMS Systems, security and access control. Automation includes daylight harvesting, occupancy sensing, scheduling, Section J6 of the Building Code compliance and load shedding. Other services include energy consumption logging & efficiency analysis.

Technologies & Capabilities

Not limited to but specialising in:

Clipsal C-Bus (Clipsal by Schneider Electric)

C-Bus is a market leading control and management system for commercial and residential markets, perfect for creating lighting scenes and saving energy. It is simple to use and very robust. It's also well liked by the end user which is very important to us. Our customers lose faith in a product when it doesn't do what it is supposed to first time. Clipsal's stringent certification processes are of critical importance to us.

DALI-Control (Clipsal by Schneider Electric)

DALI-Control is a complete digital lighting control system- a must for any green office development. Simple to install and programme, it incorporates monitoring and reporting. DALI stands for Digital Addressable Lighting Interface and Ethernet, the international standard in open lighting control protocol.

Switch Smart Hub (by Switch Automation)

The Switch Smart Hub is a web based interface to your smart home or building. It uses a range of reporting tools to analyse the data for building managers. Reports supplied track building performance, calculate carbon savings through renewable energy generation and details energy and resource consumption.



Year Established

2011

Management Team

Chris Cohen, Owner & Operator

Certificate & Quality Approvals

C-Bus Certified Installer IQL 0108-52

DALI Control Installer 5826

Company Background

Chris has been involved with C-Bus Energy Management in Cairns since 2005 and established the current business in July 2011.

Australian Projects

- Cairns North Community Health Stage 2B, C-Bus control of DALI lighting & Section J6 implementations
- Mareeba Govt Offices, design & compliance as per Government Engineers Specifications for DALI Control - installed by others
- Barrier Reef Institute TAFE, Townsville, involved with design and procedural control with security/access control & BMS/HVAC services to comply with method of operation - C-Bus control integrated with BMS for occupancy sensing and for Section J6 implementation
- Thursday Island Government Building, C-Bus control of DALI lighting
- Cairns Royal Flying Doctors Service, C-Bus control for lighting & Section J6 implementation
- Earlville Library, Cairns, C-Bus lighting and control & Section J6 implementation - tied in with security
- Cairns Hockey artificial turf field, C-Bus control of lighting & watering. Controls usage to avoid power wastage and surge currents on start up/shutdown



Chris Vandyke Designs



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Clifton Beach, Cairns QLD 4879

Chris Vandyke Designs provides a complete architectural design and documentation service including full project management. We undertake site appraisals, help clients formulate a comprehensive brief, provide them with advice on site positioning, orientation with respect to prevailing breezes and sunshine and site specific methods of construction.

Fields Of Commerce

Architectural building designers
Project management
Interior designers
Urban planning consultants
Drafting

Target Industries

Housing
Educational facilities
Resorts

Specialist Areas Of Tropical Expertise

Sustainable design within tropical environments
Harnessing weather patterns for the benefit of design
Understanding sustainable design techniques
Advise on alternative means of energy generation
Constant research into sustainable material choice

Company Profile

Chris Vandyke is the Principal of Chris Vandyke Designs. He is a Fellow of the Building Designers Association of Australia and one of two founding members to achieve such status. He brings to the service of building design a long career in sustainable design, project management and aftercare service.

Sean Reason is the resident Project Manager and with a background in the Australian Military, brings a certain no-nonsense approach to each project that he is involved with. He thrives on challenges and enjoys bringing projects in on time and within budget. He is greatly appreciated by the clients that require the project management service and has a dynamic way of dealing with contractors on site to achieve his goals.

Rob Arthur is the Building Manager. He looks after the residential projects on site. His main aim is to ensure that good communication is maintained between all parties. He smooths out the building process for clients to ensure a successful outcome.

Mark Granger is the senior building designer and with Chris, work with each of the clients viewing sites, formulating the brief, advising on methods of construction, style, interior finishes, colours, fixtures and fittings. He maintains contact with the clients from inception to completion and is always on hand to answer client questions. He is a member of the Royal Institute of British Architects and the Institute of Australian Architects.

Alyce Petersen is the office manager. She handles all client enquiries, contracts, fee schedules and invoicing. With local government experience, Alyce is in charge of all Development Approval Applications, liaising with Council, Body Corporate and the Department of Resource Management when required.

Geoff Lacey is the Drafting Manager and it is his task to ensure that the concept designs are transformed into full working drawings, used for tendering purposes and finally for construction. He is also responsible for energy rating and for Work Health & Safety, both now required as part of the design process.

Cris Beswick is the Structural Draftsman. Cris brings to the practice extensive experience in computer drafting and 3D modelling. His ability extends to the use of many software programs giving the practice superior presentation skills.

chris vandyke designs

Year Established

1982

Management Team

Chris Vandyke, Principal
Sean Reason, Project Manager
Rob Arthur, Building Manager
Mark Granger, Senior Building Designer
Alyce Petersen, Office Manager

Current Export Markets

Fiji
Vanuatu

Type Of Export Business Sought

Direct export
Joint venture

Awards

- BDAA National Design Award 2010, Residential over 250 sqm
- BDAQ State Design Award 2010, Residential over 350 sqm
- BDAQ Regional Award 2009, Public Building and Special Projects
- BDAA National Award 2009, Residential over 450 sqm
- BDAQ Premier Award 2007, Residential

Technologies & Capabilities

Chris Vandyke Designs are fully equipped to provide a comprehensive design and documentation service for small to major architectural projects.

The company runs Autodesk Revit 3D software giving clients a full perspective of their proposed new building.

Printers include a colour plotter machine capable of printing full size drawings from A3 size to A1 size. A1 being the standard sheet size used on most building projects in Australia and abroad.

Resources also include project management software capable of ensuring a smooth running project from inception to completion.

Scanners, fax, full and fast access to the web, printers, networks all aid in the day to day running of our architectural practice.

Company Background

Chris Vandyke has over thirty years experience in designing and documenting architectural projects in the tropics including the Cairns region and North Queensland, the Northern Territory and Western Australia. He has also delivered projects in tropical Fiji & Vanuatu. Having also worked in New South Wales, Chris is easily able to adapt to various climates and ensures the design responds to the local conditions, always with low energy use in mind. Chris had a healthy attitude to sustainability long before it became a buzz word.

As a man who hates air conditioning, his buildings always seek to take advantage of the prevailing breezes by orientating them in the correct position. His buildings seek to hide from the summer sun by providing oversized eaves and to seek the winter sun for warmth by providing large glazed areas facing north. Though site restrictions sometimes apply, it is always the principle to achieve that drives his successful designs.

International Projects

Chris has been involved with numerous projects overseas - mainly resorts in tropical environments such as Fiji and Vanuatu. The laid-back life style of the islands respond well to his high ceilinged, naturally ventilated timber structures.

Australian Projects

In Australia, Chris is responsible for over a thousand projects over a period of more than thirty years. Projects range from the smallest of homes to large luxury villas, resort projects in the world heritage area of Cape Tribulation, educational facilities in Cairns, dentist surgeries in Western Australia, sport centres and farm buildings. All have a common thread of sustainability running through them. All respond well to their environments and provide their respective clients with sustainable buildings.

chris vandyke designs

Cox Rayner Architects



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Townsville QLD 4810

Cox Rayner Architects is one of few truly national built environment design practices in Australia specialising in the areas of tropical design.

Fields Of Commerce

Consulting

Target Industries

The specialisations of Cox Rayner Architects are wide ranging. They include projects for sport, public realms, workplaces, education and research, living and infrastructure. Within these large categories are areas of particular specialisation that include exhibition and convention centres, stadia and sports halls, tertiary and research facilities, galleries and museums, theatres, hotels and residential communities, and mixed use development.

Specialist Areas Of Tropical Expertise

- Tropical and subtropical architecture and interior design
- Tropical and subtropical urban design and master planning
- As informed sustainable design advocates, we seek to increase awareness of environmental issues through education and practice.

Company Profile

Cox Rayner Architects is one of few truly national built environment design practices in Australia. Most of our competitors are franchises working under a name rather than a single national group. This characteristic of our practice may seem unimportant, however it enables our work and research to be freely interactive and interdisciplinary without concerns over 'ownership' of knowledge and expertise. It means that whether nationally or internationally we can apply our highest skills to the particular project in hand; we can share work through our technologies; and we can cohesively critique our designs and review our directions.

Technologies & Capabilities

Cox Rayner Architects provides services in architecture, planning, urban design and interior design by professionals in each discipline. However, unlike many large practices, the disciplines are not separated into 'cells', rather we function through the collaboration of expertise to optimise the potentials from concept to detail of all projects.

Our practice informs its work via working groups dedicated to knowledge essential to design for the future. They include E-COX, our research team for innovation in environmental design that includes for tropical regions, and groups managing our information technologies, project management and design ethos.

Cox Rayner Architects is committed to creating truly sustainable environments for clients, project users and the broader community with particular emphasis on tropical and subtropical communities.

Michael Rayner, Principal Director is a member of the Queensland Design Council, the Queensland Government Board of Urban Places, the Queensland HEAT Architecture Advisory Board, the Brisbane City Council Urban Futures Board, and the University of Queensland Faculty of Engineering, Architecture and Information Technology Strategic Development Council. He is an Adjunct Professor at the University of Queensland, and Chair of the Architecture Advisory Board at Griffith University.

Our aim is to optimise value to our clients by exploring how any given project can extend beyond its brief to deliver unforeseen benefits. These may be to the project value or attraction, to the wider community, to authorities, to the environment. The substance of our process is developing collaborative relationships with our clients and consultants that enable open negotiation based upon trust. It is no happenstance that the majority of our work is for repeat clients.



Year Established

1962

Management Team

Michael Rayner – Principal Director
Jayson Blight – Director
Casey Vallance – Director
Tim Morgan – Director
Richard Coulson - Director
Brendan Gaffney - Director
Antony Scott-Pegem - Associate
Hang Ling – Associate
Carol Brubaker – Associate
Kim Richards – Associate

Current Export Markets

Global outreach including countries such as: Singapore, Malaysia, China, UAE and New Zealand.

Target Export Markets

Global

Type Of Export Business Sought

Direct Export, Joint Venture, Partnership

Certificate & Quality Approvals

Quality Assurance System in accordance with Australian Standard AS/NZS ISO 9001:2008 with full third party certification of the Quality System.

Awards

Cox Rayner Architects' awards include two World Architecture Festival Awards for Transport Architecture - for the Helix Bridge Singapore (2010) and Kurilpa Bridge Brisbane (2011) and at a National AIA level, premium awards for James Street Market Brisbane and for Thuringowa Riverway in Townsville .

Cox Rayner Architects are the only practice to have twice won the Australia Award for Urban Design – for Cairns Esplanade North Queensland in 2003 and SW1 South Bank Brisbane in 2011.

In 2011, Cox Rayner Architects won the UDIA National Award for Urban Renewal for the Flinders Street Redevelopment in Townsville.

Company Background Cont.

The practice was begun in 1962 by Philip Cox based in Sydney. It gained a national reputation as the leading exponent of what was then called The Sydney School of Architects who were concerned with creating a distinctive Australian architecture.

The principal characteristics of the philosophy were integration with the landscape or urban context, the expression of structure, direct response to climate and the ability for buildings and spaces to be adapted over time.

Cox Rayner Architects established its Brisbane office in 1985. One of its first projects was to undertake the Laguna Quays Resort in the Whitsundays in tropical North Queensland.

International Projects

Cox Rayner Architects have been involved in significant projects internationally, including:

- The Helix Bridge, Singapore
- Marina Bay Bridge, Singapore
- Singapore Management University, Singapore
- Singapore EXPO, Singapore
- Kuala Lumpur Convention and Exhibition Centre, Malaysia
- Traders Hotel, Malaysia
- Shangri La Hotel, Fiji

Australian Projects

Cox Rayner Architects have been involved in significant projects in North Queensland, including:

- Flinders Street Redevelopment, Townsville, 2011
- Townsville Hospital Redevelopment, Townsville (current)
- Australian Institute of Marine Sciences, ATOS Facility, Townsville, 2012
- Museum of Tropical Queensland, 2000
- Cairns Esplanade, 2001
- Cairns Convention Centre, 2000
- Cairns Entertainment Precinct (current)



Cullin Innovation Pty Ltd



ABN 21 121 753 384
Contact Peter Cullin
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Web www.cullector.com
Address 25 Batt Street
Clifton Beach, Cairns QLD 4879

Cullin Innovation is a concept to commercialisation product development company which invented and manufactures the Cullector™. The Cullector™ is an ultra efficient, self powered shower specifically designed for installation as a DIY retrofit.

Fields Of Commerce

Consulting
Manufacturing
Distributing
Research & development

Target Industries

Plumbing distributors, Hardware chains,
Government housing projects & Local government environmental incentive schemes

Specialist Areas Of Tropical Expertise

Ultra efficient showers
Potable shower water capture & use
3 way ball valve venturi combinations

Company Profile

Cullin Innovation's vision is to improve the efficiency of the world's showers in order to conserve water and reduce energy loss and green house gas emissions. Previously known solutions have been expensive to purchase and require qualified trades people for installation.

Our solution, trade marked the Cullector™, captures the initial volume of cold water that is normally lost to the drain during warm up time before it exits the rose and then reintroduces the captured water back into the shower stream during the course of the shower. Other features include the ability to switch OFF and ON without needing to adjust the taps and a transparent capture and return container that indicates when it is time to finish up. The Cullector™ is a self-powered, DIY retrofit that allows people to enjoy a quality shower experience while saving money and the environment. Return on investment starts with the first shower taken.

The uptake of the Cullector™ will also en masse reduce pressure on water supply, power supply and wastewater infrastructure and therefore provide environmental and financial benefit far beyond that of the initial user.

The Cullector is a necessary and timely inclusion to global water and energy conservation.

The Cullector™ is installed in the shower and simply replaces the existing shower head and arm.

Cullin Innovation designed, developed, manufactures and distributes the Cullector™.

The Cullector™ is currently undergoing rigorous laboratory tests including endurance and metallurgical contamination testing. Upon successful completion an application for WaterMark registration will be made. The registration process will be completed prior to sale.

WaterMark is a product quality certification mark provided by independent certifying authorities. It confirms that the product complies with the requirements of the Plumbing Code of Australia and the specifications listed in relevant Australian Standards. These relate to the quality of the product, including aspects of health & safety and warrant that it is fit for purpose.

cullininnovation

Year Established

2006

Management Team

Peter Cullin, General Manager

Target Export Markets

North America
China
Europe
Middle East

Type Of Export Business Sought

Direct export
Joint venture
Partnership
Licencing

Certificate & Quality Approvals

WELS Water efficient labelling standard
Licence No. 1210
Water Mark level 1 AS/NZS 3718, 2005 Water supply, Tap ware

Technology or Patent Ownership

Cullin Innovatin has patent protection on the Collector.

Awards

What's Your Big Idea Queensland (April 2011)
The ABC New Inventors (April 2010)
Australian Anthill Smart 100 Ranked No. 20 (May 2011)
Queensland Tropical Innovation Awards Finalist (November 2010)

Technologies & Capabilities

Manufacturing is outsourced to the Chinese based shower and tap ware manufacturer Xiamen Springking Industry Co. They not only comply with or exceed all of the Australian standards, they also comply with some of Europe's most stringent environmental standards. Many of Springking's current products are actual winners of European and American plumbing awards. Springking also have a focus on water conservation and currently export to Australia, North America, Eastern Asia and Western Europe. The name "Springking" is synonymous with quality and they manufacture products for some of the worlds best known brands.

Large orders and international distribution fall well within Springking's capability.

Company Background

Cullin Innovation Pty Ltd is a 100% Australian owned company formed by the inventor Peter Cullin in 2006. From the outset the company has been totally focused on improving the efficiency and performance of showers.

Cullin Innovation Pty Ltd is driven by a strong environmental and social ethic.

Our Maxim - Planet and people before profit

Our Mission - Provide a high quality low cost solution to shower waste

Our Vision - Make a positive contribution to social and environmental health

Cullin Innovation gratefully acknowledges the Australian Government, AusIndustry & the Queensland Department of Employment, Economic Development and Innovation for their assistance in the development and commercialisation of the Collector™

The logo for Cullin Innovation, featuring the word "cullin" in white lowercase letters and "innovation" in teal lowercase letters, set against a dark teal rectangular background.

CXT Design



ABN 74 056 367 512

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Address PO Box 1211
Charters Towers QLD 4820

CXT Design is an architectural company based in Charters Towers that offers regionally appropriate architectural services to the Charters Towers region and beyond. Historic buildings are a special area of expertise.

Fields Of Commerce

Consulting architect
Industrial design guidance (ergonomics)
Research - materials application

Target Industries

Housing
Commercial
Civic
Historical buildings

Specialist Areas Of Tropical Expertise

Tropical building design
Historic buildings, guidance for alterations
Historic buildings, general advice to contractors

Management Team

Fergus Tait, Principal

Year Established

2002

Company Profile

Located in Charters Towers, a historically significant regional town 200km inland from Townsville.

CXT Design is this regional country town's only resident architect.

Fergus strongly promotes tropical design principles and has endeavoured to advise as many of the population as possible to be aware of new materials application to older buildings to improve lifestyle and to overcome builder resistance to change.

Technologies & Capabilities

- Architectural services - new and alterations
- Tropical building design
- Historic building adaptation

The services of CXT Design include consultancy to mining companies with respect to building safety & design and advice to local government on infrastructure projects.

Fergus Tait previously served as a member of the Heritage Advisory Committee with the Charters Towers City Council during its 5 year term.

Certificate & Quality Approvals

Diploma in Architecture - 1975
Grad. Dip. Industrial Design - 1991

Australian Projects

- Masonic Lodge, Charters Towers
- Assembly of God Church, Charters Towers – historic warehouse
- School of Mines, Charters Towers
- Australian Natives Association, Charters Towers
- Civic Club, Charters Towers - old mine managers club
- Numerous residential designs and alterations

CXT DESIGN

Cyclone Testing Station

James Cook University



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Address School of Engineering and Physical Sciences
James Cook University
Townsville QLD 4811

The Cyclone Testing Station at James Cook University is an independently funded organisation focusing on sustainable and economical building practices to minimize loss and suffering as a result of high wind events. We provide research, testing and consultancy services.

Fields Of Commerce

Consulting
Research
Education

Target Industries

Building industry
Building product manufacturers
Building industry regulators

Specialist Areas Of Tropical Expertise

Testing products for cyclonic wind loads
Evaluations of building codes and practices for tropical regions
Vulnerability assessments of communities and infrastructure to cyclonic loadings

Company Profile

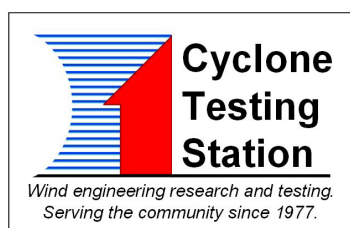
The Cyclone Testing Station is the pre-eminent, independent authority on the effects of high wind and related damage to low-rise building systems in Australia, South East Asia and the Pacific.

Since 1977 the Cyclone Testing Station has been researching, testing and advising industry and governments on building practices which minimise loss and suffering as a result of severe wind events. The Station delivers quality testing and technical advice to manufacturers, building associations and governments, in the most efficient and cost effective way as well as continuing first class academic research.

Technologies & Capabilities

Testing and Consultancy fields include:

- Full scale house testing
- Boundary layer wind tunnel
- Air-chamber for testing performance of cladding, doors, etc under steady and unsteady wind loads
- Wind driven debris impact test facility
- Racking rig for bracing panels
- Material testing laboratory
- Vulnerability assessments of communities and large facilities
- Building and loading code assessments



Year Established

1977

Management Team

Cam Leitch - Manager
Graeme Stark - Development Manager
John Ginger - Research Director

Current Export Markets

Asia Pacific

Target Export Markets

Asia Pacific
Emphasis presently on Fiji, Tonga and New Zealand

Type Of Export Business Sought

Direct export

Certificate & Quality Approvals

NATA accredited testing laboratory

Company Background

The Cyclone Testing Station was founded in response to the destruction caused by Cyclone Althea to Townsville in 1971 and Cyclone Tracy to Darwin in 1974.

The Station's strategic location in Townsville has enabled it to serve not only Australia and North Queensland but also most other cyclone prone regions throughout the world.

International Projects

Assessment of building codes and training seminars for Asia-Pacific nations via AusAID.

Testing of building products to resist cyclonic wind loads for Asia-Pacific nations.

Australian Projects

Provided hundreds of confidential testing reports and analysis for Australian building product manufacturers.



David Townsend Designs



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David Townsend Designs is a boutique, bespoke architectural and building design practice specialising in projects outside the mainstream eg eco, heritage, custom or difficult projects.

Fields Of Commerce

Design consulting
Construction consulting

Target Industries

Housing - private & public, commercial & industrial

Specialist Areas Of Tropical Expertise

Custom design, Heritage, Construction

Current Export Markets

Thailand, New Zealand, Singapore

Target Export Markets

New Zealand, Singapore, China

Type Of Export Business Sought

Direct export, Joint venture, Partnership

Company Profile

As a boutique architectural & building design practice, David Townsend Designs offers clients a personalised service that solves problems created by projects that are not mainstream.

Technologies & Capabilities

- Competent in the latest building technologies
- Ability to out source any future requirements to qualified professionals
- Consultant to national building material suppliers eg James Hardie & Hyne

Year Established

20 Years

Management Team

David Townsend, Principal & Company Owner

Certificate & Quality Approvals

Licensed Building Design Open - BSA Qld

Awards

HIA
Master Builders
Townsville City Council - Heritage

Company Background


35 years experience in mining, material handling, bespoke custom architectural design (multi award winning), retail design and building product consulting.

International Projects

Hotel advice - New Zealand & China
Housing - Thailand

Australian Projects

- Multi-award winning for residential projects
- Houses - low cost to multi- million dollar projects
- Heritage design for local government & State Government
- Commercial complexes

David Townsend 
Building Designer

BSA No. 65933

Del Mondo Property Group



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Address PO Box 978
Townsville QLD 4810

Del Mondo Property Group provides project management services to their clients in the areas of design, development and construction or part thereof for subdivisions (all types), residential developments, buildings and mining camps from acquisition to completion. Del Mondo Property Group has a keen interest in supporting sustainable design and construction.

Target Industries

Urban developments, land development, building construction (residential, commercial & mining camps)

Specialist Areas Of Tropical Expertise

Masterplanning – residential or mixed use subdivisions
Commercial construction
Tropical building design & development
Water sensitive urban design
Mining camps

Target Export Markets

South East Asia specifically Singapore, Malaysia & Indonesia

Type Of Export Business Sought

Direct export
Joint venture



Company Profile

Del Mondo Property Group offers project management services for the development of residential, commercial and mining built environments. We assist with acquisition, through design and construction to project completion and include project planning, coordination of specialist consultants, stakeholder liaison, design development, quality control and construction management services.

Technologies & Capabilities

Del Mondo Property Group provides project management services to urban developments.

Services provided can include site acquisition, design development, project planning, project coordination, coordination of specialist consultants, stakeholder liaison, design development, quality control and building construction management.

Fields Of Commerce

Project management consulting
Construction management
Development management

Year Established

2003

Management Team

Daniel Di Mascio, Director and Principal Project Management Consultant

Company Background

Development and project management experience in NSW and North Queensland for residential & commercial buildings, subdivisions and mining camps.

Currently developing modular accommodation product for mining camps and total camp solutions including sewerage treatment & water sensitive urban design landscaping.

Exploring export opportunities to Asia via the Green Asia Group.

Australian Projects

North Queensland Projects include:

- Carlyle Gardens Retirement Village – landscaping and water sensitive urban design
- Abode Apartments, South Townsville – site acquisition, design development, project management
- Reflections Resort, Whitsundays – Project Management to completion

James Cook University

Discovery Rise Project



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Address James Cook University
Townsville Campus
Douglas QLD 4811

James Cook University is creating a knowledge community at its Townsville Campus called Discovery Rise. Knowledge communities are a mix of residential communities and knowledge based businesses built around universities, research institutes and hospitals. The Discovery Rise project team has been formed to deliver that outcome.

The Discovery Rise development will establish a position of leadership in social, environmental, cultural and economic sustainability.

Fields Of Commerce

Project management
Project feasibility and finance

Target Industries

Urban development
Education
Public infrastructure

Specialist Areas Of Tropical Expertise

Urban design
Energy management
District cooling

Company Profile

James Cook University (JCU) is Australia's leading tropical university. Our intent is for a better life in the tropics world wide through graduates and discoveries that make a difference. JCU is now an international three city university: Singapore, Townsville and Cairns. We regard the tropics as our primary focus and point of difference. We have a strong sustainability ethic and to that end have introduced Australia's second Bachelor of Sustainability course.

Technologies & Capabilities

- Tropical urban planning incorporating community development planning
- Large scale distributed air conditioning incorporating demand management through thermal storage
- Knowledge community conception and design
- Project procurement and feasibility



Year Established

2008

Management Team

Alan Carpenter, Project Director
Patricia Brand, JCU Executive Director Finance and Resources
Rodney Barnes, JCU Director Commercial Services

Awards

- 2010 Planning Institute of Australia - Award for Planning Excellence - Planning Scholarship
- 2010 Australian Business Award for Environmental Sustainability
- 2011 Tertiary Education Facilities Management Association Award for Energy Management Program

Company Background

One of the world's leading institutions focusing on the tropics, Australia's James Cook University ranked in the top five percent of the world's tertiary institutions by the respected Academic Ranking of World Universities produced by the Shanghai Jiao Tong University. James Cook University is dedicated to creating a brighter future for life in the tropics world-wide, through graduates and discoveries that make a difference.

The University conducts nationally significant and internationally recognised research in areas such as marine sciences, biodiversity, tropical ecology and environments, global warming, tourism and tropical medicine and public health care in under-served populations. The Discovery Rise project team was established by JCU in 2008 and charged with achieving the vision for the Discovery Rise Project.

Australian Projects

The Discovery Rise Project is a physical expression of JCU's intent described above.

Discovery Rise will achieve these ends through a reconception and re-shaping of the built environment of Douglas Campus from an isolated institutional campus to an integrated university town with its knowledge community building and strengthening North Queensland's knowledge economy.

The project envisages a university village with a distinctively tropical Australian ambience which will incorporate energetic academic, social, artistic and commercial environments. It will be a blended community of interests encompassing practitioners, researchers, learners and commercial interests energised by a substantial residential community, all of which will set a new benchmark in sustainability.

Djarragun Enterprises



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Djarragun Enterprises has established a social enterprise transition to work programme where indigenous graduates from Cape York and the Torres Strait area are gaining access to work based training and employment. The Construction Crew are constructing modular prefabricated buildings with tropical designs, sustainable building materials and methods that are also suitable for construction in remote locations.

Fields Of Commerce

Manufacture
Design
Installation

Target Industries

Remote public and private residential buildings

Specialist Areas Of Tropical Expertise

- Sustainable tropically designed buildings
- Energy efficient designs and construction processes
- Local indigenous employment & training
- Manufacture of sustainable buildings



Company Profile

Djarragun Enterprises provides an industry based employment pathway for indigenous graduates in North Queensland. Operating as a "social enterprise", the indigenous crew members who work in our enterprises all earn award wages with profits reinvested to both help grow the business and provide support for future skilled workers.

One major venture of Djarragun Enterprises is our construction crews. Under the supervision of licensed builders, these energetic and professional crews provide an affordable, reliable and quality construction, repairs and maintenance service throughout northern Queensland. Being Building Services Authority (BSA) registered, you will have the peace of mind that a qualified builder will complete the work. You will also be providing indigenous youth with the opportunity to learn new skills and gain employment.

Another major venture of Djarragun Enterprises is our landscaping & yard maintenance crew. This young and energetic crew are ready to carry out any landscaping, gardening or yard clean up service in the greater Cairns region. We provide very competitive rates and can tackle any job - big or small.

Technologies & Capabilities

Construction products delivered by the team, both commercial and residential, include:

- Construction of modular prefabricated buildings throughout North Queensland including remote locations
- Building of small scale buildings such as decks, pergolas, garages, storage sheds, ramps and camp-site dwellings
- Small scale repairs including laying floorboards, wall patching, tiling and regrouting
- Renovations and extensions to existing buildings
- Installation of water tanks, fence construction, repairs and maintenance

Building low cost sustainable housing in collaboration with Paneco Australia has been possible with the use of a panel built wall and floor system which allows construction by unskilled and semi-skilled labour using hand tools. The system offers:

- excellent energy efficiency
- protection against termites
- protection against fire
- excellent thermal and sound insulation

Our commercial yard maintenance & landscaping services include :

- Lawn mowing and edging
- Hedging and pruning
- Weeding and mulching
- Gutter cleaning

Year Established

2010

Management Team

Mike Sweeney, General Manager

Vicki Lupi, Operations Manager

Type Of Export Business Sought

Joint venture

Certificate & Quality Approvals

BSA -Licence 1197996

QBuild - 852492

PQC - Level 2

QMBA - 66217

HIA GreenSmart Professional

Technologies & Capabilities Cont.

- Rubbish removal
- Water pressure cleaning
- Tree lopping
- Fence construction, repairs and maintenance
- Installation of water tanks
- Paving and concreting

Company Background

Djarragun Enterprises commenced in January 2010. It provides a structured pathway to open employment for indigenous youth all over North Queensland.

It operates as a “social enterprise” and participants earn wages from their work in small businesses managed by Djarragun Enterprises. This employment is available for a fixed term period during which they are provided with on the job training and support to learn practical work skills and the habits of work.

The objectives of Djarragun Enterprises are to:

- Operate social enterprises that are capable of operating on a financially sustainable basis
- Provide indigenous young people from Cape York and the Torres Strait with access to work based training and employment through those enterprises
- Develop positive attitudes towards work, build skills and strengthen employees’ ability to engage effectively in a workplace environment
- Provide a pathway into open (mainstream) employment
- Document the Djarragun Enterprise transition to work model to support replication

A key objective with the participants is to build their personal resilience and resolve to stick at a job and stay in the workforce, even though there may be conflicting family / community pressures working against this.

Australian Projects

- Enterprise House, Gordonvale (near Cairns)
- Display homes, Batchelor in the Northern Territory
- Transitional housing for QBuild , Palm Island (near Townsville)
- Sun Shade Pergola Program, Cape York
- Home extensions, Cairns (Kewarra Beach)
- Resort upgrade, Cairns (Palm Cove)
- Timber furniture, Cairns Convention Centre



Eco Energy Sense Australasia

ST

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Eco Energy Sense sells and distributes energy saving products for refrigeration units (industrial, commercial & domestic). Energy savings of up to 30% for refrigerated perishable products and up to 65% for refrigerated non-perishable products.

Target Industries

Pubs & clubs
Restaurants
Food & grocery retailers
Hotels & cafes
Travel & transport
Leisure & entertainment
Contract catering
Public sector
Health sector
Vending operators
Energy suppliers
Mining & domestic

Company Profile

Commercial refrigeration accounts for over 20% of the world's energy consumption. This gives decision makers in the food service, entertainment and leisure industries a unique opportunity to make a dramatic impact on energy use and carbon emissions.

Eco Energy Sense offers two uniquely innovative, retrofit, cost effective, energy reducing, carbon cutting products for commercial refrigeration.

EcoCube was designed and developed for non-perishable goods and **eCube** for perishable products.

Both devices are successful British inventions - winning awards for innovation.

Technologies & Capabilities

EcoCube - for non-perishable refrigerated products

The EcoCube device uses a motion sensor to switch off active refrigeration cycles when no motion is detected within a predetermined time frame. This means that your refrigerators only consume energy when they need to do so. As soon as motion is detected nearby, EcoCube switches on the chiller cycles again.

After a predetermined length of inactivity, the device can even switch the refrigerator off entirely. When the staff arrive to start the day, the motion detectors will activate the chillers. Because EcoCube is designed to control the refrigeration of non-perishable items only, the refrigerator's contents remain intact and safe.

eCube - for perishable refrigerated products

The eCube is made from a patented, high molecular-weight aliphatic hydrocarbon compound that has the same thermal properties as food and beverage. As such it is not subject to the wide temperature swings caused by air.

With eCube providing the existing thermostat with product temperature, instead of air temperature, a more accurate temperature is being reported. This more accurate and stable temperature causes the compressor to run fewer but longer cycles. These longer cycles create "thermal inertia" as it cools food for a longer period of time (at a more accurate temperature) thereby lowering its temperature. This in turn allows the set point to be adjusted to a higher temperature.



Year Established

2012

Management Team

Andrew Hinchcliffe, Managing Director
Sarah Hinchcliffe, Business Partner

Company Background

Eco Energy Sense Ltd and Eco Energy Sense Australasia have joined forces to launch an exciting new energy saving product in Australia. Businesses in the United Kingdom have seen dramatic reductions in their energy consumption and after such success we believe the timing is right to expand to Australia.

Target Export Markets

New Zealand

Certificate & Quality Approvals

NSF International
Scottish Parliament
British Gas
Scottish Power
Carbon Trust UK - approved and accredited
Radisson Hotels UK
Scottish National Health Service
Scottish Enterprise
Harrods
Lothian & Borders Police UK

Awards

Vision In Business for the Environment of
Scotland
Machine Intelligence Award
British Institute of Facilities Management
New Start Scotland-Bright Business Idea
Competition



Eco System Homes



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Eco System Homes provide architecturally designed, factory built homes (panelBUILD Building System) that achieve an extremely fast on site build time, with climate responsive design and an excellent range of sustainable product inclusions and add-ons that results in a final appearance no different to that achieved with traditional on site construction procedures.

Fields Of Commerce

- Consulting
- Architecture & Design
- Master planning
- Manufacturing (via PanelBUILD Pty Ltd)
- Construction - via licenced Eco System Home Builders

Target Industries

- Housing
- Backyard solutions
- Hillside solutions
- Remote housing
- Mining accommodation
- Destination villages

Specialist Areas Of Tropical Expertise

Sustainable housing
Sustainable buildings
Rapid build time (to lockup in 4 days)



Company Profile

Eco System Homes is a retail interface and design facilitation service for people who want to build a highly energy efficient, eco-friendly home - affordably, quickly and easily.

Eco System Homes have developed a suite of architecturally designed floor plans particularly suited to sub-tropical and tropical climates, that are built using the panelBUILD range of factory built floor, wall and roof elements and factory pre-fitted windows & doors which are offered together with a range of sustainable material and product options as an integrated eco-friendly home package.

The actual homes are built under licence by local builders, for example Tropical Coast Builders (based in both Townsville and Mission Beach covering the region around Townsville and north) and Shield Constructions (based in Bowen covering the region south of Townsville to the Mackay region) are the licenced builders of panelBUILD homes in North Queensland.

Technologies & Capabilities

The Eco System Home product is highly flexible with a wide variety of eco- designs, material and products choices available to the consumer. The homes are factory built and all inclusions supplied as an integrated package. On site construction achieves lockup in only 4 days. For details on the panelBUILD Building System visit www.panelbuild.com.au

The following describes the sustainability options that are available in Eco System Home packages:

- Energy options include solar hot water and solar energy photo voltaic systems
- Construction is using 90 mm treated timber framed braced using panelBUILD Building System
- Designs incorporate indoor/outdoor living spaces, deep overhanging eaves for shading and cooling, raised or on-slab construction
- Light & air-movement is achieved by cross ventilation in every living space for natural airflow, ceiling fans in every living space, clerestory windows for added air movement & natural light
- Energy efficiency is achieved through energy efficient and indirect lighting, energy efficient white goods, an energy meter for real time power usage information, a master switch at entry can turn off power outlets to limit standby power consumption
- Water savings can be achieved via rainwater storage supplying water to laundry, toilet, and landscaping, water filtration for AAA rated water supply, water-wise toilets, tapware and white goods.
- Re-use options include on-site sewerage treatment, effluent field to fertilize native and low maintenance planting and/or fertilize fruit trees and landscaping, modular drip irrigation areas for permaculture gardens

Year Established

2009

Management Team

Jeff Hilditch, Director - Sales and Marketing
Mark Buczynski, Director & Architect

Current Export Markets

Japan

Target Export Markets

Asia Pacific

Type Of Export Business Sought

Licencing

Technology or Patent Ownership

Eco System Homes utilise the panelBUILD Building System (www.panelbuild.com.au)

Awards

Environmental Award for Excellence - Fraser Coast Council, Queensland

Company Background

Eco System Homes were established in 2009 as the retail interface for homes built using the panelBUILD Building System.

The panelBUILD factory was commissioned by Panelbuild Pty Ltd at Darra, 13km south-west of Brisbane, Queensland in early 2011.

Eco System Homes provide a real point of difference with our panel-BUILD design philosophy, excellent cross ventilation, high raked ceilings, great use of indoor and outdoor space, innovative architectural designs and fast build time.

A significant amount of time and thought has gone into our approach to building your new home. We've done the "green thinking" for you and can deliver a complete eco solution as an integrated package.

Our approach involves not only tackling sustainability issues, it encourages building community as well. For this reason all of our homes have front decks to promote neighbourhood interaction.

International Projects

Eco System Homes completed concept designs for a new community building and accommodation facility in Papua New Guinea.

Australian Projects

The Lakeside Design has been built for private clients in both South Mission Beach (Far North Queensland) in August 2011 and Wilson Street, West End, Townsville (December 2011) - on site construction by Tropical Coast Builders.

The Lorikeet Design was built in early 2012 as a display home on Eastlake Avenue, Fairfield Waters (Townsville) - Eco System Homes first display home.

Eco System Homes have commitments for a significant number of homes in Queensland including 29 townhouses in Brookwater, 42 townhouses in Gladstone and 33 townhouses in the Middlesbrough & Mackay areas, with construction scheduled variously for mid and late 2012.



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ecoSAVVY provides sustainability consultancy services to the tropical green build sector and others to make living, designing and achieving a more sustainable home (or buildings) in dry tropical climates and Townsville in particular, more accessible.

The ecoSAVVY website is a community portal of sustainable design and sustainable living directories, links and resources for people who want to live and design more sustainably in Townsville.

Fields Of Commerce

Consulting
 Research
 Community Education

Target Industries

- Organisations or institutions including research institutions interested in promoting sustainable buildings and sustainable living practices in Townsville / North Queensland / tropical regions
- Urban Developers
- Government (all levels)
- People interested in building a new home or retrofitting an existing home in a tropical climate with sustainability in mind.

Company Profile

ecoSAVVY combines local knowledge with technical and behavioural change expertise to provide educational, community consultation, project management and design guidance services to influence the climate appropriateness, sustainability and energy efficient performance of homes and buildings in North Queensland and to promote sustainable ways of living.

ecoSAVVY's goal is assist people living in North Queensland who want to live in a more sustainable home to achieve that. Also, to encourage sustainability innovation by North Queensland based builders, designers, architects and urban developers to create homes and communities that are healthy, comfortable and eco-friendly. Places to live that enhance our lifestyle in the tropics and our wellbeing, that are economical and that reduce our carbon and ecological footprints, providing hope for people living in Townsville and beyond to continue to have an enjoyable place to live into the future.

Technologies & Capabilities

ecoSAVVY specializes in having expertise in tropical design and sustainability for residential dwellings (ie detached homes, multiple dwellings and unit developments) in North Queensland's dry tropical climate and in the delivery of services and programs that will facilitate innovation and increased uptake in this area.

ecoSAVVY offers services that support others in understanding how homes and buildings can better incorporate sustainable practices and provides pathways for projects achieving sustainable design outcomes desirable in a tropical climate.

ecoSAVVY services are customised and project specific.

Past commission have included:

- multi-stakeholder industry engagement projects;
- sustainability industry profiling;
- sustainability network facilitation;
- business innovation consultations;
- sustainable housing design guidance (for consumers, builders and urban developers);
- delivery of government program one-on-one home sustainability consultations;
- coordination and marketing of sustainable open home initiatives;
- development of incentives packages/behavioural change initiatives to encourage eco-aware homebuying practices;
- development of educational and awareness raising materials for various target markets including new home buyers, general community, low socio-economic sector and children;
- compilation of best practice casestudies of tropical sustainable homes.



Year Established

1994

Specialist Areas Of Tropical Expertise

- Understanding of principles of sustainable housing design and materials and products appropriate for homes in tropical climates (especially dry tropical climate)
- Knowledge of service providers and products to achieve climate responsive and sustainable homes in Townsville region.
- Active involvement in and knowledge of initiatives and other influences on sustainability innovation in North Queensland housing over past 10 years

Management Team

Sandy McCathie, Director & Sustainability Consultant

Type Of Export Business Sought

Direct Export
Partnership
Joint Venture

Company Background

ecoSAVVY director, Sandy McCathie began researching aspects of the sustainability of the housing industry whilst working for the Centre of Excellence in Cleaner Production at Curtin University of Technology in Perth, Western Australia in 2001.

After relocating to Townsville in 2003 she spent one and a half years with Townsville City Council working on Sustainable Housing policy and incentives.

ecoSAVVY commenced operation in 2004 with the goal of providing consultancy services to the diversity of stakeholders in the housing supply chain to achieve a transformation in the sustainability of the built form in Townsville.

Though working intermittently over recent years due to pregnancies and raising her young children, milestone achievements have included profiling of North Queensland's Tropical Green Build sector (in this document); coordinating an industry engagement program with the goal of identifying innovative sustainable housing and urban development practices for North Queensland and documenting those findings in the Thuringowa Sustainable Village Project; undertaking over 150 sustainability assessments of Townsville homes as part of the Federal Governments Green Loans program and having Sustainable House Day become a regular event on the North Queensland calendar.

Australian Projects

- Assistance to Cummings Economics for DEEDI's Advancing Tropical Green Build Project
- The Little Things Poster: no cost sustainable living tips targeted at low socio economic families for North Qld Conservation Council
- The Big List of Eco Actions: Over 1000 tips for sustainable living for Catholic Education Diocese of Townsville
- Developing Green in Townsville's CBD: A case study of the GreenT / Evolve Commercial Building Project for Cafalo Pty Ltd
- Green Home Loans Sustainability Assessor – 150 homes assessed
- Custom Sustainability Consultations: over 50 homes/buildings
- Project manager of 'eco' renovations to Townsville homes
- Compilation of a 'Vision for Sustainable Housing Excellence' & 'Design Elements for thermal comfort & energy efficiency' for Stockland's North Shore 5000-lot residential development in Townsville.
- Technical input to 6 tropical design guide notes & 3 case studies for Townsville City Council's Sustainable Housing Information Kit.
- Coordinator of Thuringowa Sustainable Village Project: a major housing industry capacity building program. The role included project design & delivery, facilitation of over 45 workshops & collation and publishing of the collective findings.
- Advice to a variety of builders for introduction of new sustainability features into their homes & landscaping.
- Sustainable Display Home Signage for Mundingburra Rotary Club Sustainable Home Kirwan & Fairfield Waters HIA GreenSmart Nth Qld Display Centre.



EcoSplash Living Waters Pty Ltd



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EcoSplash Living Waters swimming pools are completely chemical free and a natural alternative to conventional chemical swimming pools. EcoSplash Living Water swimming pools represent the future of pool sustainability. The patented and innovative EcoSplash™ System is based on bio-mimicry, aquaculture, conservation of water and elimination of chemicals to sanitise pool water along with optimum solutions for pool pump efficiency.

Fields Of Commerce

Consulting and planning, Manufacturing, Distribution, Licensing, Research & development, Maintenance & repairs

Target Industries

Housing & pool construction
Hospitality (eco-resorts)
Architects
Landscaping

Specialist Areas Of Tropical Expertise

Natural pool & pond water purification and sanitation
Bio-mimicry
Swimming pool sustainability
Water and energy efficiency



Company Profile

Passionately researching existing organic pool concepts led to the development of the EcoSplash™ system (ESS), a natural pool water purification system designed specifically to successfully work in challenging tropical conditions.

ESS is based on bio-mimicry and enables conservation of water, reduction/elimination of chemicals to sanitise pool water, aqua culture and provides optimum solutions for pool pump efficiency. The ESS is a high tech, yet natural purification system that consistently maintains chemical free pools and provides water sanitation in harsh tropical climates.

The unique capabilities and versatility of the Eco Splash™ System have been awarded with the prestigious 'Tropical Innovation Award of the Year 2010'. The development of a Fibreglass application for the ESS was recently awarded 'What's Your Big Idea Queensland'.

Our long term goal is to investigate applications of the EcoSplash™ System beyond the pool industry.

Technologies & Capabilities

Biomimicry is the core of the Eco Splash™ System: replicating nature with today's most advanced technologies. Micro-organisms are the key players in natural waters. They steadily eliminate contaminants from water and keep the biological balance.

Eco Splash™ Living Waters Pools replicate this natural system to maintain healthy water balance. A swimming area of up to 90% is combined with shallow planted filter beds: the biological filter zone.

Aided by high technology the ESS relies on natural Bio-Film cultivation, a layered arrangement of natural media of stones, specific flow rates and aquatic plants to produce crystal clean pure water.

Conventional swimming pools are run with a substantial amount of chemical additives. This is not necessary in a natural EcoSplash™ pool. The organic self cleaning process together with regular maintenance provides natural swimming pleasure whilst saving water and energy.

EcoSplash Living Water swimming pools are:

Organic, 100% natural EcoSplash™ Filtration System:

- No chemicals needed for a healthy water balance

Economically & environmentally sustainable:

- 80 % less running costs to a chemical pool
- Power efficient through eco-friendly technology

Year Established

2011

Management Team

Amanda Spelta, Director

Joe Spelta, Director

Target Export Markets

Singapore

South East Asia

Type Of Export Business Sought

Direct export

Licencing

Technology or Patent Ownership

Tropical pool water sanitation system

Bio-filter for water purification

Awards

- Tropical Innovation of the Year 2010
- Environmental Encouragement Award Splash! 2010
- International APSP Gold Award of Excellence 2011
- What's Your Big Idea Queensland 2011

Technologies & Capabilities Cont.

- Water saving through storage and recycling
- Pays for itself within 2 to 3 years

Living Water as a complete eco-system:

- Increased biodiversity by creating a natural habitat for frogs, fish, insects & birds
- Aquatic landscape & soothing aesthetics

Up to 90% swimming area, as little as 10% filter zone:

- Filter beds may be placed apart from the pool and can double as a water feature
- Individually designed to suit your lifestyle

Convert your existing pools (retrofit option) and minimise your carbon foot print.

Soothing aesthetics: wellness for body and mind

EcoSplash™ System is not only the completely chemical free and natural alternative to conventional chemical swimming pools, but represents the future of pool sustainability.

Company Background

The people behind the EcoSplash System are pool builders since 1978. Their passion for living water focussed on researching a way to bring back nature into people's back yards instead of contributing to environmental problems by chemically maintaining salt water swimming pools.

Recognising a definite trend towards environmentally friendly and economically sustainable swimming pool systems, extensive market research lead to research and development of a Tropical System. In 1995 a specialist team was formed with pool builder Joe Spelta being the driving visionary, German specialists from one of Europe's leading natural pool companies and aqua-culture experts supported the technical development of the ESS and its patented tropical adaptation. One of them is now EcoSplash's main technical advisor. The company is managed by Amanda Spelta; a marketing specialist plus two sales experts to complete the team.

Against all odds and predictions they have succeeded in developing a completely natural pool water filtration system that creates a naturally sanitised swimming environment full of life and aquatic plants. To date, the patented EcoSplash™ System is the only natural pool filtration system of its kind that is specifically adapted to work even in the harsh conditions of the Tropics.

Australian Projects

To date, 4 new EcoSplash pools have been built and sold plus 2 renovations/conversions of existing swimming pools. EcoSplash is also operating various Research & Design pools where fine tuning of the ESS and further developments are being tested. We are currently finalising the development of a portable kit version which will further satisfy the enormous interest from interstate landscapers, architects and builders interested in selling the ESS.



Effective Energy Solutions Pty Ltd



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EES is North Queensland's leading supplier of Knauf Earthwool insulation and Solatube skylights & roof ventilators. Owned by Ryan Hampson and Paul McDowall they, along with their team of fully licensed installers, provide quality workmanship. EES design & supply sustainable solutions for your home, business or commercial building.

Fields Of Commerce

Retail, installation, consulting

Target Industries

Housing, commercial, industrial and public buildings

Specialist Areas Of Tropical Expertise

The supply of energy use reducing technology suited for the tropics.
The installation of products that comply with cyclone standards and maintains a water barrier using quality workmanship to reduce ongoing maintenance issues.
Advice and design of systems that reduce heat gain in the tropics using heat barriers and ventilation resulting in increased energy performance efficiency of air-conditioning.

Company Profile

Our aim is to provide Energy Efficient Solutions to improve the comfort of your home or workplace and provide on-going savings to your energy bills.

Effective Energy Solutions is owned and operated by Ryan Hampson and Paul McDowall. Both have extensive knowledge in renewable energy products and are happy to provide advice for a sustainable living solution in your home, business or commercial building. EES prides itself on offering the highest quality products available and a fully licensed installation team providing quality clean workmanship.

EES is the premier dealer for Solatube products in North Queensland. Solatube is the world leader in residential and commercial daylighting systems and solar powered roof ventilation. We also supply and install a range of ceiling insulation products with exceptional thermal and acoustic properties.

Technologies & Capabilities

EES is the premier dealer for Knauf Insulation and Solatube products in North Queensland.

EarthWool™ by Knauf is a new advanced generation of "super soft" and highly sustainable glasswool that is not itchy and is easy to handle. It is made using recycled glass bottles, sand and ECOSE™ technology that is formaldehyde-free and contains no dye or artificial colours. It is based on rapidly renewable bio-based materials instead of petroleum-based chemicals which is up to 70% less energy intensive. Earthwool's thermal and acoustical treatments for walls, ceilings and floors come in a wide range of sizes and R-values.

Solar Star, the leader in solar powered roof ventilation, brings you the most technologically advanced, environmentally friendly, ventilation solution today. Best of all, Solar Star brings you the solutions that cost nothing to operate. It vents up to 180 m² of roof space with a high performing built in motor exchanging air up to an impressive 22cm/m (cubic metres per minute). It has a 5 year warranty on the solar panel and motor and a 10 year warranty on all other components.

The Solar Stars we install in North Queensland are ordered with cyclone kits which consist of extra brackets to anchor the Solar Star to the polypropylene flashing. The Solar Stars have been tested in the US & Canada to comply with Tornado requirements for residential and commercial premises. When examined for compliance in Australia, this testing was deemed to have exceeded the requirements for buildings in cyclone prone regions. We have installed hundreds of these units right across our region over the last 2 years and to this point there has been no issues with the failure of a Solar Star even after Cyclone Yasi.



Year Established

2010

Management Team

Ryan Hampson, Owner/Manager
Paul McDowall, Owner

Type Of Export Business Sought

Direct export

Certificate & Quality Approvals

- Knauf Insulation: EarthWool™ ECOSE® Technology Compliance: AS/NZS 4859.1: 2002 .
- Bio-solubility: EC protocols ECB/ TM27 REV. 7, 1998 BRANZ certification.
- Water Vapour Absorption (ASTM C 1104) is less than 5% by weight.
- Corrosion Resistance (ASTM C 665) is no greater than sterile cotton.
- Microbial Growth (ASTM C 1338) is not supported.
- Fire Resistance (ASTM C 136): non-combustible.

Technology or Patent Ownership

Solatube Australia
Knauf

Technologies & Capabilities Cont.

Solatube Skylights allow you to virtually turn the lights off. Imagine being able to daylight your most challenging projects - from schools to offices - and ensure that daylight levels are optimised for all your occupants. The light output is incredible, providing as much light as you would expect from a skylight many times its size. Installing it is fast, clean and easy. The compact and flexible design allows installation into rooms without direct roof access and smaller spaces where day lighting would usually not be an option.

Switch off electric lights during the day and save on energy bills and environmental pollution. It is actually good for you. It has been shown in several prominent studies that increasing daily exposure to natural light can enhance mental and physical well being, boost concentration & energy levels and a variety of other unexpected perks.

Company Background

Effective Energy Solutions will turn 2 years old in June 2012. Since its beginnings in 2010, EES has endeavoured to be a link between the world's highest performing energy saving products and the people of North Queensland. EES has assembled a team of highly professional, experienced & enthusiastic personnel who know and understand our product range in all of its forms and applications.

Australian Projects

Queensland Health/Eco Efficiency Experts Nov 2011, 5 x Solar Stars fitted to over-flashings
Mareeba RSL - Nov 2011, 3 x 290DS Solatube Skylights
Bentley Park Early Learning Centre – 12 x 290DS Solatube Skylights
Yungaburra State School – 3 x 750DS Solatube Skylights
Port Douglas State School – 3 x 750DS Solatube Skylights
Bibbohra State School – 2 x 750DS Solatube Skylights



Enviromart Australia Pty Ltd



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Enviromart is a leading retailer and wholesaler of a large range of eco friendly products from building materials to washroom papers, packaging, organic gardening and agricultural supplies, household devices, cleaning and personal products, toys and books. Enviromart is a family owned and operated business who actively contribute to community activities and public events in North Queensland.

Fields Of Commerce

Retail & Wholesale

Target Industries

Government services eg schools, hospitals, clinics, offices, recreational facilities & events. Organic food production, landscaping businesses and gardeners.

Tourism operators, accommodation hotels and motels.

Construction industry in mining, housing and commercial & industrial.

Specialist Areas Of Tropical Expertise

Enviromart stock a range of products that suit tropical applications and use. Their range of products is based on their working experience and customer feedback over a number of years.

Company Profile

Enviromart is a leading retailer and wholesaler of a large range of eco friendly products from building materials to washroom papers, packaging, organic gardening and agricultural supplies, household devices, cleaning and personal products, toys and books. They service business throughout North Queensland including Cairns, Townsville, Mackay and the Cape York & Torres Strait Island communities.

The range of products on offer have been carefully selected. Enviromart operates a personal service and customer feedback is sought and repeat business is relied on for success.

The Envire® range of products is a timber replacement made from recycled plastic and manufactured in Australia by Integrated Recycling. Due to the very low water absorption, it is also ideally suited to wet and humid environments. The product is also continually recyclable, non-toxic and washable, can be drilled, screwed, stapled and routed and is resistant to breakage and splintering.

Washroom supplies from the Bay West range along with the GOJO hand hygiene range are in demand from schools and education establishments, local government, commercial office, industrial & tourism businesses. The tissues and towels are 100% recycled and dispensers and soaps certified by Good Environmental Choice Australia (GECA).

Mould and growth inhibition for healthy workplaces and homes is vital and Enviromart has high quality products chosen especially for the tropics. Cli-Mate mechanical de-humidifiers are tried and tested with features that efficiently cleans air, prevents condensation and reduces damage and the need for costly cleaning. The Wet & Forget product is applied to surfaces to kill mould without the use of harsh and unhealthy chemicals.

Enviromart is the sole distributor of BIO paint and products in North Queensland, a natural paint that includes no chemicals or toxins.

Enviromart also sell composting toilets (Clivus Multrum), reflective foil insulation (E-Therm), water saving devices (Eco Shower, Shower Saver, Tap Water Restrictors) and a range of composting devices, soils, worm farms and allied products

Alan and Di Creasey offer their customers personal service that is backed by vast product knowledge particularly in relation to the tropical application of their products.



Year Established

1996

Management Team

Alan Creasey, Owner/ Operator

Di Creasey, Owner/ Operator

Target Export Markets

Papua New Guinea & South Pacific Islands

Type Of Export Business Sought

Direct export

Certificate & Quality Approvals

Good Environmental Choice Australia (GECA)
certified products

Technologies & Capabilities

Enviromart choose to stock the following products based on local customer demand and experience:

- Envire: Composite recycled timber / plastic used for fencing, flooring, decking, landscaping, bollards, furniture, marine environments
- Clivus Multrum: Composting toilets
- BIO: Paint, surface finishes and allied products- 100% natural
- E-Therm: Reflective foil insulation
- Bay West: Washroom supplies with towel and tissue products - 100% recycled
- GOJO: Hand hygiene products
- Cli-Mate: Maxi, mini and midi dehumidifiers for mould control.
- Wet & Forget: Chemical free mould control
- Range of composting devices, soils, worm farms and allied products

Company Background

Enviromart is a family owned and operated business. The store is conveniently located in Cairns and has expanded since establishment. Enviromart actively contributes to community activities and public events in North Queensland. Their products are available through community based market days across Cairns, the Atherton Tablelands and the Cassowary Coast region.

Established in 1996 as a centre for environmentally friendly building products, Enviromart actively supports invention and product development. Over the years Alan and Di Creasey have come into contact with people in the region that are associated with "green" building products & services, providing an invaluable base for networking and knowledge support. They are founding members of the Tropical Green Building Network and supported the launch of www.greenbuild.com.au as an extension to their marketing strategy. Enviromart supply a range of written material and reference documents free to the public. They also assist their customers to secure rebates and work with allied trades for installation.

Australian Projects

Currently supply products to 23 public and private schools in North Queensland and local governments including Townsville City Council , Cairns Regional Council and Kowanyama Aboriginal Shire Council.



Environment & Energy Systems



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Environment & Energy Systems is an air conditioning and an electrical contractor with a focus on tropical air conditioning systems, refrigeration, building management controls and automation.

Fields Of Commerce

Consulting
Design
Installation
Maintenance and servicing
Repair

Target Industries

Housing
Commercial properties
Hotels
Mining

Specialist Areas Of Tropical Expertise

Air conditioning
Building management systems
Automation
Window tinting
Ceiling insulation

Company Profile

Design, installation & servicing contractor for automated buildings, air conditioning, refrigeration and electrical equipment. Clients include mines, luxury hotels, luxury cruise ships and domestic clients.

Technologies & Capabilities

- Development of a zoned ducted air conditioning system that allows different temperatures in different rooms and allows rooms to be shut off without penalty. The system overcomes an inherent flaw in traditional multi-zoned systems that causes air distribution issues during periods of low load.
- Servicing and repairer of very large refrigeration compressors (1 MW or larger).
- Concealed air transport systems for air conditioning for luxury cruise ships and hotels.
- Dealer for Reliable Controls Building Automation BACnet Systems.
- Design, installation, programming, servicing and repair.

Company Background

Environment & Energy Systems commenced operations in 2000 as a small Heating Ventilation & Air Conditioning (HVAC) contractor servicing commercial buildings in Cairns. In 2007 a restructure and an increase in resources resulted in the company being awarded multi-million dollar projects for State and local Government departments and the creation of daily fly-in/ fly-out work response crews, with an increasing business focus on mining clients.

The company's workshops and administration are in Hartley St, Cairns and the readily accessible Cairns International & Domestic Airport is the ideal hub to easily transport workers and equipment throughout South East Asia, the Pacific and north eastern Australia.

In 2009 the company acquired the Reliable Controls dealership in North Queensland. This BACnet control system resulted in an increase in skills and created opportunities to refine designs in tropical Heating Ventilation Air Conditioning (HVAC) design giving rise to unparalleled performance and operating economy. The system also stimulated the creation of some unique applications in energy and water programs which are currently being developed.

In 2011 the company expanded to include a sales department focussed on the domestic market with a concentration on zoned ducted HVAC systems for domestic housing.



environment & energy
systems

Year Established

2007

Management Team

Richard Kowalski, Managing Director
James Baird, Operations Coordinator
Julie-Ann Standing, Accounts

Current Export Markets

Papua New Guinea

Target Export Markets

Papua New Guinea, New Zealand and Fiji

Type Of Export Business Sought

Direct export

Certificate & Quality Approvals

BSA Contractor Refrig A/C Unlim Design
1120194
BSA Contractor Plumbing & Drainage
1120194
BSA Builder Low Rise & Renovations 1120194
Electrical Contractor 68264

International Projects

- Lihir Island , PNG (Newcrest Mining) - Zone ducted A/C system - installation of a Process Control Centre.
- Lihir Island, PNG (Newcrest Mining) - 1.25 MW chiller compressor replacement Praxair Chiller
- Lihir Island, PNG (Newcrest Mining) - Report and repair A/C system on a floating power station barge
- Lihir Island, PNG (Newcrest Mining) - Carrier 23 XL screw compressor rebuild
- Nadi , Fiji (Captain Cook Cruises) - Repair A/C on cruise ship "Reef Escape"
- Auckland, NZ (Coral Princess Cruises) - Servicing & repair on cruise ship "Oceanic Discoverer"

Australian Projects

- \$1.4 M security upgrade for QHealth Central Western District accommodation and health centres
- Repairs and maintenance for QHealth Far Northern District accommodation, health centres and hospitals
- Repairs and maintenance of housing and Government facilities for QBuild at Kowanyama, Pormpuraaw, Lockhart River, Aurukun, Bamaga, Injinoo, New Mapoon, Umagico & Weipa
- Chiller control replacement McQuay Screw Chiller Holiday Inn – Cairns QLD
- A/C equipment and control upgrades Cairns Regional Council – Civic Theatre, Cairns



environment & energy
systems

Ergon Energy Corporation Ltd

Townsville Queensland Solar City



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Ergon Energy is the electricity distribution company for Northern Queensland. The Townsville Solar City Project is managed by the Energy Conservation and Demand Management Group within Ergon Energy. The Energy Conservation and Demand Management Group provides advice and program management to commercial & residential customers on energy efficiency and demand management.

Fields Of Commerce

Consulting
Power / electricity distribution
Research
Project, program management

Target Industries

Residential customers
Commercial incl Small & Medium Enterprises
Industrial
Mining
Agriculture
Public infrastructure

Company Profile

Ergon Energy is an electricity retailer to homes and businesses in regional Queensland. We also maintain and expand the regional Queensland electricity network.

Ergon Energy, as a Queensland Government owned corporation, operates as an electricity distributor, retailer and generator and services around 680 000 customers across its vast operating area of over one million square kilometres – 97% of the state of Queensland – from the expanding coastal and rural population centres to the remote communities of outback Queensland and the Torres Strait.

We are all about delivering on our purpose – “to enhance the economic and lifestyle aspirations of our customers through sustainable energy solutions”. To make this happen, Ergon Energy has around 4600 employees and a total asset base of \$8.7 billion

Ergon Energy’s electricity network consists of approximately 150 000 kilometres of power lines and one million power poles, along with associated infrastructure such as major substations and power transformers. We also own and operate 33 stand-alone power stations that provide supply to isolated communities across Queensland which are not connected to the main electricity grid. Since August 2007, Ergon Energy has owned and operated the Barcaldine gas-fired power station along with its associated infrastructure. The power station supplies power to the main grid.

Ergon Energy is a major contributor to the development of skills across regional Queensland. We also take our social responsibility seriously by partnering with the communities we serve.

We are one of Australia’s largest purchasers of renewable energy and are actively involved in alternative energy generation solutions.

Technologies & Capabilities

The Energy Conservation and Demand Management Group of Ergon Energy engage with the community and energy customers to provide a program of motivation to co-create value for the customer through minimising energy use for the customer and minimising the need for new infrastructure in the energy distribution network. Our activities include creating a community culture supportive of energy efficiency measures; offering home consultations for residential customers and energy audits for business customers; creating programs for the customer to improve their energy efficiency; installation of large and small solar arrays; development of new methods of communicating and inspiring action for energy efficient behaviours including for example programs for engaging with school children in remote areas.



Year Established

2000

Specialist Areas Of Tropical Expertise

Energy efficiency advice for residential, commercial and industrial clients in a tropical environment.

Renewable energy generation in a tropical climate - solar in particular.

Efficient and smart distribution of electricity.

Management Team

Dave Heberlien, General Manager, Energy Conservation and Demand Management, Ergon Energy.

Ian Cruickshank, Manager, Townsville Solar City Project.

Julie Heath, Community Engagement Manager, Townsville Solar City Project.

Awards

- 2011 - Winner International Association for Public Participation Australasian Branch – Queensland Project of the Year
- 2011 - Finalist Community Relations category – Queensland, Public Relations Institute of Australia (PRIA)
- 2010 - Winner Australian Marketing Institute Green Marketing Award for Excellence
- 2010 - Winner Public Relations Institute of Australia (PRIA) Environmental Award for Excellence – Queensland
- 2008 - Winner Queensland Tidy Towns Sustainability Category and Keep Australia Beautiful Sustainable Cities Community Action

Company Background

Ergon Energy commenced in 2000 as an amalgamation of seven retail and distribution companies.

The Energy Conservation and Demand Management Group of Ergon Energy was born in mid 2005 in response to growing electricity demand and a need to slow expensive electricity distribution infrastructure rollout.

The Townsville Solar City Project bid was awarded by the Federal Government in 2007 to an Ergon Energy led consortium which also included the Townsville City Council. The \$30 million project is funded by the federal government together with the participating parties.

Australian Projects

The Townsville Solar City Project:

The Townsville Queensland Solar City Project is part of the Australian Government's leading-edge Solar Cities program, which aims to trial new, sustainable models for electricity supply. The project has incorporated a range of initiatives to reduce wasteful energy usage, increase solar energy usage and cut greenhouse gas emissions by more than 50,000 tonnes. Ergon Energy leads the project consortium and has also developed the flagship project initiative, the Magnetic Island Solar Suburb transformation, in addition to the iconic solar photovoltaic installation at the Townsville RSL stadium. Delfin Lend Lease, Honeycombes Property Group, Chester Holdings and Cafalo Ptd Ltd are all looking at solar energy and energy efficiency applications in property developments. Townsville City Council's Citysolar community capacity building and education program underpins and strengthens all the project initiatives.

Ergon Energy's powersavvy program:

This program is helping people in Queensland's remote and isolated communities to be smart with their choices about how they use electricity so they can save money and reduce their environmental impact

James Cook University Off peak Chiller:

This project is providing cost efficient air conditioning to the entire university campus with a reduction in peak demand energy use.

Power-factor correction in industries in Townsville:

Energy efficiency in commercial businesses has yielded improved energy efficiency within commercial businesses and avoided significant infrastructure upgrades for the electricity distributor.

Annandale Stadium Solar Power Station:

330 kW solar array producing power equivalent to 66 houses.



Evolve Energy



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Engineering consulting firm assisting commercial, industrial and energy utility clients with energy efficiency and renewable energy solutions.

Fields Of Commerce

Engineering consultancy services
Research and development

Target Industries

Evolve Energy provides energy solutions for commercial, industrial, energy sector utilities and domestic sectors.

Specialist Areas Of Tropical Expertise

Solar photovoltaics solutions
Remote area power-supply
Development and implementation of energy efficiency programs designed for tropical locations

Company Profile

Evolve Energy is an energy services business that assists domestic, commercial and industrial clients who have “the will” to act more sustainably with energy usage but do not possess the engineering capability required to identify and implement actions. We do this by providing:

- Energy savings plans
- Sustainable energy solutions
- Energy asset management
- Energy consulting

The company provides independent advice on all aspects of energy generation and energy usage utilising the knowledge and experience gained by providing solutions in this area for over 15 years.

We are actively involved in continuing professional development programs which enable us to maintain current knowledge of industry standards and trends, while keeping abreast of legislative changes affecting the industry.

We have a large and varied industry contact base ensuring access to information on a range of new technology, systems, materials and designs to develop and deliver “best practice” triple bottom line solutions.

Technologies & Capabilities

Energy Savings Plans

Evolve Energy develops energy savings plans for domestic, commercial or industrial customers which include:

- A list of actions indicating the cost to implement, the financial and emissions savings and the payback period
- A life cycle cost comparison indicating when the plan will start to save money

Sustainable Energy Solutions

Evolve Energy can implement the actions identified in the Energy Savings Plans. We have demonstrated engineering experience in energy efficiency design and the application of existing and emerging sustainable energy technologies including solar, wind, geothermal, biofuels, hydro, gas and hydrogen. We can therefore apply technologies that are well engineered and can deliver the required outcomes. We have access to professional suppliers and installers who have demonstrated quality work in the past thus preventing the event of solutions not performing to your expectations.

Energy Asset Management

Once your systems have been optimised we can provide ongoing management with detailed capital works plans, maintenance plans and/or operation plans.

These plans will set out when work is required and detail the type of work to ensure your energy systems and appliances perform and deliver the best life cycle cost outcome. You will have a clear understanding of your future expenses and can leave it up to our professional team to advise you when work is required.

Year Established

2007

Management Team

David Smyth , Director
Grant Behrendorff, Director

Current Export Markets

Consultancy services to:

USA
Taiwan
China
India
Pacific Islands

Type Of Export Business Sought

Partnership

Certificate & Quality Approvals

Clean Energy Council of Australia Approved
Renewable Energy Installer
Accredited ecoBiz facilitator for the Queensland Department of Environment and Resource Management
Engineers Australia - Member
Energy Efficiency Council - Member

Technology or Patent Ownership

Patents associated with Polepower® technology

Awards

Engineers Australia Sir William Hudson Engineering Excellence Award 2011
Engineers Australia - Technologist of the Year 2007
Queensland Government Big Idea Award 2011
Eco Innovation Award, Tropical Innovation Awards 2010
A variety of business awards

Technologies & Capabilities Cont.

Energy Consulting

If you require an energy specialist to work with you for a short or long term, solely focused on a particular task, we can also provide this for you.

Company Background

Evolve Energy was established in December 2007 to meet the growing need to reduce energy costs and harmful emissions. Clients who seek our assistance understand the benefits of sustainability and the need for professional engineering expertise to develop and deliver optimum solutions.

Within 12 months of operating, Evolve Energy received recognition for the quality and professionalism of services by being awarded State finalist in the 2008 Commonwealth Bank Small Business Champions awards.

The company directors have been involved in the energy sector for over 20 years and are recognised industry leaders in the area of energy efficiency and renewable energy solutions.

International Projects

Project Director for Bushlight India.

Grant Behrendorff, a director of Evolve Energy, was engaged by CAT Projects to develop and lead the Bushlight India project in the role of Project Director for the 2 ½ year duration of the project.

The Bushlight India Project was awarded the Engineers Australia Sir William Hudson Engineering Excellence award in 2011, which is the highest accolade Engineers Australia provide for a project in that year.

Australian Projects

- Chair – Alice Springs Solar Cities Project, Australia
- Polepower® demonstration project, Magnetic Island
- Grid Smart PV AC Solar module demonstration project – Townsville
- Preparation of Isolated Systems Strategy for the provision of electricity in the isolated communities in Queensland, Australia
- Preparation of technical specification for the procurement of Roof Top Photovoltaic system components
- Preparation of discussion paper on power purchase agreements
- Technical support documentation for wind and solar technologies
- Technical support documentation for integration of renewable energy with isolated diesel generation systems
- Technical and financial assessment of renewable energy grant funding applications for state government
- Develop and manage community wide energy efficiency program aimed at reducing electricity use in three remote Queensland towns by up to 20%
- Energy Assessments Mt Isa - Evolve Energy has recently completed a series of energy audits for some of Ergon Energy's largest customers in Mt Isa, including Xstrata, Mt Isa Airport, Mt Isa Hospital, The Irish Club, The Buffs Club and the All Seasons Hotel.

Ezeboard Australia



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EzeBoard™ Australia has developed a building system for housing that uses renewable and natural resources and minimal energy for its manufacturing and construction processes.

EzeBoard™ which utilises bamboo, bagasse and perlite has innate strength and durability and provides great benefits over the full life cycle of a dwelling.

Alliances formed to develop the product are providing indigenous communities in tropical Australia with remote housing solutions and employment opportunities.

Financial support is being sought to establish manufacturing of the products in Far North Queensland.

Fields Of Commerce

Manufacturing

Target Industries

Housing for mining towns
Housing for indigenous communities
Social housing

Specialist Areas Of Tropical Expertise

Building Systems

Company Profile

Ezeboard Australia has spent the past 10 years developing a product that contributes towards the housing challenges facing the world. Ezeboard Australia is currently seeking support, including financial support, to establish full scale manufacturing of this new sustainable product range in Far North Queensland.

Technologies & Capabilities

EzeBoard™ composite materials are a fusion of bamboo fibre, bagasse and expanded perlite combined under pressure and heat and bonded using marine grade phenol formaldehyde and **EcoAdd**.

EcoAdd is a naturally derived resin additive developed to modify formaldehyde and generate important characteristics that enables the dissimilar natural elements to combine as a unified product. The EcoAdd resin additive offers substantial physical advantages including increased strength, internal bond and screw holding ability. It also significantly lowers formaldehyde emissions.

Bamboo is a very robust natural fibre source and is used to strengthen EzeBoard™ building materials. Together with the expanded perlite and bagasse, the mix creates very resilient products that have extraordinary termite resistance, high fire ratings, thermal and sound insulation, moisture resistance properties and environmental performance.

- The inclusion of expanded perlite in EzeBoard Wall Modules dramatically slows the impact of fire.
- EzeBoard™ products are intrinsically resistant to termites and have been successfully tested by the CSIRO for termite resistance including long-term field tests for the *Mastotermes darwiniensis* (Great Northern Termite) that exist in all northern states of Australia.
- All EzeBoard™ products have excellent weather and moisture resistance and have been subjected to exhaustive tests for strength and swelling formally and in construction projects in tropical Australia.
- All of the fibre raw materials used in the manufacture of both EzeBoard Modular Wall systems and EzeBoard™ additive are highly renewable resources. The composite nature of the product minimises raw materials wastage during manufacture.

EzeBoard™ Engineered Modular Wall Systems are based on adaptable modules that are easily transported, erected and installed on site. The installed modules form an intact whole-wall assembly that requires neither internal structural framework.

The EzeBoard™ Wall Modules provide a complete load bearing wall system. The widths of doors and window fittings are designated in multiples of 600 mm to fit efficiently into the modular construction system. Sub walls for windows and lintels for doors and windows are manufactured and supplied in dimensions according to planned wall heights and selected fittings.



Year Established

2001

Management Team

John Benson, Managing Director
Cam Seecombe, Director of Research and Development
David Hawke, Marketing
Andrew Benson, Manufacturing Manager
Professor Bambang Prasetya, Creator of EcoAd
David Humphrey, Structural Engineer
Kim Kersh, Product Design Development
Peter Swain, Accountant

Current Export Markets

Australia
Indonesia

Target Export Markets

China & USA
Australia & New Zealand
Other developing countries

Certificate & Quality Approvals

- BCA Compliant and cyclone tested
- CSIRO termite tested: Report CMSE (C/2009/405)
- Wet weather resistance: AS/NZS4266.8 ; 2004 Swelling thickness after immersion in water and AS/NZS4266.10 Wet Bending Strength.
- Structural: Seccombe, C 2010. Test Report, EzeBoard Wall System / Structural Testing.
- SAI Global Audited and MSDS Complete
- Fire Rate tested

Technology or Patent Ownerships

Patent applications:
International (PCT): Title: Production of perlite and fiber based composite panel board.
Application No.:PCT/AU2010/000761 Publication No.:WO/2010/144969

A granted Australian patent for a composite board is: Title: Process for production of perlite fibre composite panel board. Patent No.: AU 774061-B

Company Background

Ezeboard™ has been 10 years in the making.

EzeBoard Australia is a company formed by Professor Bambang Prasetya in partnership with Remote Housing Australia.

The journey began in the laboratories and classrooms of Professor Bambang Prasetya - the creator of EcoAdd in Indonesia. Then, the testing grounds of three very different particle board factories, then the laboratories of Mutu Agung Lestari and government testing facilities of PUSPITEK and LIPI.

Ezeboard Australia has been furthering the testing, certification and development of the Ezeboard products in Australia with the assistance of BlueScope Steel and others.

Trial production runs from a factory in Indonesia has enabled the construction of a small number of trial homes in challenging locations in both Indonesia (Parung - Bogor, Java) and Australia, specifically in the Australian Aboriginal communities of Djarragun (built in collaboration with Djarragun College and Djarragun Enterprises, based in Gordonvale south of Cairns) and Batchelor in the Northern Territory.

Due to the region's excellent proximity to the key raw materials, Far North Queensland has been identified as an ideal location from which to manufacture the Ezeboard™ products.

In alliance with the Balkanu Cape York Corporation, Remote Housing Australia has completed a full feasibility study into the establishment of a totally integrated industry to manufacture EzeBoard™ in Cape York. This industry incorporates bamboo plantations, perlite mining and manufacture, offering sustainable jobs for indigenous Australians.

Ezeboard Australia is currently seeking support, including financial support, to establish full scale manufacturing of this new sustainable product range in Far North Queensland.

International Projects

Trial Housing, Parung - Bogor, Java, Indonesia

Australian Projects

- Trial housing has been constructed at Batchelor in The Northern Territory.
- The EzeBoard™ team, Remote Housing Australia, Djarragun College and Djarragun Enterprises have collaborated in a demonstration project which has been placed in the grounds of Djarragun College in Gordonvale south of Cairns. Students from the College have been the first indigenous students to assist in the erection of the unique Ezeboard housing system.
- Housing has also been constructed on Palm Island, North Queensland.



Farley Electrical Technologies

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Farley Electrical Technologies provide quality specialised electrical services to the Townsville area.

We are the first accredited and longest serving renewable energy provider in Townsville.

Fields Of Commerce

Specialist electrical contractor - Industrial, Power generation, Process control, Instrumentation, Industrial electronics, Solar systems

Target Industries

Manufacturing and processing industries
Commercial renewable energy sector

Specialist Areas Of Tropical Expertise

- All Energy efficient products including solar hot water, solar power, stand-alone and off grid power systems
- Measurement of energy
- Instrumentation for flow, pressure, valves, measurement
- Standby power generation

Company Profile

Farley Electrical Technologies are a provider of specialist electrical contracting services for industry, power generation, process control, instrumentation, industrial electronics and commercial renewable energy systems.

Our services are catered to businesses who want detailed and thorough job outcomes.

We generally take on specialist projects that other companies do not have the skills to complete as we also offer the services of electronic technicians and process control service technicians.

We are able to deliver services quicker and at less cost to the consumer than the "run of the mill" electrical company. When you ask us to perform for your business, we set out to achieve the best outcomes based on the following criteria:

- The solution based on the best long term result suitable for the job
- The options available at the time which can let you choose which best suit your needs
- The outcome delivered to best utilise the chosen option

We do not suggest work that does not need attention.

We do not look to create extra work for our business because we think you may spend more.

Technologies & Capabilities

- Industrial automation and controls
- PLC and variable speed drives - sales and service
- PLC and computer controlled machine systems support
- Process instrumentation and valves - sales and service
- Real experience in high speed production and machine control
- Complete production support
- Industrial electronic service
- Standby power generation - sales and service
- Solar power and solar hot water - sales and service
- Remote and off grid power (stand-alone systems)
- All electrical contracting
- Installation of industrial safety systems using the latest technology
- Installation and maintenance of water treatment plants and pumps of all sizes



Year Established

2007

Management Team

Farley Jerinic, Owner & Manager
Colleen Jerinic, Owner & Manager, Administration, Marketing

Certificate & Quality Approvals

Dedicated safety system

Awards

- North Queensland Electrical Contractors Association, Smart Wiring Award 2009 (for combined renewable energy system)
- North Queensland Electrical Contractors Association, Innovative Safety Award 2010 – Machine safety control system

Company Background

Owner Farley Jerinic was inspired to create a business built on customer satisfaction and trust, specifically for customers who want quality and know the benefits.

Farley has over twenty years experience in high speed manufacturing industries throughout Australia. Including at the Ford Motor Company in Geelong, Victoria, where experience was gained in high speed production process including casting, machining, and assembly of engine components, pressing of panels and automated production.

Progression to the Ford test and development section for six years saw experience gained in electronics laboratories where, engine testing, chassis testing, dynamometer testing, emission testing, durability testing, and instrument calibration and repair to component level means we can go further than the average sparky.

From here the experience grew to plastics extrusion, high speed packaging, standby power generation, and electronic service of industrial control systems.

Progression through learning is still adhered to with accreditation gained in the following: Solar, renewable energy, design and CAD drafting.



Finlay Constructions

T/AS Finlay Homes



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Finlay Constructions, trading as Finlay Homes, are leaders in providing innovative, on trend, lifestyle enhancing, quality built, energy efficient, sustainable homes across a range of housing affordabilities.

Finlay Constructions have operations in Townsville and Cairns.

Fields Of Commerce

Housing construction
Housing design

Target Industries

New home construction

Specialist Areas Of Tropical Expertise

Sustainable housing design
Sustainable housing construction

Company Profile

A family operated company, Finlay Constructions has maintained a long reputation as a quality North Queensland home builder by providing distinctive homes, exceptional customer service and attention to detail over many years.

With their sights firmly focused on the future, Finlay Homes provides their clients with the latest trends, technologies and sustainability principles.

Finlay Constructions have three housing ranges: their top of the line, custom designed "Sanctuary Homes by Design"; their "Finlay Homes" - quality built designs; and a more affordable home option delivered via their subsidiary company 'Fusion Future Smart Homes' where clients get "more house for less money".

Sustainability principles are strongly adopted across all three housing ranges.

Finlay Homes design and build "Homes For Life".

Technologies & Capabilities

Finlay Homes are leaders in understanding and providing quality innovative housing solutions to our clients satisfaction.

Our business philosophy is based around having a passion for bringing together a collaboration of industry partners to inspire a creative environment for shared success.

Finlay Homes offers an array of new home solutions ranging from custom designs to investment properties, sustainable homes and everything in between.

Clients are invited to visit one of several new display homes or speak with our helpful consultants to view our extensive plan range today.

The company's team of specialist staff can guide buyers along every step of the building process, from initial concepts through to completion.



Year Established

2004

Management Team

Darren Finlay, Managing Director
Angelo Augustis, Construction Manager
Ross Goldsack, Project Manager
Kellie Owens, Administration Manager
Douglas Cowan, Sales Manager

Certificate & Quality Approvals

BSA Registered Builder
Accredited HIA GreenSmart Builder

Awards

Finlay Homes are a multi-award winning North Queensland home builder across a diversity of award categories.

Highlights include being awarded on multiple occasions, the HIA-CSR Northern Queensland Home of the Year Award and Master Builders Association North Queensland Home of the Year Awards.

Company Background

For more than 50 years the Finlay family has built one of the most reputable and trusted names in North Queensland's building industry.

From father Reg Finlay's first day on the job in 1950 until today, with son Darren Finlay at the helm of Finlay Homes, the family has overseen the construction of hundreds of quality houses.

Finlay Homes have major operations in Townsville and Cairns.

Managing Director, Darren Finlay is Regional President of the HIA North Queensland.

With their focus on the future, Finlay Homes are providing leadership for the delivery of sustainable homes in the Townsville and North Queensland region.

Australian Projects

Finlay Homes have built hundreds of quality built homes throughout North Queensland primarily in the Townsville region.

They currently have display homes at the following developments in Townsville: North Shore (Burdell), Sanctum (Mt Low), Liberty Rise (Mt Louisa) and in Cairns (Smithfield).

Finlay Homes is currently developing a future paced display home that will be designed and marketed with a view to educating and influencing new home buying behaviour in the North Queensland region towards more environmentally sustainable and future paced home designs and features.



FORCE 10 North Queensland

Colabie Pty Ltd



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Force 10 North Queensland is a supplier of the Force 10 International Building System of prefabricated, high quality, precision engineered, prefabricated, cyclone resistant buildings. Additional services available include: project planning, cost estimates, building services, site works.

Fields Of Commerce

Prefabricated Building Supply
Building Project Planning and Management
Engineering Consulting

Target Industries

Mining
Housing
Public buildings
Schools

Specialist Areas Of Tropical Expertise

- Energy Efficient house construction
- Energy Efficient building construction
- Building elements designed and tested for category 5 cyclone conditions
- Building System appropriate for tropical architecture
- Steel structure not impacted by termites and borers. Very little timber in building system.

Company Profile

Force 10 North Queensland is an Authorised Dealer for the Force 10 Engineered Building System and provide engineering and total construction solutions for Force 10 buildings.

The Force 10 Building System is an Australian owned, developed and unmanufactured product, manufactured exclusively in Brisbane by Force 10 International. Force 10 International has built over 3,000 buildings in some of the most cyclone-prone zones all over the world without ever losing a roof.

Force 10 North Queensland are based in Townsville, the regional hub of North Queensland servicing central, western and northern Queensland.

Technologies & Capabilities

- Custom steel framed homes and buildings
- Modular building system
- Integrated floor/wall/roof
- Prefabricated insulated panels
- Precisely engineered, systematically planned, factory manufactured
- Easily constructed anywhere
- Easily transported (flat packed)
- Single delivery for all components, simplifies logistics
- Minimal on-site work and minimal on-site skill requirement
- Fast construction time, 50% faster construct than traditional
- Minimal onsite disturbance possible
- Cost competitive compared to other houses built to a similar engineering standard
- Minimal wastage in construction due to precision engineering and factory built
- Minimal use of concrete
- Energy ratings up to 9.5 stars achieved, comfortable in summer and winter
- Low VOC emissions
- Extremely strong and resistant to Cyclones, Floods and Termites
- Certified for cyclonic and seismic conditions
- Certified Fire Resistant to the highest level in Australia (Bushfire attack level "Flame Zone" / flood tolerant
- Flexible designs – we will build to your design or choose a house from our standard range
- Flexible approach – we will build your new home/building to 'turn- key' or alternatively, if you want to minimise your costs and participate in the build, we will build the basic frame to 'lock up'.



Year Established

2009

Management Team

Peter Chapman, Director, Force 10 North Queensland
Adrian Murphy, CEO, Force 10 International
Alan Collins, Sales Manager

Current Export Markets

PNG
New Caledonia
Fiji
Tahiti
Virgin Islands

Target Export Markets

PNG, Pacific Islands

Type Of Export Business Sought

Direct, Joint Venture, Licencing

Certificate & Quality Approvals

- The FORCE 10 System is CODE Certified to all Australian Standards and the Building Code of Australia
- Certified Quality Assurance System

Technology or Patent Ownership

FORCE 10 Building System

Company Background

The Engineered Building system began development in the late 1980's as an alternative to timber framed housing, which heralded the beginning of integrated Floor, Wall and Roof engineered building systems. This system has been further refined to produce a unique construction method utilising the very latest environmentally friendly materials.

Over the years almost \$20 million has been spent in Research and Development to develop a complete system with a number of key qualities including: strength; robustness; ability to be built rapidly by semi-skilled people; flexibility in size and design; excellent insulation; termite-proof; completeness so that all the materials down to the smallest screw are delivered in one shipment.

International Projects

Force 10 International Pty Ltd has exported its engineered building system to over 30 countries across the world, including Papua New Guinea, New Caledonia, the Pacific Islands, Caribbean, US Territories (Saipan, Guam, Kosrae, Pohnpei), Mainland USA (South Carolina, Mississippi, Louisiana) as well as Hawaii, Fiji, Tahiti, Vanuatu, Taiwan, Japan, Seychelles, Korea, and the Middle East (UAE).

One recent example is a 1400 bed, mining camp accommodation in Tarmadigi, PNG.

Australian Projects

Examples include:

- Djarragun College, Cairns - single and double storey classroom buildings
- Christmas Island Drumsite Village Accommodation - Eight, two-storey, 2 & 3 bedroom dwellings, brief specified high environmental and tropical lifestyle standards. Client: Australian Government of Regional Development
- Guthalinga Aboriginal Community, Northern Territory. Detached houses. Designed for climate and special cultural needs.
- Weipa Motel, Weipa, Far North Queensland - two-storey, 40 room motel complex. Design and build. Build completed in 4 months.
- Numerous single and double storey residential dwellings



Galaxy - Lights for Less



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Galaxy- Lights for Less is a major distributor of lighting and fans (wholesale & retail), stocking a unique range of products specifically designed for North Queensland's tropical conditions with a team that is renown for their product knowledge in a tropical environment.

Fields Of Commerce

Specifications of manufacture
Consulting
Research
Wholesale
Retail

Target Industries

Domestic housing
Commercial
Mining
Public infrastructure

Specialist Areas Of Tropical Expertise

- Energy saving lighting including LED technology.
- Energy saving fans.
- Specification of fittings and systems that are suitable for tropical conditions and remote locations.
- Supply of light and fan fittings specially modified for high performance in tropical conditions

Company Profile

Galaxy- Lights for Less is a major distributor for over 100 leading Australian lighting and fan importers, as well as having the unique Galaxy range of products specifically designed for tropical North Queensland conditions.

With the emphasis on energy efficiency and latest trends, Galaxy sets a new dimension in lighting and with the buying capacity of many sister stores throughout Queensland, Galaxy prices are extremely competitive.

Galaxy products are chosen for their outstanding quality and customers & clients benefit from the research & development invested into the range that is available.

The team provides lighting solutions for projects from the Mackay region to the Torres Strait Islands including many remote communities for residential, retail, commercial, industrial and public buildings.

Galaxy is a business based in North Queensland providing a service backed by community values. Customers and clients have easy access to the first class service from a caring team that can be trusted to provide the best lighting and fan solutions for any building project.

Technologies & Capabilities

The most up to date LED lighting technology is available and LED products have been specially chosen to suit the tropics in terms of energy efficiency, quality and maintenance.

LEDs (Light Emitting Diodes) can substantially increase energy efficiency and rapid growth in product availability has resulted in many new products on the Australian market. Some under performing LEDs are not living up to supplier's claims and this has the potential to delay or otherwise compromise the substantial energy savings potential. The experience and expertise at Galaxy Lighting can be relied upon for genuine quality product giving you market leading advantages for your building projects.

Galaxy stock the "Cyclone" series of fans - fans specially designed for the tropics.

Research, development and manufacturing improvements unique to products supplied by Galaxy Lighting is backed by years of experience in delivering product and service in Tropical North Queensland.



Year Established

1994

Management Team

Charles Paganini, CEO/ Director
Lisa Paganini, Manager
Rory Condon, IT/ Marketing
Lorraine Paganini, Director

Current Export Markets

Papua New Guinea

Target Export Markets

Fiji
Solomon Islands

Type Of Export Business Sought

Joint venture
Partnership

Technologies & Capabilities Cont.

Experience with products including metal performance, casings, cooling, humidity, mountings, sealants and pest resilience provide clients with invaluable assurance that quality and real cost savings are delivered.

Galaxy Lighting provide an inhouse consultancy for electrical plans and the specification of fittings for building projects. The design of the electrical plans considers the tropical climate, maximising energy performance, the buildings life cycle costs, maintenance and safety.

Company Background

Galaxy Lighting is a locally owned business operated by Charles and Lorraine Paganini who have 35 years experience in electrical contracting and installation. Their team of professionals are highly qualified and renowned for their product knowledge and excellence in design. Charles and Lorraine Paganini together with their team at Galaxy are passionate about lighting.



Gateway Constructions



ABN 11 078 363 729
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Web www.gatewayconstructions.com.au
Address 139-143 Hartley St
Cairns QLD 4870

Gateway Constructions build environmentally sustainable and energy efficient modular, transportable and prefabricated homes, designed to meet the demands of a range of locations and climates.

Fields Of Commerce

Construction
Manufacturing
Housing

Target Industries

Construction
Tourist facilities and resorts
Mining
Commercial buildings
Housing

Specialist Areas Of Tropical Expertise

Passive solar design
Breathable wall systems

Company Profile

Gateway Constructions combines architectural, engineering and construction expertise allowing us to manufacture quality preassembled and modular transportable buildings using a unique construction system tailored to meet a range of environmental conditions and client requirements.

We use a combination of sustainable design principles and environmentally friendly building materials to produce a range of multi-purpose building and accommodation types - from single room granny flats, resort accommodation complexes, shopping centres, workers huts, residential homes and million dollar pavilion style homes to a wide range of custom designed projects.

Our buildings are prefabricated within one of our factories and have numerous advantages over traditional construction approaches. Buildings can be produced in a matter of weeks, not months, there are almost no delays due to bad weather and on-site construction takes only a few days. With the majority of construction taking place in our factories our waste is easily recycled and the environmental impact of on-site construction is significantly reduced.

Technologies & Capabilities

Our patented modular construction system allows us to manufacture buildings within our factory and transport them as either fully constructed, ready to use buildings or flat packed to be delivered and installed on site by our specialist team.

Our patented construction system enables us to work on several projects at differing stages of manufacture at the one time, meaning our factory is in constant operation and our clients are able to have buildings completed on site and ready to move into within a much shorter time frame than traditional building methods.



Year Established

2006

Management Team

Jim & Penny Margach, Managing Directors
James Margach, IT Manager & Director of
Gateway Homes

Adam Dunne, Sales & Marketing Manager
Shelley Zoia, HR, Office & Project Manage-
ment

Trudi Margach, Quality Management

Type Of Export Business Sought

Licencing

Technology or Patent Ownership

Modular construction system

Awards

2011 HIA Cairns & North QLD Spec Home of
the Year

2011 HIA Cairns & North QLD Energy Effi-
ciency

2010 & 2008 HIA Australian GreenSmart Sus-
tainable House Finalist

2008 HIA Australian GreenSmart Award En-
ergy Efficiency

2008 HIA Australian Project Home of the Year

Company Background

Gateway Constructions was founded by Jim and Penny Margach, who have over 35 years experience in the construction industry. They combined their knowledge with renowned architect, Gabriele Poole, who has significant expertise in sustainable and affordable design, and together developed a unique building system that offers the benefits of sustainability and optimal thermal performance and has the added advantage of being transportable.

Jim & Penny Margach continue to manage and oversee the business, together with their four children and a complement of experienced, qualified and enthusiastic staff.

Australian Projects

We have completed a number of projects across Australia for both private residential & commercial clients.

Our recently completed private residential projects include a multi-storey custom high set house which has won both local and regional HIA Spec Home of the Year and Energy Efficiency awards, several custom high set and pavilion design residences and a number of homes in our standard design range.

We have recently completed commercial projects including the construction of:

- Medical facilities for the Department of Defence (Townsville)
- Supermarkets, accommodation & offices for IBIS (Torres Strait Islands)
- Multiple ranger residences for QLD Parks and Wildlife Services
- Mossman & Hopevale Wellbeing Centres
- Adaptable housing for Mackay Regional Council
- Accommodation facilities for the Bureau of Meteorology in Tennant Creek (NT).



GHD Pty Ltd



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GHD is an international network of engineers, architects and environmental scientists serving clients in the global markets of water, energy and resources, environment, property and buildings and transportation.

Fields Of Commerce

Consulting
Research & innovation
Engineering design, documentation & specification
Engineering studies & reporting
Project management

Target Industries

Water
Environment
Transportation
Energy and resources
Property and buildings

Specialist Areas Of Tropical Expertise

Specialist HVAC design for tropical humid regions
District cooling systems incorporating thermal energy storage
Energy efficient design for buildings in the tropics
Performative Design & Modelling.



Company Profile

The continued development and regeneration of our communities requires sophisticated planning, design and growth management approaches. GHD delivers seamless solutions that incorporate planning, architecture and engineering services to help clients maximise returns on capital investments, improve sustainability and meet legislative requirements and complex stakeholder demands.

GHD is at the forefront of the water industry, delivering sustainable water solutions across the globe, covering every element of the water cycle for urban, rural and industrial water applications.

Pressure to manage the impacts of developments on our natural resources is growing. GHD offers practical solutions to protect biodiversity and provide economic and social stability to accelerate compliance and drive competitive advantage.

Getting the right priorities in place to deliver efficient, reliable and well-planned transportation systems are fundamental to a community's economic prosperity and quality of life.

Characterised by price volatility, margin pressure and regulatory changes, the biggest challenge for the energy and resources industry is to continually adapt the speed and efficiency of production and distribution to the peaks and troughs of demand - while investing in renewable resource options, sustainable supply and use.

Whether you seek to explore feasibility, improve performance, expand or investigate new technology, access complex technical answers to extract and deliver, generate, transmit, distribute and recover a diverse range of energy and resources economically.

We help clients access the latest, most effective techniques and technologies, tailored to unique operating environments.

Technologies and Capabilities

GHD engineers, architects and environmental scientists are capably serving clients in the global markets of water, energy and resources, environment, property and buildings and transportation.

The GHD world wide practice has technology, equipment and software applications that are at the forefront of emerging technology. This includes 3D modelling software applications and pre-visualisation rendering applications, sound level measuring and recoding instrumentation and various engineering implementation for sampling and recoding environmental parameters.

Year Established

1928

Management Team

Ian Shepherd, CEO
Russell Board, Chairman

Current Export Markets

Asia
New Zealand
Europe
United Kingdom
Middle East
Americas

Target Export Markets

Asia
New Zealand
Europe
United Kingdom
Middle East
Americas

Type Of Export Business Sought

Direct export

Technologies and Capabilities Cont.

Engineering for Sustainability

The merger of MGF Consultants (NQ) Pty Ltd with GHD in December, 2011 has significantly increased GHD's capability in North Queensland to deliver innovative engineering solutions aimed at improving our ecological sustainability. As a result of the merger, GHD's track record for innovation excellence now includes:

District Cooling using Stratified Chilled Water Thermal Energy Storage

With electricity tariff reform on the agenda and the forecast exponential rise in electricity prices, district cooling offers attractive returns for large scale users through peak electrical demand reduction. District cooling systems defer capex through maximising utilisation of existing infrastructure and can reduce peak demand by in excess of 50% by limiting chiller plant operation to 'off peak' periods. Reduction in demand charges and operational savings by centralising chiller plant equates to triple bottom line savings in university campuses, commercial and industrial developments, and in fact any application where de-coupling of the link between electrical demand and cooling demand has potential for savings.

Green Star Developments

GHD's Green Star capability now boasts Australia's first 6 Star Green Star Office building constructed in the tropics, through the delivery of William McCormack Place Stage 2. The 10,000m² NLA Government accommodation office completed in 2010 was recently awarded the 2011 Queensland Premiers Climate Smart Award for the Built Environment. To achieve World's Best Practice in regional tropical Australia required the culmination of an extensive portfolio of innovative initiatives including stratified chilled water thermal energy storage, co-generation capability, innovative daylight harvesting technologies, photovoltaic power generation, enthalpy heat exchangers plus many other complimentary technologies were integrated to deliver unprecedented performance in the tropics.

GHD recognise that continual investment in developing our capability in the delivery of tropical green buildings and infrastructure projects will make a positive contribution to climate change and ensure GHD remain at the forefront of design excellence in sustainability.

International Projects

GHD have carried out an extensive number of projects in countries with tropical climates including India, Indonesia, Papua New Guinea, Southern China, Philippines and Chile.

Australian Projects

GHD have been responsible for many of Australia's most significant projects in every facet of engineering. Our experience in pioneering technologies for tropical locations which improve our way of life and reduce our environmental impact is extensive, providing us with the knowledge and skills, to develop solutions which apply appropriate technology to today's engineering challenges. We have an extensive portfolio of projects throughout every region of Australia.



Gilboy Hydraulic Solutions



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North Cairns QLD 4870

Gilboy Hydraulic Solutions provides design, documentation and supervision of building hydraulic services. This is building plumbing systems including hot and cold water, sewerage, fire hydrants, fire hose reels, fire sprinkler and fire extinguishers, LP gas systems, storm water and irrigation systems. We service commercial, residential, hospital, industrial, retail, tourist and institutional developments.

Fields Of Commerce

Consulting
Design and documentation
Construction supervision

Target Industries

Residential, Accommodation, Hospital, Institutional, Educational, Commercial, Industrial

Specialist Areas Of Tropical Expertise

Rainfall capture and water reuse systems
Sewerage treatment & water balances
Landscape irrigation systems
Stormwater drainage & dispersal systems
Insurance reports on cyclone damage
Hot water system analysis and reviews

Company Profile

Gilboy Hydraulic Solutions is seen as a leader in the field of building hydraulics in the region and has over 80 years combined staff experience in the plumbing industry and as building hydraulic services consultants.

Our commitment to leading edge engineering design enables practical cost effective solutions to be made in areas where the unachievable is made possible. Our experience and working knowledge of office, residential, commercial, hospital and institutional developments is crucial in ensuring client's requirements are met and the end user satisfaction is guaranteed.

At Gilboy Hydraulic Solutions we achieve this in a professional fun way, using integrity, creativity and innovation, whilst maintaining happy staff with high family values and life balances.

Through the development of systems and training we aim to grow this business to a self sustainable, profitable entity that empowers the team to operate effectively, autonomously and with the confidence to pursue their careers as a unified team now and well into the future.

Technologies and Capabilities

We aim to provide design, documentation and supervision of building hydraulic services to the highest quality, the most cost efficient and ecologically sustainable way, through the use of a reliable, friendly and educated team that has a passion for the industry and what it serves.

At Gilboy Hydraulic Solutions, 50% of our staff are accredited Green Star professionals and 50% of our staff are licensed plumbers. This mix allows us to deliver not only complying, environmentally sustainable design but a design that considers the practical build-ability of the hydraulic services within the building to ensure site costs, time, practicality and ultimately client costs are considered at the front end.

Company Background

Gilboy Hydraulic Solutions was registered in 2001 and officially began operation in January 2003 in Cairns under the direction of Greg & Tonya Gilboy. Greg has over 23 years experience as a building hydraulic service consultant.

Our hydraulic design experience in all facets of construction methods and types has been essential in the successful completion of a large number of projects in Queensland and its remote regions as well as the Solomon Islands and Papua New Guinea.



Year Established

2001

Management Team

Greg Gilboy, Director
Tonya Gilboy, Director
Kerry Pollard, Hydraulic Services Designer
Keith Newman, Hydraulic Services Designer
Fred Haines, Hydraulic Services Designer
Ben Stott, Cadet Designer

Current Export Markets

Solomon Islands
Papua New Guinea

Type Of Export Business Sought

Joint venture

Certificate & Quality Approvals

Member of the Association of Hydraulic Services Consultants of Australia.
Authorised to design and certify fire main designs and installations under the Licensing Requirements of the QBSA & QF&RA Acts.

Gilboy Hydraulic Solutions carries \$5,000,000 cover for Professional Indemnity and \$20,000,000 for Public Liability Insurance.

Awards

2011 Queensland Government Climate Smart Sustainability Award for Built Environment

North Queensland Projects

Residential Units

- Blue Lagoon Unit Development - Cairns (Trinity Beach)
- Harbour Lights Residential Tower - Cairns (The Esplanade)
- 13 Unit Seaview Motel - Cooktown (Webber Esplanade)
- 177 Unit Development - Cairns (Kowinka Street, White Rock)
- The Village 200 Unit Development - Cairns (Palm Cove)
- 36 Unit Tower - Cairns (51 McLeod Street)
- 70 Unit Development - Cairns (181-183 Kamerunga Road)
- Trilogy, Residential Tower Developments - Cairns (The Esplanade)
- The Boulevard 400 Unit Development - Cairns (Manoora)

Health & Aged Care

- Retirement Home Community Centre - Innisfail
- Atherton Hospital Dialysis Unit - Atherton
- Mossman Hospital Dialysis Unit - Mossman
- Farnorha Home For The Aged - Cairns
- Cairns North Community Health Centre - Cairns (Sheridan Street)
- The Smile Centre Dental Surgery - Cairns
- Dental Surgery fitout - Cairns (Anderson Street)
- Retirement Home Community Centre - Innisfail
- Carinya Home For The Aged - Atherton

Institutional And Government

- Cairns Government Office Block - Stage 1 & Stage 2
- Redlynch Middle School, Stage 1 - Cairns
- Redlynch State School, Stage 2 - Cairns
- Redlynch Middle School, Stage 3 - Cairns
- HMAS Cairns Redevelopment - Cairns
- Kuranda Aquatic Centre - Kuranda
- QAS Station - Cairns, Atherton, Tully, Gordonvale

Shopping Centres & Commercial

- Great Adventures Store & Workshop - Cairns (Trinity Wharf)
- Piccones IGA Brinsmead Shopping Plaza - Cairns
- Piccones Shopping Village extensions - Cairns (Edmonton)
- The Noodle Box - Southside Shopping Centre, Cairns (Woree)
- Gelati Shop - Cairns (Shields Street)
- Boost Juice Tenancy - Cairns (Stockland Plaza)
- Bunnings Warehouse - Cairns (Smithfield)
- Piccones IGA Shopping Centre - Cairns (Edmonton)

Tourism & Leisure

- Bottleshop Refurbishment, Holiday Inn - Cairns
- Redevelopment of Fitzroy Island Resort - Fitzroy Island
- Day Spa, Cairns International Hotel - Cairns
- Rattle & Hum Backpackers - Port Douglas
- Day Spa, Pacific International - Cairns
- Daintree River Crossing Tourist Facility - Daintree
- Amphora Resort - Cairns (Palm Cove)
- Hartleys Creek Crocodile Farm - Cairns area (Wangetti Beach)
- Sugarworld Water Park - Cairns (Edmonton)

Pious Projects

- Baptismal Font, Good Counsel Catholic Church - Innisfail
- Refurbish Onsite Waste Treatment System, Genazzano Retreat - Atherton Tablelands (Tinaroo)
- Baptismal Font, Holy Cross Catholic Centre - Cairns (Trinity Beach)
- Extension of Presbyterian Church - Cairns (Sheridan Street)



Green at Heart



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Green at Heart design and assess building sustainability in the tropics. We provide the tropical expertise needed to achieve the best possible sustainable and cost effective outcomes for your project or business. We conduct environmental audits on existing buildings and are experts in assessing thermal performance of new and existing buildings.

Fields Of Commerce

Consulting
Energy rating reports

Target Industries

Housing
Environmental design
Sustainability consulting in residential and commercial sectors
Housing for mining workers

Specialist Areas Of Tropical Expertise

Sustainability consulting for the tropics
Assessing tropical designs
Energy ratings for commercial and residential
Designs for the tropics
Sustainable building design and architecture

Company Profile

With over 17 years combined experience in designing and assessing commercial and residential buildings sustainability in the tropics, Green at Heart can provide the tropical expertise needed to achieve the best possible sustainable and cost effective outcome for your project or business.

We have extensive experience conducting environmental auditing on existing residential and commercial buildings. We can provide advice and reporting throughout all aspects of the project from design through to construction stage.

Green at Heart are experts in assessing the thermal performance of new and existing buildings and providing recommendations to improve their energy efficiency resulting in increased human comfort and economic benefits for our clients. We also design award winning tropical buildings.

Technologies & Capabilities

Technologies:

- Building Energy Ratings Software (BERS)
- Web based training and meeting services

Capabilities:

- Sustainability consulting
- Sustainable design
- Commercial and residential energy ratings
- Commercial and residential energy assessments
- Business auditing
- Environmental management plans
- Training

green at heart
Your one-stop shop
for building sustainability



Year Established

2003

Management Team

Sophie Barrett, Director

Andrew Barrett, Director

Target Export Markets

Papua New Guinea

Fiji

Vanuatu

Other Asia Pacific

Type Of Export Business Sought

Direct export

Joint venture

Company Background

Green at Heart was established in 2003. We have specialised in tropical design and assessment of buildings energy efficiency properties both at design stage and as a retrofitting option.

Australian Projects

- Sustainability assessment of commercial and residential buildings throughout Australia
- Retrofitting guide for sustainability in Far North Queensland
- Tropical Green Building Network designer of the Sustainable Display Home
- ClimateSmart Business Cluster – business energy efficiency program (Department Climate Change)
- Energy efficiency certifications of residential and commercial buildings
- Solar power, hot water installations
- Implementation of alternative technologies through design

Certificate & Quality Approvals

All our work is performed to the highest quality and standards

Awards

Tropical Building Design awards – Regional, State and National



Green Insulation Pty Ltd

ST

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Meadowbrook, Brisbane QLD 4131

Green Insulation is a family business which has invested wisely into Australia's long term future. We have combined exhaustive research, pioneering product innovation and absolute leading edge technology to deliver a range of reflective aluminium foil insulation products that specifically address the challenges presented by the harsh Australian climate.

Fields Of Commerce

Manufacturing
Research
Distribution

Target Industries

Housing
Industrial
Commercial

Specialist Areas Of Tropical Expertise

Reflective foil insulation manufacturing
Reflective foil insulation distribution
Thermal resistance calculation of insulation
Reflective foil insulation re-seller

Company Profile

Green Insulation delivers on the highest possible environmental considerations for today, and well into the future. It's an investment in Australian jobs, our economy, our environment and our future.

Green. Not just a name. . . It's our passion!

We no longer print marketing materials of any type, our messages are delivered electronically, a huge saving on the environment.

Our representatives are off the road. We communicate electronically via our newsletter, email or the phone. Our representatives provide specification assistance and thermal resistance calculations of insulation. Training is conducted by interactive webinars timed to suit needs.

Green Insulation products are available from leading hardware and building supply stores in North Queensland.

Technologies & Capabilities

Green Insulations' Reflective Foil Insulations (RFI) reflect up to 97% of radiant heat and are an exceptional barrier against conductive heat. They perform as a barrier against humidity, water and vapour penetration. RFI have anti-slip properties making it safer for installers. Another benefit is the excellent acoustic properties. Reflective Foil Insulations can be ordered in custom length roll lengths to reduce waste and has a 100% guarantee for 15 years.

This multi-functioning product not only saves labour and resources, it uses less power to manufacture than most other forms of insulation with 20% and more made from recycled materials. There are no harmful irritating fibres. Not just for the workers who have to install it, what about the generations who have to live with it?

There are 5 very distinct insulation products to choose from:

- Reflecta-Cell® is the builders favourite choice. At only 5.7mm thick, it is a true all-rounder
- Reflecta-Guard™ is the premium product with the highest "R" values, a thermal break and outstanding noise protection (eg rain, road, aircraft)
- Reflecta-Break™ is an economical thermal break for metal on metal construction
- Reflecta-Shed™ is a high performance and very economical product ideally suited for sheds
- Reflecta-GDI™ is especially for panel lift garage doors



Year Established

2008

Management Team

Ray Stead, Managing Director
Michael Muxworthy, Marketing Manager
Rod Stead, Business Development Manager
Elsie Stead, Administration Manager
Charles Mah, Company Engineer

Current Export Markets

India
Fiji

Certificate & Quality Approvals

AS/NZS 4859.1:2002
AS/NZS 1530.2:1993
AS/NZS 1530.3:1993
AS/NZS 4201.1:1994
AS/NZS 4201.2:1994
AS/NZS 4201.3:1994
AS/NZS 4201.4:1994
AS/NZS 4201.6:1994
ASTM.E96:2000
AS/NZS ISO 717.1:2004

Technology or Patent Ownership

AU 2004201938 – Patent on insulation sheet containing an anti-glare polymer layer on the reflective surface.

Company Background

Green Insulation Pty Ltd is a wholly Australian owned company that provides leading edge environmentally-friendly insulation products for use in roofs, walls and floors of homes, sheds and commercial constructions throughout Australia.

Designed and manufactured in Australia since January 2011, these insulation products are widely recognised for their ability to provide long lasting comfort, safety and energy savings.

Research began in 1999 and from this the Reflecta-Range™ of products were developed and patented. This range represents a breakthrough in insulation technology. This unique insulation is a fibre-free, air bubble insulation, encased in reflective foil, and protected with a special patented polymer coating. This distinctive coating provides excellent protection against corrosion and oxidation. These products also provide excellent thermal and acoustic insulation properties, as well as offering the advantage of a barrier against water and vapour penetration.

We proudly lead the way within the insulation industry offering extensive warranties across the range. We are confident to stand behind this technology, and believe we present some of the best insulation products available world-wide.

Green Insulation™ is widely recognised for its product leadership and is constantly involved in researching and developing new innovative technologies to complement the existing product range. Due to the ever increasing demand, our company will continue to grow and develop into the future as it expands from strength to strength.

Australian Projects

Green Insulation® is currently being assessed for their GreenTags by Ecospecifier Global. The GreenTagCert™ Certification and Rating scheme was developed over 3 years and supported by a major Business and Industry Transformation Incentives (BITI) grant from the Queensland Department of Employment, Economic Development and Innovation (DEEDI). Global GreenTag is now Australia's premier product certification scheme having recently been accredited by the Australian Consumer and Competition Commission (ACCC) as a National Certification Mark. This gives the Global GreenTagCert™ scheme and logo the highest form independent recognition possible and one of only a few of its kind in the world.



GreenBuild.com.au

Tropical Eco-building Resource



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Edge Hill, Cairns QLD 4870

GreenBuild.com.au is a online resource that promotes green building products and services and provides information relevant to sustainable building practices in Tropical Queensland.

It is the GreenBuild.com.au's goal to profile all greenbuild products and services available in both North and Far North Queensland and provide support to the Tropical Green Building Network.

Fields Of Commerce

Green products and services Directory for Tropical Queensland

Target Industries

Building & construction industry & consumers

Specialist Areas Of Tropical Expertise

- Identifies, qualifies and promotes businesses that deliver tropical green building products and services in North Queensland
- Hosts the Tropical Green Building Network Forum, an online resource of work and information made freely available to the public at large
- Provides information through a database on chemicals and toxins and safer building materials

Company Profile

GreenBuild.com.au is a 'online' resource that promotes sustainable building products and construction services in tropical Queensland.

Greenbuild.com.au features a directory of businesses with 'green' and sustainable building products and services that makes contacts 'easy to find' for the public and gives support to the industry champions that are at the forefront of providing new technology and services in North Queensland. It's goal is to identify and promote every 'tropical green build' product and service in North Queensland.

Importantly, the Greenbuild.com.au website only lists products and service providers that are locally available and climatically appropriate for use in tropical climates.

The GreenBuild.com.au website was borne out of the recognition that the implications of a tropical climate, a relatively small population and significant distance from the capital cities of the eastern seaboard, presented unique challenges to businesses and individuals who wanted to build green in North Queensland.

GreenBuild.com.au was launched in 2009, and complements the Tropical Green Building Network (TGBN), a voluntary community group founded by GreenBuild.com.au. The members of the network advertise their businesses and profile their products and services on GreenBuild.com.au. GreenBuild.com.au actively engages in the daily operation of the TGBN and sponsors its activities working on practical issues, informing and encouraging the uptake of tropical green building. The most recent work is support to showcase affordable sustainable houses with local developers using our contacts and promotions.

Greenbuild.com.au administers an 'online' forum that is freely accessed by the public. There are over 300 documents and postings providing a resource for people wanting to learn more about tropical green building activities in North Queensland.

Technologies & Capabilities

The GreenBuild.com.au website:

- promotes the 'greenbuild' products and services that are available in North and Far North Queensland
- makes information and contacts 'easy to find'
- advances the understanding of tropical climate appropriate materials and products
- provides detailed information on the green criteria and credentials of listed items
- gives support to the Greenbuild industry champions that are at the forefront of providing green technology and services in Tropical regions of Australia.
- database of toxins and chemicals found in building materials
- database of safer building materials and systems for a healthy house
- database and online forum hosted and administrated for the Tropical Green Building Network



Year Established

2008

Management Team

Emma Thirkell, Director, Website Manager and Product Researcher

George Thirkell, Director and Product Researcher

Andrew Cummings, Director, Webmaster -web design and marketing

Company Background

GreenBuild.com.au benefits from a #1 to top 5 high google search engine ranking concerning this topic area worldwide. Businesses wanting to advertise on GreenBuild.com.au pay a very affordable yearly subscription that allows them to promote up to 50 products or services on the website. They can self-advertise using a very easy 'E-Bay' style process or we can assist by loading up any advertising and promotion for them. We have developed GreenBuild.com.au standards to help businesses determine whether or not they qualify to take part. There is also a 'score-card' process allowing the public to alert us to problems.

The GreenBuild.com.au website is owned by Exner Investments PL. Directors George and Emma Thirkell also own and operate Beachcomber Building Solutions and Thirkell Consulting Engineers a building design and structural engineering company. They identified that some important building regulation was counterproductive to sustainability, some new green building technology uptake was lagging behind and tropical expertise was not well recognised. Greenbuild.com.au was established in 2007. It was launched in 2008. Soon after George and Emma founded the Tropical Green Building Network to further support the work being done by them and industry colleagues in the area of built environment sustainability.

Exner Investments PL also operates a sister website www.recyclebuild.com.au that provides a marketing platform for the public, businesses and demolition and recycling yards throughout Australia.

Australian Projects

GreenBuild.com.au has worked on behalf of the Tropical Green Building Network to carry out:

Industry, Government relations and problem solving by engaging:

- the rainwater tank industry and Queensland Building Codes; greywater systems, products and consulting industry and Tropical North Queensland TAFE and Cairns Regional Council; the insulation industry and the Department of Environment, Heritage, Water and the Arts; helped secure \$10 million of Federal government funding to refurbish 'J Block' at TAFE to a showcase 'green' building; response to the BCA Regulatory Impact Statement 2010 Energy Performance Codes; response to Cairns Regional Council Draft Waste Strategy 2009.

Active representation and participation:

- Cairns Regional Council Urban Design Advisory Board and Sustainable TNQ

Expo's and events:

- Support to the 'Green and Sustainable Living' Cairns based expo's
- Operation and support of Sustainable House Day since 2009

Industry and Public Education:

- Organised many presentations and building tours for TGBN members to educate on new design, products, services, initiatives and regulation.

Greenbuild.com.au is currently commissioned by Cummings Economics to carry out the Advance Tropical Green Build project that includes the compilation of this businesses directory and producing a strategy document to grow the tropical green building sector in North Queensland.



Greening Australia



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Greening Australia is a not-for-profit environmental management company.

The services we deliver are environmental consultancy, training, native plant nursery, pest management plans and implementation as well as native seed collection service.

Fields Of Commerce

Consulting
Research
Training

Target Industries

Mining
Agriculture
Development
Landscaping
Defence (land management)

Specialist Areas Of Tropical Expertise

Landscape design
Water quality
Land management
Pest management
Training in land management
Rehabilitation of land

Company Profile

Greening Australia is passionate about protecting and restoring the health, diversity and productivity of our unique Australian landscapes.

Our vision is: A healthy, diverse and productive environment treasured by the whole community.

Our mission: To engage the community in vegetation management to protect and restore the health, diversity and productivity of our unique Australian landscapes.

With 30 years of experience in creating sustainable environmental outcomes, Greening Australia is a solutions-driven organisation that is committed to doing something practical about Australia's environmental problems. We do much more than simply plant trees.

Greening Australia tackles critical issues like salinity, declining water quality, soil degradation, climate change and biodiversity loss through an innovative blend of practical experience, science and community engagement. We are dedicated to protecting our heritage, its biodiversity and natural resources, putting back in a way that allows all Australians to be part of the climate change solution.

With a network of over 270 staff in locations across the continent, Greening Australia lives and works with people from remote, regional and metropolitan communities.

Technologies & Capabilities

Greening Australia provides commercial vegetation and environmental services to clients from all levels of government, industry, the private sector, and community.

Having set a standard of excellence for over 30 years – and with a commitment to best practice management systems, sound environmental outcomes, and competitive prices – our professional teams across the country can provide tailored, cost-effective services for most environment projects.

Greening Australia offers a diversity of environmental and land management consultancy, research and training services specific to North Queensland's dry tropical regions from their Regional Office and Dry Tropics Nursery both located in Townsville, North Queensland.

The Greening Australia Dry Tropics Nursery is a wholesale and retail nursery, which, as its name suggests, specialises in dry tropics native plants. All seed is sourced locally and the nursery propagates hardy, drought tolerant grasses, vines, herbs, shrubs and trees. The nursery provides a comprehensive information service to the local community on managing native vegetation.



Year Established

1982

Management Team

Michael Paramor, CEO

Sean Willans, Financial Manager

Bob Osborne, General Manager Regional QLD

Leigh Dennis, General Manager Consulting

Certificate & Quality Approvals

Integrated Management System in compliance with the requirements of:
AS/NZS ISO 9001:2008 Quality Management Systems; AS/NZS ISO 14001:2004 Environmental Management Systems; AS/NZS 4801:2001 OHS Management Systems; AS/NZS ISO 31000:2009 Risk Management – Principles and Guidelines.

Awards

On World Environment Day in 1998, Greening Australia was admitted to the United Nations Environment Program Global 500 Roll of Honour. This award recognises outstanding achievements in protection of the environment, and represents a significant achievement for Australia's role in world conservation.

Company Background

Greening Australia was formed by the United Nations Association of Australia and the Nursery Industry Association of Australia in 1982 to mark the Year of the Tree and has since developed into the country's largest practical not-for-profit environmental organisation.

At the start of the 1980s, significant tree cover decline in Australia was acknowledged as having an adverse impact on agricultural and pastoral productivity. Growing public perception recognised that excessive removal of tree cover was a key contributor to the development of many rural problems such as salinity, soil degradation and the decline of water quality.

In 1982 Greening Australia provided the non-government arm of the National Tree Program a program which aimed to reverse tree decline throughout Australia. With representation in every state and territory and a national office in Canberra, Greening Australia became the primary focus for non-government tree projects.

This led to the recognition that Greening Australia was effectively a catalyst organisation that brought together diverse groups, authorities, sponsors and individuals to work together.

Greening Australia has undergone a natural evolution over the years - from a tree-centric to a landscape-focused organisation.

Confronting the growing environmental challenges of the 21st century, the organisation's mission is now urgent: to scale up and intensify its work, engage communities, draw upon the best science and apply years of practical experience to conserve and repair the nation's most important natural assets.

Australian Projects

Greening Australia has played a pivotal role in some of the country's largest environmental initiatives. Alongside hundreds of local projects, Greening Australia is or has been involved in a variety of local and countrywide initiatives:

- The One Billion Trees Program - educating and empowering the community to plant one billion trees.
- Bushcare Support - an ongoing project providing technical advice, education and support to groups receiving Natural Heritage Trust community grants for revegetation projects.
- Bush for Greenhouse - a joint project with landholders to plant trees and sequester carbon emissions generated by corporate investors.
- National Corridors of Green - grants and technical support for landholders for green wildlife corridors connecting patches of remnant bush.
- Farm Forestry Support - a joint project with landholders to develop farm forestry as an industry.
- Exchange - the national vegetation knowledge service. This program provides information, access to experts and people with similar issues and initiates resource linkages. Working with Land & Water Australia through the Exchange Incentive Fund, the Exchange supports regional events and groups undertaking native vegetation management activities.
- Florabank - this project shares the best available knowledge from research and practice in native species seed management. A significant component of the FloraBank project is reviewing research in seed management.
- Green Corps - since 2002, Greening Australia has worked with the Australian Government to deliver Green Corps, a youth development and environmental training program for people aged between 17 and 20 years.



GVD Building Design



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Web www.gvdbuildingdesign.com
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Louisa, Townsville QLD 4814

GVD Building Design provide building design, drafting and documentation services for new homes, multi-residential unit developments, commercial and industrial buildings. GVD specialise in site specific, climate suitable, sustainable design.

Fields Of Commerce

Building design
Architectural documentation
3D Modelling
Building energy efficiency assessments

Target Industries

Quality mid to high level housing market, commercial and industrial projects.

Specialist Areas Of Tropical Expertise

- Local area climate knowledge and experience
- Building material selection and suitability
- Construction method suitability and cost
- Design development through to full project document completion
- Understanding of passive solar design principles and requirements for dry and wet tropical climates
- Licensed computer modelling assessor (BERS Pro V4.1)

Company Profile

GVD is well respected for their innovative, feasible designs and precise documentation.

Projects range from small residential housing to multi-residential unit developments and commercial projects.

GVD have extensive knowledge and experience providing solutions for complex and challenging sites.

GVD's speciality is providing home designs to suit a clients brief and our northern climate with a focus on environmental and sustainable design.

Technologies & Capabilities

GVD provides a wide range of professional services, these services are project specific and tailored to the clients needs.

GVD specialise in site specific, climate suitable, sustainable design.

Services include:

- Site and property assessment
- Client brief analysis
- Concept and design development
- Architectural drafting and documentation
- 3D modelling and rendering
- Residential energy efficiency assessment using BERS Pro computer modelling
- Energy efficiency assessments of commercial buildings in accordance with the Building Code of Australia
- Project co-ordinating and consultant consultation
- Town planning advice, documentation and application lodgement



Year Established

1999

Management Team

- Greg Van Dinter, Business Owner & Building Designer
- Tanya Martin, Building Designer & Senior Draftsperson.
- Andrew Neilsen, Draftsperson
- Adrian Gibson, Junior Draftsperson and Diploma of Building Design (currently studying for Degree of Building Design at Central Queensland University)
- Sharon Yardley, Office Manager and Administration

Certificate & Quality Approvals

Licensed Building Designer QBSA Lic No. 65778

Licensed Energy Assessor of residential projects using BERS Pro. v4.1

Endorsed sustainable building designer with ongoing professional development endorsed by the Building Designers Association of Queensland (BDAQ)

Member and local Delegate of the BDAQ

Awards

GVD Building Design has been awarded by the Building Designers Association of Queensland (BDAQ):

- two State Building Design Awards (2003 & 2007) and
- ten Regional Building Design Awards between 2003 & 2011.

Company Background

GVD Building Design was established by Greg Van Dinter in 1999 and has since developed into a well respected and multi award winning design firm.

They have designed and documented many outstanding award winning homes and commercial buildings in North Queensland.

GVD works with and has many long standing relationships with Townsville's respected builders.

Australian Projects

- Parsons Residence, Townsville (Hervey Range Road) - Modern homestead: Separate pool house, full timber home, exposed timber frame and extensive use of large section timbers (timber selected from authorised trees on the Atherton Tablelands & milled in Ravenshoe), low embodied energy home, free running house, natural light, ventilation, solar, bore, chickens & vegetable garden. Fully recyclable home at end of life.
- Dederer residence, Townsville (Rangewood) - Light weight timber frame construction, low embodied energy, free running passive solar home.
- Van Dinter residence, Townsville (Mount Louisa) - Composite construction modern Queenslander, site specific low energy use home.
- Titmus Residence, Townsville (Alice River) - Modern contemporary composite construction home, very open & light naturally ventilated home with separate living sleeping and service zones.
- New Club House, Kalynda Tennis Centre (Townsville) - Building complies with all of the energy use requirements of the Building Council of Australia. Extensive shading to west and protection of large glazing areas key to the success of the design. Further to this the building is predominately open and free running. The design that has created a space is cool and operates well without conditioning. Material choices are low maintenance, the building was low cost to construct and came in on budget. As a public building the operating and life cost will be very low.

Several of GVD's homes have featured as tropical design exemplars for the Townsville region on National Sustainable House Day .



Hansen Yuncken Pty Ltd



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Cairns QLD 4870

Hansen Yuncken has established a reputation in the Australian construction industry as a leader in environmentally sustainable design and construction and has trained and certified staff in its application. Specialising in the commercial construction sector their services include design & construct, managing contractor and principal contractor

Fields Of Commerce

Commercial construction

Target Industries

Defence
Healthcare
Education
Infrastructure
Retail

Company Profile

Our operations extend throughout North Queensland and are Australia wide. The company, although a private company with a 50:50 share holding, is run according to the principles and standards of a public company. A board of directors with wide industry experience sets the direction of the company and this is then put into action by Chairman, CEO, COO and State of the various branches around the country. We are conscious of the outcomes and targets that our clients set and we aim to meet or exceed these by implementing proactive procedures on all our projects. Forming effective communication channels is a priority to completing a project and having the right team for the job is essential.

We are committed in a practical way, to the advancement of sustainable development principles to all facets of the building and construction process, in particular:

- Efficient and effective use of natural resources
- Increased energy conservation & efficiency
- Substantial use of renewable energy resources
- Reduction or elimination of toxic and harmful substances
- Improvements to interior and exterior environments leading to increased productivity and better health
- Efficiency in resource and materials utilisation, especially water resources
- Selection of materials and products with recycled content
- Recycling of construction waste and building materials
- Reduction in harmful waste products produced during construction
- Facility maintenance and operational practices that reduce or minimise harmful effects
- Maintaining the cultural, economic, physical and social well being of people and communities.

The qualitative aspects of these principles are applied in our decision-making processes. Quantitative matters such as waste management, use of renewable energy and material selections are active cost and design project inputs. As a member of the Green Building Council, we actively promote and provide advice on green star ratings and future rating tools and in training our industry's future leaders in this important field.

Technologies & Capabilities

Hansen Yuncken has extensive experience in a wide range of project delivery methods. We are able to tailor various procurement strategies to meet the specific needs of our clients and their projects. Delivery methods are constantly evolving and becoming more sophisticated.



Year Established

1918

Specialist Areas Of Tropical Expertise

- Commercial construction
- Leader in environmentally sustainable design (ESD) and construction techniques
- Having a responsible environmental and community approach
- "Best practice" management systems
- Impact on the environment is minimised including reduction of waste on sites
- Employees are provided with instruction, information, training and supervision to minimise environmental impact and ensure their health and safety

Management Team

Joe Barr, CEO

Tony Swan, State Manager, Qld & NT

Greg Baumann, Regional Manager, Cairns

Dale Steele, Regional Manager, Townsville

Certificate & Quality Approvals

Quality 150 9001

Environmental 150 14001

HSE 4801

Awards

Australian Institute of Building National Excellence Awards:

- Cairns Airport - Domestic Terminal Redevelopment, QLD 2011 – commercial construction \$100 M+

Master Builders Association Excellence Awards:

- Cairns International Airport Domestic Terminal Redevelopment, QLD 2011 - Tourism & Hospitality Facilities over \$4 M
- James Cook University School of Dentistry, QLD 2011 - health & education facility over \$15 M
- Cairns AQIS Office and laboratories, QID 2010 - sporting & community service facilities \$4 M-\$15 M
- Cairns Qantas Club lounge, QID 2010 - tourism & hospitality facilities up to \$8 M

Technologies & Capabilities Cont.

Hansen Yuncken is positioned at the forefront of such innovation. We are regularly invited to work with our clients in developing delivery methods. Our specialist staff are qualified and experienced across a range of delivery methods and they understand the requirements and intricacies of each method. We have developed comprehensive procedures and operating systems to manage the particular needs of each method and to assist our clients in making informed decisions. Hansen Yuncken can demonstrate cost competitiveness and efficiency in the implementation of all delivery methods. Hansen Yuncken has experience and expertise in the following delivery strategies:

- Development packaging
- Public Private Partnerships (PPP)
- Alliance/relationship contracting
- Managing contractor
- Project and construction management
- Design and construct/turn key
- Fixed price/lump sum contracts

We encourage our clients' involvement in the project delivery process, to the extent of their desire, expertise and availability.

We have expanded our expertise as a contractor by supplementing our team with specialists to meet the increasingly complex nature of projects and their delivery. Our in house specialist expertise includes:

- Design management
- Cost planning
- FF& E procurement
- Project planning
- Programming
- Building services management
- Civil engineering
- Finance procurement
- Building maintenance

We have a committed and stable workforce, which gives us confidence in maintaining consistency in project teams for the duration of projects. Our success is due to our focus on satisfying our clients through positive relationships, understanding client objectives and our record of performance.

Company Background

Hansen Yuncken commenced in 1918 as a partnership between Lauritz Hansen and Otto Yuncken in Melbourne. The partnership prospered and Hansen Yuncken has now become one of Australia's leading construction companies. The company has retained the tradition of quality and business integrity established by the founding partners, although the faces and methods have changed over the years.

North Queensland Projects

- Tagai College, Mer Island, QLD \$32 M
- James Cook University School of Veterinary & Biomedical Science, QLD, \$13 M
- James Cook University Dental School QLD, \$19 M (2010)
- \$57 M BER schools Far Nth QLD & \$66 M BER schools Nth QLD
- Cairns International Airport Domestic Terminal Redevelopment QLD, \$160 M (2010)
- Cairns International Airport terminal improvements QLD, \$10 M (2012)
- Coles Sugarworld, Cairns (Edmonton) QLD, \$16 M (2010)
- ELF Stage 2 combat training, Townsville (Laverack) QLD, \$17 M



Home Grown Edible Gardens



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Address 8 Garden St, Mundingburra
Townsville QLD 4812

Home Grown Edible Gardens offers consultation and design services for edible and energy efficient landscapes.

While spreading awareness of permaculture principles to educate and design for a resilient regenerative community, we offer insights to sustainable living and nurture the motion of a localised food network.

Target Industries

Mining, Agriculture, Urban areas being housing and public infrastructure, Universities, Aged homes, Resorts, Tourism

Specialist Areas Of Tropical Expertise

Tropical/edible and beneficial plant species, Natural energy efficiency, Low carbon local food networks, Water capture/storage, Chemical/pesticide free agriculture – low input systems, Animal integration for food forests

Target Export Markets

Developing and third world countries

Type Of Export Business Sought

Joint venture and Partnerships

Company Profile

Home Grown Edible Gardens is a locally owned and managed business operating from Townsville and Cairns. Based on permaculture principles the services include :

- Consultation and advice
- Illustrated conceptual designs
- Training & education through to implementation and creation of organic food producing landscapes/systems with emphasis on catchment/storage of water, sunlight, wind and animal systems as well as plant specification for tropical exotic and native species

Technologies & Capabilities

Home Grown Edible Gardens specialise in permaculture design, principles and techniques - and have experience in both dry and wet tropical environments.

Home Grown Edible Gardens' qualified permaculture graduates can design and create an aesthetic, organic food producing and energy efficient landscape in your tropical urban landscape, be it on residential, commercial, industrial or community land.

Further explanation of the full range of permaculture services offered can be found on Home Grown Edible Gardens' informative website.

Year Established

2012

Management Team

Tonielle Christensen, Owner & Manager

Fields of Commerce

Consulting, Permaculture landscape design
Landscaping

Certificate & Quality Approvals

- Permaculture Design Certificate with Darren Dohert of RegenAG
- Urban Landscape Design Certificate with Nick Huggins at Geoff Lawton's Zaytuna property
- Certificate 3 in Business & Project Management

Company Background

Tonielle has previously been employed by Prime Carbon writing methodologies for "in soil" carbon sequestration. During that time she consulted with the Domestic Offset Committee to develop the Carbon Farming Initiative.

Tonielle determined to build her own business in 2012, led by her desire to create self employment that suits her lifestyle and interests. Tonielle is passionate about permaculture and creating sustainable landscapes and is currently Treasurer of Permaculture Townsville.

 HOME GROWN
EDIBLE GARDENS

Honeycombes Property Group



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Honeycombes Property Group is a regional based developer of predominantly residential apartment projects and smaller retail commercial developments.

Fields Of Commerce

Land acquisition, marketing and property development

Target Industries

Multi- residential property
Retail
Commercial

Specialist Areas Of Tropical Expertise

- Sustainable multi- residential design for tropical climates
- Residential master planning and urban design for tropical climates

Company Profile

Honeycombes Property Group is one of Queensland's most dynamic property development companies with offices in Brisbane and Townsville.

With a strong focus on regional growth corridors, Honeycombes has made its mark with first-class projects in Brisbane, Townsville, Cairns, Mackay and Hervey Bay to name a few.

Honeycombes Property Group (Honeycombes) has more than \$1 billion worth of projects completed, under development or in the pipeline – all bearing the company's hallmark of high quality and located in prime investment regions.

Through strategic partnerships with leading public and private companies and close working relationships with local and state authorities, Honeycombes has secured and successfully developed some of the most sought after sites on the east coast of Australia.

Technologies & Capabilities

Honeycombes Property Group has the expertise to offer a sophisticated end-to-end integrated property service that includes project management, funds management, development analysis, construction management, marketing, sales and asset management.

Honeycombes prioritises responsible and effective environmental management.

We are committed to managing all of our developments in an environmentally sensitive and sustainable way. As the company seeks to adopt leading edge environmental standards for development sites, we do so with the input of important stakeholders such as local government and local communities with whom we work.

As with all of our projects, Honeycombes Property Group is very mindful of retaining the original natural integrity of the site and achieving optimal environmental outcomes.



Year Established

1980

Management Team

Peter Honeycombe, Managing Director
Paul Brumpton, Director of Developments
Wendy Ganly, Chief Financial Officer
Joe Duskovic, Legal Counsel

Awards

2009 Regional UDIA Award for Excellence in Sustainable Development for Itara at Riverway, Townsville

Company Background

Projects completed by Honeycombes Property Group, such as Central in Townsville and Cairns Harbour Lights, typify our commitment to quality, and support our reputation as an industry leader in Queensland.

As testament to our superior product, many of our clients are repeat customers who have chosen not only to buy their primary residence in one of our developments but also an investment property in a Honeycombes Property Group project with an eye firmly on the potential capital gain.

Since the company's inception over 30 years ago, Honeycombes Property Group has built and sold more than 1100 properties.

Australian Projects

Since the company's inception over 30 years ago, Honeycombes Property Group has built and sold more than 1100 properties.

Developments with a strong sustainability emphasis include:

- Itara at Riverway – 52 residential apartments in Townsville (Winner of the 2009 Regional UDIA Award for Environmental Excellence)
- Holborn at Central – 78 residential apartments and 1400 sqm of retail space in Townsville's inner city (5.5 Star NABERS Rated)
- Kensington at Central – 44 residential apartments in Townsville's inner city (5.5 Star NABERS Rated)



i4 architecture Pty Ltd



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Townsville QLD 4810

i4 architecture is a dynamic architectural consultancy which has been part of the architectural landscape in North Queensland for 30 years. Over the years our team has gained experience in the many varied facets of design, management and construction of various projects throughout North Queensland.

Fields Of Commerce

Consulting

Target Industries

Housing

Current Export Markets

Papua New Guinea

Target Export Markets

Indonesia

Type Of Export Business Sought

Joint venture

Company Profile

Our role is defined not only as designers, but as organisers of the total project at all stages. We gather information from external sources, including the client, specific government agencies and the end users, and disseminate it to the appropriate consultants then pass the results to the client.

Our design team's capability for any project is enhanced by our prior knowledge, specialist input and our client.

The success of all of our other projects that we have been involved in is a testament to our capabilities.

Technologies & Capabilities

In all projects we undertake for our many and varied clients, we are aware that it is primarily their project, we are there merely to assist in its realisation. Through past experience we realise that it takes time and perseverance to gain respect and trust of any group whom we have not dealt with before, and we always approach each project on the basis that everybody can learn something from others. All projects develop through an exchange of ideas between the various participants.

Our design solutions consider the many parameters impacting on the proposal such as energy efficiency, life-cycle costings, value for money, operational efficiency, cost, time constraints and function. Any specific requirements would become an integral part of our design philosophy, ensuring the most appropriate facility for our clients needs.



Year Established

1982

Management Team

Jon Larrazabal, Company Director & Senior Architect

Valeria Antonuccio, Architect & Interior Designer

Rodrigo Rojas, Architect

Damien McKenzie, Draftperson

Adam Jones, Draftperson

Roxanne Miner, Financial Administrator

Certificate & Quality Approvals

Public Liability, \$10 million, QBE Ins. Policy No. 08A485869BPK.

Professional Indemnity, \$10 million, Berkley Aust. Ins. Policy No. LBS113A37971.

Certificate Of Prequalification No. 2843A.

Certificate Of Registration as a Quality Assured Supplier No. 3807.

Green Star Accredited Practice.

Certificate Of Currency, Workcover, Policy No. WAA060642537.

Australian Institute Of Architects, A+ Member No. E1376.

Awards

- Australian Institute of Architects, Design Commendation, Richards Residence
- Australian Institute of Architects, Design Commendation, Shalom School Boarding Building.

Company Background

i4 architecture is a green star accredited practice who have been providing architectural services to both the public and government sectors for the past 30 years.

No two building projects are ever the same. Different site constraints, orientation, access, mobility issues and even funding play a major part in the finished product.

Our team has gained experience over several years in many varied facets of design, management and construction of many similar but varied projects through North Queensland.

International Projects

Lihir Gold Mine, Papua New Guinea

Australian Embassy, Jakarta, Indonesia

Australian Projects

- Shalom Christian College - many different buildings including Crystal Creek site
- Catholic Diocese of Townsville - child care centres, primary & secondary schools
- Government Departments - refurbishments of offices & buildings
- Queensland Department of Education, Training & the Arts - various educational facilities
- Mining accommodation for different clients at various locations
- Department of Defence & Serco Sodexo - RAAF base and Lavarack Barracks
- Private Individuals, new houses, apartments, decks, extensions



Innovative Facility Solutions Pty Ltd



ABN 94 151 372 593
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Cairns QLD 4879

Innovative Facility Solutions provides sustainable engineered solutions to synchronise your operational processes to achieve maximum efficiency.

Our focus is on sustainable facilities management through "building services operational processes", requiring a complex review of the property's services relating to condition, compliance, suitable maintenance, energy efficiency, operational process interaction and work place health and safety.

Fields Of Commerce

Consulting
Research

Target Industries

- All forms of the built environment
- Mining
- Hotels
- Public infrastructure
- Office buildings
- Airports
- Entertainment facilities

To assist in the refinement of operational processes and systems.

Company Profile

The consultancy aims to provide specialist advice to clients on the efficient and sustainable operational management of their buildings and properties. With over 30 years of experience in the industry across local government, state government, hotels & resorts and the building and engineering sectors, the aim is:

- To offer expertise in the areas of energy efficiency and sustainability to larger clients, who already have engineering departments
- Assist smaller facility operators and body corporate managers by providing facility management advice to assess and bridge the gap between the advice of contractors and the efficient operations of the property
- To provide a centre point for clients to obtain professional facility management advice when the confirmation of the best way forward is essential

Technologies & Capabilities

At Innovative Facility Solutions we provide particular expertise in the following fields;

- Operational Systems development for the management of property and building services
- Assessment and development of property risk management strategies
- Streamlining operational processes for the maintenance of property services plant and equipment
- Preventative maintenance planning programs development and procedures to prolong the life of the asset
- Compliance with legislative requirements and investigation of building services in the areas of fire, electrical, and workplace health & safety
- Unwanted / false alarms specialist experience in the investigation and assessment of fire alarms and recommendations in minimising occurrences
- Analysis and investigation of building electricity, gas, and water utilities for the correct billing of operational costs in body corporate managed properties
- Development of preventative maintenance service contracts to assist body corporate managers with operational requirements on managed properties
- Consultation with body corporate managers and advice on the correct actions to be taken on contractor recommended repair and maintenance issues
- Energy and sustainability investigation to review the current energy footprint and develop opportunity to refine energy consumption and minimise the ongoing operational costs
- Load profiling and energy tariff analysis to assist with obtaining the correct energy charging structure to meet the operation of the property and minimise cost
- Energy Auditing to AS/NZS 3598-2000 levels 1, 2 & 3 to assist with compliance requirements



Innovative Facility Solutions Pty Ltd
ABN: 94 151 72 593

Year Established

2011

Specialist Areas Of Tropical Expertise

- Building & property services investigation (Tropical Region)
- Preventative maintenance and operational processes to meet tropical challenges
- Energy audits - Levels 1, 2 & 3
- Sustainability assessment & review
- Unwanted fire alarm investigation for tropical environments

Management Team

Maurice Evans, Company Director

Type Of Export Business Sought

Licencing

Australian Projects

Holiday Inn, Cairns, 237 room hotel property, Level 2 Energy Audit investigation and final audit report.

Trilogy Apartments - Mantra, Cairns, 230 rooms as hotel rooms or one, two and three bedroom apartments, energy utility apportioned billing, asset mapping, recommendations on utility metering, review of fire service contracts.

Pullman Reef Hotel Casino, Cairns, High Level Energy Criteria Review and identification of the top 10 energy consumption issues for the property and final recommendation report.

Cairns Airport Facility, Cairns, High Level Energy Review Cairns Domestic and International Airports and associated property buildings and recommendations report including cost efficiency opportunities.



Innovative Facility Solutions Pty Ltd

ABN: 94 151 72 593

iTownplan

TD

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iTownplan provides professional town planning and development consultancy services to both the private and public sector. iTownplan has statutory and strategic planning experience and specialises in Local Government Development Assessment. Projects range from residential, commercial, industrial, land subdivisions, educational, health, aged care, through to master planned communities. Services include preparation of development applications, submissions, appeals, expert advice, strategic planning, project management and compliance/enforcement assistance.

Fields Of Commerce

Consulting
Research

Target Industries

Residential housing (individual lots, subdivisions, master planned communities), commercial and industrial, rural industries, educational, health and aged care, local and state government consultancy services.

Specialist Areas Of Tropical Expertise

Subdivision layouts for dwellings & buildings
Building design orientation

Company Profile

Manager, Kellie Tricarico provides her clients with vast industry experience, in-depth knowledge and the specialist skills required to manage town planning processes.

Dedicated to client satisfaction, this passionate firm offers a wide range of planning services including: preparation of development applications, submissions/objections, appeals, expert advice, strategic planning, project management & compliance/enforcement assistance.

Kellie's areas of expertise include: Statutory and strategic land use planning (especially in growth and infill areas), writing policy, master planning of large development sites, environmental impact statements and town planner as a mediator in consultation meetings.

Kellie is recognised for her quality of work, attention to detail, honesty and excellent customer service.

Technologies & Capabilities

Specifically iTownplan will:

- liaise with clients wishing to develop land, and work closely with architects, building designers, surveyors, engineers and State Government Agencies, to ensure all mandatory and supporting information is submitted to council for assessment
- prepare relevant town planning reports, including a critical review of the proposal against the planning scheme controls and make recommendations in support of the application with the intent of a timely assessment process to achieve the best possible planning outcomes
- prepare the application forms to professionally lodge to council
- project manage the planning process including coordinating, liaising, negotiating and maintaining cooperation between council employees, Government organisations, the general public, resident groups and developers. This includes attending meetings and responding to submissions/objections
- provide advice and assistance with town planning permits
- prepare written submissions/objections to planning applications, on behalf of the community/resident groups, to lodge to council
- prepare appeals to the Planning and Environment Court as an expert witness, or submissions to represent at the Victorian Civil and Administrative Tribunal
- provide essential town planning advice including determining whether a permit is required for a land use and/or development under the relevant local government planning scheme and determining the development potential of your land
- provide assistance with compliance and enforcement matters to minimise costs and damages



Year Established

2011

Management Team

Kellie Tricarico, Manager

Target Export Markets

Pacific Rim countries

Type Of Export Business Sought

Joint venture

Company Background

Kellie Tricarico, Manager of iTownplan has a vast experience in statutory and strategic planning. As a former local government planner in both Queensland and Victoria, Kellie has a strong understanding of and commitment to the practice of planning at a local and regional level.

Kellie Tricarico has been involved in the property industry since 1997. After completing a Bachelor of Arts in Urban and Regional Planning at Victoria University of Technology, followed by a Masters of Social Science in Environment and Planning at the Royal Melbourne Institute of Technology, Kellie gained extensive experience as a planner in local government.

Prior to establishing her practice, Kellie coordinated the Townsville City Council's town planning development assessment unit and major projects units.

Australian Projects

Master Planned Communities

Kellie project managed the "Rocky Springs" development as a former local government planner.

"Rocky Springs", by Lend Lease, is a master planned community of 36,000 people. To be developed over a 38 year period, Rocky Springs includes a mixed use development involving residential, hilltop environmental residential, mixed use, town centre, business and industry and open space uses. This project involved an Integrated Planning Act 1997/Environmental Impact Statement (IPA/EIS) process as it was considered a controlled action under the Environment Protection and Biodiversity Conservation Act 1999 due to the presence of the rare/endangered species of the Black Throated Finch and was lodged under Section 3.1.6 of the IPA.

CBD Infill Development

Kellie has extensive experience in CBD infill development. As a former local government planner, Kellie was solely responsible for managing the planning assessment of the master planning application for "Southbank Townsville". This project (a mixed use brownfield development involving residential, commercial, retail and open space uses), by Leighton Properties/Devine Ltd was lodged under Section 3.1.6 of the IPA.

Kellie was also solely responsible for managing the planning assessment of the redevelopment of the city's old railway yard precinct Central, by Honeycombes Property Group for seven years since the issuing of the preliminary approval over the site. Kellie assessed a series of stages including a mix of residential, commercial and retail while maintaining the heritage listed Ceremonial Avenue which traverses the site.



Jackson & Jackson Refrigeration Pty Ltd



ABN 52 122 222 486
Contact Jeff Jackson
Phone +61 (0)7 4063 4400
Email jeff@jacksonjackson.com.au
Web www.jacksonjackson.com.au
Address 2/180 Edith Street
Innisfail QLD 4860

Jackson & Jackson Refrigeration deliver “complete package” sustainable cooling solutions in electrical, air conditioning and refrigeration services from supply and installation, to repairs and servicing for the life of the installed equipment.

Fields Of Commerce

Contracting

Target Industries

Agriculture, Mining, Commercial, Industrial

Specialist Areas Of Tropical Expertise

- Tropical agriculture & associated processing & transport industries
- Design & manufacture refrigeration systems to lower energy use in the tropics (up to 43 % reduction in energy usage)

Company Profile

The Jackson & Jackson Refrigeration focus is on the whole of life cost of ownership of installed plant and equipment. This includes the energy costs associated with running the equipment over its service life. The ongoing energy consumption of equipment is of prime consideration in the selection of any equipment to be installed.

The team at Jackson & Jackson Refrigeration is capable of providing electrical, air conditioning and refrigeration services for commercial and industrial projects. An experienced in house design and advisory service is available for projects of this nature, including projects of a specialised nature. Produce refrigeration, including drying and cold-storage, are specialties of Jackson & Jackson Refrigeration.

A large and committed team is available to carry out projects in a professional and timely fashion. There is a vast amount of industry experience within the company totalling over one hundred years in the management staff alone. There are specialists in each of the areas which Jackson & Jackson Refrigeration works within. The greater part of most installations are completed by directly employed staff with relevant trade training and experience. In addition, a specialised group of sub-contractors are also utilised as required.

Jackson & Jackson Refrigeration are pleased to offer quality control of project work which is carried out in house. Jackson & Jackson Refrigeration have a large proportion of repeat business establishing many long term client relationships.

Technologies & Capabilities

Sales, Installation, Service and Maintenance

Air Conditioning:

- BMS and DDC Systems
- Split air conditioners
- Ducted air conditioning systems
- Packaged type air conditioning systems
- Chilled water air conditioning plant
- Exhaust and fresh air systems
- VRV air conditioning systems

Refrigeration:

- Produce ripening cold rooms
- Custom built refrigerated storage and display cabinets
- Custom built butchers cold plates
- Proprietary refrigerated display and storage cabinets
- Industrial water chillers
- Refrigerated drinking water fountains
- High humidity produce cold rooms
- Cold rooms
- Ice makers
- Freezer rooms
- Refrigerated drying equipment



Year Established

2006

Management Team

Jeffrey Jackson, Managing Director
Robert Jackson, Assistant Manager, Director
Geoff Machan, Service Manager, Director
Kent Alley, Project Manager, Director

Current Export Markets

Pakistan

Target Export Markets

India, Egypt, Papua New Guinea, Pacific Islands, South East Asia, Iran, Fiji

Type Of Export Business Sought

Direct export

Certificate & Quality Approvals

AS/NZS 4801:2001
AS/NZS ISO 14001:2004
AS/NZS ISO 9001:2008
PQC 1247 Level 2
Quality Assurance Supplier: 7182

Awards

Emerging Exporter of the Year 2010 - Cairns region.

Technologies & Capabilities Cont.

- Refrigerated heating equipment
- Refrigeration systems employing natural refrigerants

Electrical Services:

- Variable speed drives
- Control systems
- Consumer mains
- Main switchboards of any size
- Complete electrical installations
- Underground electrical reticulation
- Internal lighting
- External lighting including car parks and sports fields
- General power requirements
- Irrigation pumps

Jackson & Jackson Refrigeration offers a programmed maintenance service for all domestic, commercial and industrial air conditioning, refrigeration and electrical installations.

Company Background

Jackson & Jackson (Qld) Pty Ltd was formed in Cairns in 1993 as a partnership between Bob & Jeff Jackson. The company moved to Innisfail in 1994. Continued business growth resulted in the company being sold to Environ in 1998, with all management and staff remaining with the company. Cyclone Larry hit Innisfail in March 2006 vastly increasing the workload. In 2006, the business underwent a management buy-out. A new company was formed, with a number of shareholders, all of whom work directly within the business. The original owners, Bob & Jeff Jackson, are amongst the current shareholders. The Cairns branch was opened in 2007 and the Atherton branch opened in 2009. This locally owned business has grown from just two staff to currently employing fifty-five people and the future looks very bright indeed.

International Projects

2010: JDW Sugar Mills Limited:

Supply and install plant breeding equipment at two different sites in Pakistan vital to a long term sugar cane crop improvement project. This included

- A germination chamber, installed at JDW Unit 1 Rahim Yar Khan, Punjab, Pakistan
- A photo period facility at the new Makli Hills Sugar Cane Breeding Station, Sindh, Pakistan
- A seed packing and storage chamber, also installed at Makli Hills

Australian Projects

Barramundi Gardens, Julatten
Blenners Transport Depot, Cairns
Blenners Transport Depot, Innisfail
Bureau of Sugar Experimentation Stations (BSES), Meringa
Target Country, Mareeba
Gallo Farming, Atherton
Johnstone Shire Hall, Innisfail
K-Mart, Innisfail
Government Offices, Mareeba
PFD Food Services, Cairns
Piccones Supa IGA, Edmonton
Torres Strait Primary Health Care Centres

James Hardie Australia Pty Ltd



ABN 12 084 635 558
Contact Rowan Blizzard
Phone +61 131 103
Email rowan.blizzard@jameshardie.com.au
Web www.jameshardie.com.au
Address 20 Rupertswood Drive
Alice River, Townsville QLD 4817

James Hardie Australia are a building products manufacturer. We are the world leaders in the manufacture and development of fibre cement building products.

Fields Of Commerce

Manufacturing
Distribution
Research

Target Industries

Residential housing
Commercial construction

Specialist Areas Of Tropical Expertise

- Full life cycle analysis of our building products
- Demonstration of embodied energy value in our method of building
- Cyclone rated building materials

Company Profile

Based on net sales, we believe we are the largest manufacturer of fibre cement products and systems for internal and external building construction applications in the United States, Australia, New Zealand and the Philippines.

Our current primary geographic markets include the United States, Australia, New Zealand, the Philippines, Europe and Canada.

Through significant research and development expenditure, we develop key product process technologies that we believe give us a competitive advantage.

Our fibre cement products are used in a number of markets, including new residential construction, manufactured housing and repair and remodelling and a variety of commercial and industrial applications.

We manufacture numerous types of fibre cement products with a variety of patterned profiles and surface finishes for a range of applications, including external siding and soffit lining, internal linings, facades and floor and tile underlay.

Technologies & Capabilities

We manufacture our products at two plants in Australia, in New South Wales and in Queensland, and at plants in the Philippines and New Zealand. Our reinforced concrete pipes and decorative columns are manufactured at a second plant in Queensland. We also have a Research and Development Centre at our New South Wales plant.

James Hardie invests significantly in product research and development. Introducing differentiated products and improving the way we do things is one of the core components of our global business strategy and is supported by our significant investment in research and development activities.



James Hardie
A smarter way to build

Year Established

1888

Management Team

Shane Diaz, General Manager- Asia Pacific
Dennis Loduwick, Finance Director
Andy Spoel, Sales & Marketing Director

International Projects

James Hardie has extensive project involvement in commercial and residential construction in US, the Philippines and New Zealand.

Australian Projects

James Hardie has extensive project involvement in commercial and residential construction projects across all states.

Current Export Markets

New Zealand



James Hardie
A smarter way to build

Jon Nott Building: Fastabuild



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Contact Jon Nott
Phone +61 (0)7 4096 8360
Email info@jonnottbuilding.com.au
Web www.jonnottbuilding.com.au
Address 324 Land Road
Malanda QLD 4885

Jon Nott Building is an award winning builder in North Queensland, constructing homes and commercial buildings. Jon Nott has invented a new concept in affordable housing, Fastabuild, a low cost, easy to assemble building system designed for the tropics.

Fields Of Commerce

Low cost housing
Tropical building consultancy

Target Industries

The Fastabuild system is ideal for new mining housing, remote housing, indigenous community housing and general housing.

Specialist Areas Of Tropical Expertise

Building in the tropics for the extreme weather conditions experienced there eg cyclones, wet seasons & high temperatures

Company Profile

Jon Nott Building Pty Ltd was incorporated in 1993. It is a successful building company in tropical North Queensland, specialising in sustainable housing, quality housing and small commercial constructions. Jon Nott Building prides itself in having indentured 50 apprentices into the carpentry trade in that time. We offer unique services to our clients in assisting with the design, drawing of preliminary plans and giving estimates at no charge. We take the time to consult with our clients and match their budget to their plans and needs for their building.

Technologies & Capabilities

Jon Nott has patented his new building system, FastaBuild, a unique joining system for a quick, easy to assemble building. The system is ideal for remote building as the walls are manufactured off site and readily transported with few restrictions on sizes. The assembled building is designed to be a very normal house, not a converted donga or other such lesser building styles. The system can be assembled by unskilled labour with minimal supervision.



Year Established

1983

Management Team

Jon Nott, Managing Director
Geoffrey Hoad, Director
Peta Nott, Secretary

Target Export Markets

Papua New Guinea
New Zealand

Type Of Export Business Sought

Joint venture
Partnership

Certificate & Quality Approvals

QBSA licence 76009
PQC registration 1887

Technology or Patent Ownership

Australian Government Patent No.
2009101292

Awards

- 2010 Finalist "Tropical Innovation Award"
- 2007 Master Builders National Award – Best Commercial Building to \$2 million
- Winner 2006 Master Builders National - Commercial/Industrial up to \$2 million Award
- Winner 2006 Master Builders State (QLD) - Tourism & Hospitality Facilities up to \$5 million
- Winner 2006 Master Builders Far North Qld -Tourism & Hospitality Facilities up to \$5 million Award
- Winner 2006 Master Builders Far North Qld - Best Use Of Steel Cladding (Roof) Award

Company Background

Jon Nott has been building in North Queensland for 32 years. He is a very capable and successful builder of renown. His company has built about 400 unique homes in North Queensland and several commercial structures from National Park toilet blocks to large tourism centres.

Australian Projects

Amongst the 400 buildings constructed are:

- 2000 - Mareeba Wetlands Visitor Centre
- 2001 - Hasties Swamp Bird Hide, Atherton
- 2001 - Chillagoe Interpretive Centre - project management
- 2001 - Malanda Dairy Centre - project management
- 2004 - Mareeba Wild Animal Park
- 2006 - Skybury Australian Coffee Centre, Mareeba
- 2008 - Bloomfield Wilderness Lodge - \$1.8 M refurbishment & staff quarters, Bloomfield
- 2010 - Yungaburra Suspension Bridge - design & construct
- 2011- Cardwell Beachcomber Holiday Village Units, Cardwell



Kenick Constructions

KNCB Pty Ltd



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Email sales@kenickconstructions.com.au
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Address 9-11 Runnymede Avenue
Redlynch, Cairns QLD 4870

Kenick Constructions is a locally owned and operated construction company in Cairns, North Queensland. From small renovations to larger designer homes, and small commercial projects, we combine innovative construction approaches with evolving trends and attitudes. We are the local experts in the field of sustainable tropical design with not only our designer, but our whole team dedicated to innovation and excellence in tropical housing.

Fields Of Commerce

Construction

Target Industries

Housing
Commercial
Hospitality

Specialist Areas Of Tropical Expertise

- Sustainable homes for the tropics
- Access and facilities for people with disabilities
- HIA GreenSmart professionals

Company Profile

Kenick Constructions is a locally owned and operated construction company in Cairns, North Queensland. From small renovations and commercial projects to large custom designed homes we combine innovative construction approaches with evolving trends and attitudes. We are the local experts in the field of affordable sustainable tropical design with not only our designer, but our whole team dedicated to innovation and excellence in affordable tropical housing.

At Kenick Construction you will find a unified team of highly skilled and dedicated professionals who are passionate about providing you with a specialised custom building service.

Owner Kent Hams, a born and raised local, brings with him over 25 years experience in the Cairns building industry. He has used this professional knowledge to personally handpick the best tradespeople and suppliers for Kenick Constructions. Customers can be assured they will receive friendly, professional service and quality results, first time, every time. To ensure customer satisfaction, Kent oversees each and every construction, dealing direct with the client through the entire building process. It is this transparent, honest and supportive network that helps Kenick Constructions build customer relationships and a successful business.

From inception to well beyond completion, we aim to provide hands on, professional, friendly service and have unparalleled expertise in the field of sustainable and accessible housing. Three of our team are HIA GreenSmart professionals and we access a network of leaders in the field of innovation in tropical construction through our links with the Tropical Green Building Network. We are building the newest 9.5 star rated energy efficient display home in Cairns. Kenick Constructions prides itself in promoting better housing for our unique environment.

Technologies & Capabilities

- HIA GreenSmart accredited
- Established team of professionals and consultants from energy ratings to accessible design
- Residential and light commercial construction, repairs and alterations



Year Established

2009

Management Team

Kent Hams, Director
Ian Barkley, Estimator
Piet Baxter, Construction Manager
Rachel Whymark, Sales and Marketing

Certificate & Quality Approvals

BSA 1176258
Bachelor in Business Management
Diploma in Sustainability
HIA GreenSmart Professionals

Awards

- Housing Industry Association Employer of the Year (Far North Queensland) - 2011
- Skill360 Host Employer Excellence Award for Corporate Social Responsibility - 2012

Company Background

Owner Kent Hams has been in the construction industry in Cairns for over 25 years. Training as carpenter, he has worked for many of the larger housing construction companies in the area, before deciding to become an accredited builder himself. His reputation as an exemplary carpenter assisted him in quickly becoming an established builder in his own right.

This reputation brought to Kenick the best tradesmen and consultants, most of whom have had a long standing working relationship with Kent for many years.

Australian Projects

We are currently constructing the newest 9.5 star sustainable display home in Cairns.

Our 8 star energy rated home (which would have been 6.5 stars normally) was the only Project Built display home accepted into Sustainable House day 2011 and received over 250 visitors on the day.

We undertake many renovation projects, small and large, and pride ourselves in offering unique sustainable solutions to clients.



Kilfoy Cabinets



ABN 12 567 553 449
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Email emma@kilfoycabinets.com.au
Web www.kilfoycabinets.com.au
Address Units 2-4, 18-20 Toohey Street
Portsmith, Cairns QLD 4870

Kilfoy Cabinets manufacture high quality cabinetry for domestic and commercial fitouts. Our products include kitchens, vanities, laundries, wardrobes, office fit-outs and custom made furniture.

Fields Of Commerce

Manufacturing

Target Industries

Houses, residential developments, shop and office fit-outs.

Specialist Areas Of Tropical Expertise

Our selection of materials and cabinetry manufacturing processes are guided by years of experience and knowing what works in the tropics. Our products are backed by quality workmanship and our satisfied customers are important to the long term success of our business.

Target Export Markets

Papua New Guinea

Type Of Export Business Sought

Direct Export



Company Profile

Kilfoy Cabinets has been making high-quality kitchens in Cairns since 2003. Our customers range from first home buyers to empty nesters and our design to install service offers you innovative designs with honest, reliable service. And by using "Dynamic Space" design concepts we can ensure our work is of the highest quality.

So whether it's a kid friendly kitchen, an investment property or an empty nester makeover, our experience and quality craftsmanship will meet your exact needs.

Technologies & Capabilities

Over time we have invested in state of the art software which enables us to design and produce design concepts our competitors can not. Our factory is capable of cutting three average sized kitchens per day.

We use the Laminex Greenfirst range of products. The Laminex Group offers an extensive range of environmentally- preferable surface solutions that meet or, in many cases, exceed industry standards. These include:

- Low emission products – low formaldehyde (E0, Super E0 and No Added Formaldehyde) and low Volatile Organic Compound (VOC).
- Timber certifications - Forest Steward Council® (FSC®) Chain of Custody (CoC), Australian Forestry Standard/Programme for the Endorsement of Forest Certification Schemes (AFS/PEFC) certified sites and products.
- An ever-increasing range of ecospecifier GreenTag® GreenRate independently certified products.

The Greenfirst range underpins a healthy workplace and gives us the satisfaction of knowing that we are taking care of our customers.

Company Background

Established in 2003 our company began under our Queenslander home and has grown to encompass approximately 400m2 factory with a modern and innovative boutique showroom.

Year Established

2003

Management Team

Shaun Kilfoy, Director
Emma Kilfoy, Administration, Marketing

Awards

HIA, Best new kitchen up to \$20,000, 2011
HIA, Best kitchen, 2010
HIA, Best renovator, 2008

Kingspan Insulation

ST

ABN 44 100 405 025
Contact Wayne Lawrence
Phone +61 (0)7 3635 6810
+61 (0)448 883 278
Email wayne.lawrence@kingspan.com
Web www.kingspaninsulation.com.au
Address 10/10 Depot Street
Banyo, Brisbane QLD 4014

Kingspan Insulation is the world-leading manufacturer of innovative, high performance insulation products which help reduce the carbon footprint of the built environment.

Fields Of Commerce

Manufacturing
Wholesale

Target Industries

Residential
Commercial construction

Specialist Areas of Tropical Expertise

Radiant heat barriers
Anti-condensation performance

Management Team

Scott Gibson, Managing Director
Nick Martinovich, Commercial Director
Steve Ketzer, National Sales Manager
Karim Muri, Marketing Manager
Keith Anderson, Technical Manager

Company Profile

Kingspan Insulation is the world-leading manufacturer of innovative, high performance insulation products which help reduce the carbon footprint of the built environment.

The hot humid tropics benefits from the radiant heat barriers offered by the Kingspan products where the heat is repelled during the day and not trapped. The anti-condensation work performed by Kingspan AIR-CELL® is another important function, reducing moisture and mould and promoting healthy comfortable buildings in the tropics.

Technologies & Capabilities

Kingspan Insulation is the manufacturer of AIR-CELL®, Australia's No. 1 fibre-free thermo-reflective insulation brand and Kooltherm®, a world-leading super high performance rigid thermoset cellular insulation.

Kingspan AIR-CELL® is a 3-in-1 insulation, vapour barrier and radiant barrier. It is fibre-free, non-allergenic, non-irritant, quick and easy to install, strong, tough, durable, water-resistant, unaffected by moisture, rodent and insect resistant.

The Kingspan Kooltherm® range is an extensive range of super high performance rigid cellular insulation for roofs, walls and floors.

Kooltherm® offers the following benefits:

- Super high performance rigid cellular insulation
- Ultra low conductivity
- Fibre-free insulation core
- Group 1 BCA fire classification
- Resistant to the passage of water vapour thanks to its closed cell structure
- Easy to handle and install - speed up building construction
- Ideal for new build and refurbishment
- CFC/HCFC free with zero Ozone Depletion Potential (ODP)
- Compliant with AS/NZS 4859.1:2002
- Ideal for both home insulation and commercial insulation



Year Established

1997

Current Export Markets

New Zealand
Indonesia
Malaysia
Singapore
UAE
Qatar

Target Export Markets

South Korea

Type Of Export Business Sought

Direct export
Partnership

Certificate & Quality Approvals

CodeMark

Awards

HIA GreenSmart Product of the Year
MBA Export Award
GAIA Innovative Product Award
Master Builders Housing Award for Excellence in Building, Sunshine Coast

Company Background

Originally established in 1997 as Air-Cell Insulation, the company became Kingspan Insulation after it was acquired in 2009.

As Air-Cell Insulation, the company pioneered flexible thermo reflective insulation in Australia and is today the country's leading brand in the segment. Thermo reflective insulation is known to have many benefits particularly in the tropics where radiant heat is a major issue.

International Projects

- Sylvia Park Shopping Centre, Auckland, NZ
- Toyota Spare Parts Warehouse, Jakarta, Indonesia
- Supreme Court building, Kuching, Sarawak, Malaysia
- Marina Bay Sands Resort, Singapore
- Jaramco Hangar, Jordan
- ADAT Hangare, Abu Dhabi, UAE

Australian Projects

- Melbourne Convention Centre
- Perth Arena
- Peninsula Apartments, Perth
- Island Apartments, Perth
- Award-winning homes:

Master Builders Housing Award for Excellence in Building, Sunshine Coast

Birregurra Sustainable Home, VIC

The Convertible House, VIC

Mandurah Sustainable Home, WA

Subiaco Sustainable Home, WA

Quattro Sustainable Home, WA

- North Queensland building projects, industry organisations and initiatives have been supported by Kingspan over the years



Lancini Group of Companies



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Garbutt, Townsville QLD 4814

The Lancini Group of Companies develops, manages and invests in property – predominantly commercial property being shopping centre property.

Fields Of Commerce

Project management
Property investment
Construction management
Property management

Target Industries

- Development of commercial buildings for the retail industry

Specialist Areas Of Tropical Expertise

- Energy and building management of commercial building post occupancy to meet GreenStar requirements, aligned with NABERS for owned properties
- Project Manager for the Design & Development of Townsville's first 5-star GreenStar commercial building, 420 Flinders St (current project)

Company Profile

The Lancini Group of Companies is a progressive property development group that excels at recognising, developing and building high quality residential, industrial, commercial and retail property.

Established in 1981 and operating throughout Queensland, the group is well known for its ability to deliver a property need from concept to completion.

The recipient of many industry celebrated State Awards the Lancini Group of Companies is considered by many as the premier property developer in North Queensland.

In December 2011, the Lancini Group was selected by State owned, Ergon Energy as the successful tenderer to develop and construct a 6800 sqm, 9 level office building at 420 Flinders Street in Townsville's Central Business District. The tower will be the first commercial high rise to be built in Townsville in more than 20 years. When built the building will be the first high rise office building in Townsville to achieve a 5-star GreenStar rating and a 4.5 NABERS office energy rating.

Technologies & Capabilities

Comprising of a development team, a construction team, a property management & leasing team and a financial management team (with each team complementing the other), the Lancini Group can and will deliver on any given property task.

Specific to the green build sector, the Lancini Group will be providing project management for the design and development of the Ergon Tower that will achieve a 5-star GreenStar rating and 4.5 NABERS office energy rating.

The Lancini Group of Companies will act as the Project Manager / Superintendent for the integration of GreenStar Consultants (from Hutchinson Builders) in the design process.



Year Established

1981

Management Team

Laurence Lancini, Managing Director
Chris Sherwood, General Manager
Michael Agapiou, Senior Property Manager
Luke Guazzo, Chief Financial Officer
Scott Nosedo, Project Manager

Certificate & Quality Approvals

Commercial builders licence
Residential builders licence
Quality certified for construction of Government buildings

The Lancini Group is a member of the Chamber of Commerce & Industry Queensland, Urban Development Institute of Australia, Housing Industry Association, Property Council of Australia and Townsville Enterprise Limited.

Awards

The Lancini Group has won over 400 awards in Queensland.

Company Background

The sole director of Lancini Group of Companies, Laurence Lancini, commenced his construction business some 30 years ago. He started as a house builder based in Townsville and progressed over the years to grow his construction business to a state wide operation covering all aspects of construction. Today his portfolio covers all facets of the property industry - from commercial, industrial and retail properties.

His team includes design, construction and development managers, accountants, property management professionals and long term support staff.

His business now is predominately property development with his team providing all requirements to deliver initial concepts to the end product.

Operating throughout Queensland the Group, and Laurence in particular, has established strong relationships with various levels of Government, retailers, construction and property industry professionals. These relationships pave the way for the Lancini Group to be in touch with property opportunities with the knowledge and experience to be able to convert these opportunities into successful viable developments.

The Lancini Group also retains within its portfolio and manages a diverse range of retail and industrial properties across various locations in Queensland.

Australian Projects

The Lancini Group of Companies have completed numerous construction projects in Townsville, Mackay, Brisbane, Central Queensland and Cairns.

Townsville examples include:

- Shopping centres - Woolworths CityPoint, Fairfield Central
- Commercial shopping & homemaker centres - Domain Central & Woolcock Supa Stores
- Industrial - Tradelink, TJM, Blackwoods, Woolcock Street Business Park
- Residential - Multi-residential unit complexes at "24 The Strand", "Portsea" (12-14 Hale Street) and "Empyrean" (Gregory Street)



Lawson Design



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Contact Tony Lawson
Phone +61 (0)7 4053 2058
Email tony@lawsondesign.com.au
Web www.lawsondesign.com.au
Address 12 Glenlea St
Edge Hill, Cairns QLD 4870

Lawson Design is a building designer & builder specialising in new houses and renovations. Areas of expertise include tropical design, healthy homes, innovative concepts, organic architecture and unusual projects.

Target Industries

Housing - new & renovations

Specialist Areas Of Tropical Expertise

House design
Building material specification

Year Established

1992

Management Team

Tony Lawson, Principal
Karyn Lawson, Partner

Certificate & Quality Approvals

Member Building Designers Association QLD
Member Master Builders Association
Endorsed Sustainable Building Designer

Awards

- Two National design awards
- Five State design awards
- 23 Regional design awards

Company Profile

Tony Lawson is a well established building designer and builder specialising in unique homes for tropical living. Established in 1992 Lawson Design is a boutique operation focusing on personalised attention to all clients. An advocate of tropical architecture Tony provides clients with houses specifically designed to suit their desires.

Australian Projects

Lawson Design focuses mainly on Queensland but has completed projects across Australia.

Tony Lawson
Building designer

Martin Clark



ABN 52 270 939 950
Contact Martin Clark
Phone +61 (0)400 232 468
Email troppo19@gmail.com
Web www.people.aapt.net.au/jclark19/
Address 10 Manuka Court, Bushland Beach
Townsville, QLD 4818

Martin Clark is a Townsville based town planning consultant and building designer. As part of his practice he carries out research and development of tools and guidelines for tropical climate appropriate urban planning, building design and building construction.

Fields Of Commerce

Consulting & Research

Target Industries

Residential developments
Commercial & Industrial developments

Specialist Areas Of Tropical Expertise

Climate responsive building design
Climate responsive subdivision design
Dry tropics landscaping (with associates)

Certificate & Quality Approvals

Building Designer (QBSA Licence 31268)
Housing Industry Association GreenSmart Accredited Professional

Company Profile

Martin Clark began offering town planning and tropical building design advice consultancy services in 2009.

Martin Clark has 42 years experience in town planning, building design and construction management in the UK, Papua New Guinea and Australia.

Prior to 2009, Martin Clark worked for many years with the Townsville City Council (and the former Thuringowa City Council) providing town planning advice and tropical building and urban design guidance.

Martin Clark was a lecturer in Architecture at the Papua New Guinea University of Technology 1987-1989 and lecturer in construction management at James Cook University, Townsville 1990-1994.

Technologies & Capabilities

- Building designer QBSA 31268
- Town planning
- Specialised capabilities in climate responsive building & urban design for a tropical climate

Year Established

2009

Management Team

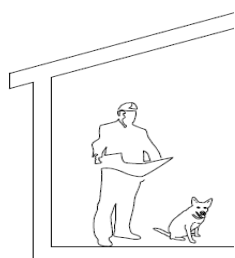
Martin Clark, Principal
Roger Clark, Associate / Sub-contractor (landscaping, horticulture)
Matthew Clark, Associate / Sub-contractor (surveying, drafting)

Australian Projects

- Since 2009, numerous small design commissions and advocacy works
- Team member, research and writing for the City of Thuringowa Planning Scheme 2003

Awards

- Planning Institute of Australia, Queensland Merit Awards - Excellence in Planning 2003 (for two items relating to tropical climate responsive design as sole author and team member)
- Numerous team awards for work prior to 2000.



Matrix Projects (Qld) Pty Ltd



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Email michael.fung@matrix.com.au
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Address Level 1, 2 Industrial Ave
PO Box 128
Stratford, Cairns QLD 4870

Matrix is a project management and construction company. Our services include feasibility through to post-construction and maintenance.

Fields Of Commerce

Construction
Project management
Indigenous research

Target Industries

Matrix targets mining, public infrastructure, housing, commercial, industrial, aged care & retirement and mid to high rise residential.

Specialist Areas Of Tropical Expertise

Design and construct in tropical regions

Company Profile

Matrix is ranked 26th in Queensland's Top 400 list of privately owned companies. Matrix is PQC3 qualified and holds accreditation to the Australian Government Building & Construction OHS Scheme which allows us to focus on the delivery of high risk Federal/State government and Institutional projects. Matrix has delivered over 500 projects with a total value in excess of \$1.7 billion and is accredited nationally and internationally for safety, quality and environmental with AS/NZS ISO 9001:2008, AS/NZS 4801:2001 and ISO 14001:2004. Matrix is also a Member of the Green Building Council Australia and has delivered several 4 and 5 Star Green Star projects.

Our Brisbane based operations have been established for 22 years and our Northern Australia operation has been established for 15 years. Matrix is headquartered in Brisbane, with regional offices in Sydney, Townsville, Cairns, Darwin, Gladstone and Papua New Guinea. Matrix is focused on attracting, retaining and developing talented people and providing them with the means to offer innovative project solutions. This produces quality results and valued outcomes for our clients and contributes to our reputation for innovation and a strong work ethic.

The Matrix team has developed a strong culture of open communication, honesty and respect in dealing with clients, subcontractors and fellow staff members. We are driven by our customers' needs and maintain a goal of obtaining repeat clients.

Technologies & Capabilities

Our 170-strong team offers superior service from project inception to beyond final completion. More than just a construction company, Matrix has extensive experience in project and design management, planning, feasibilities, as well as the delivery of superior built products. Our business was founded by construction professionals and the pedigree of our senior management ensures that whilst Matrix is able to deliver projects at a competitive price, our operations are underpinned by planning and risk management strategies, and we maintain and develop the highest standards in safety, quality, environmental and sustainability objectives.

Sustainability:

Throughout all stages of our projects, Matrix aims to identify opportunities to manage and reduce energy, water usage and waste production. Matrix looks for smarter ways of incorporating energy management into an asset's life throughout design and construction.

MATRIX

Our People | **Your Success**

Year Established

1990

Management Team

John Davies, Executive Director
Geoff Dunnett, General Manager, Matrix Projects
Darryl Meehan, General Manager, Matrix Homes
Darren Timms, General Manager, 50Plus
Greg Henderson, General Manager, Matrix Mining
Mark Payne, CFO
Michael Fung, Group BDM

Certificate & Quality Approvals

Matrix is accredited nationally and internationally for safety, quality and environmental with AS/NZS ISO 9001:2008, AS/NZS 4801:2001.

Our Environmental Management System has achieved certification to ISO:14001.
Matrix is a member of the Green Building Council of Australia and over 75% of our management team are Green Star Accredited.

Company Background

Matrix is privately owned by John Davies and Peter Burt. John and Peter are ex-Civil & Civic staff and formed the company 22 years ago. The company started in construction in the housing and industrial sectors in and around the Gold Coast and has grown substantially into all market segments in the private and public sectors across Queensland, NT, PNG and Northern NSW.

The company is underpinned by strong values based on leadership, relevance, commitment, teamwork and integrity. In addition to these core values, Matrix strictly adheres to the principles of quality, safety and sustainability on all our projects.

International Projects

Matrix has commenced a number of small to medium sized projects in PNG.

Australian Projects

Matrix current Australian projects and recently completed projects span a number of market segments and includes the following:

Public works and infrastructure:

Cairns Airport Domestic Baggage Terminal, Cairns Port Authority
Mareeba Police Station
Saltwater Civil - Townsville

Health and education:

North Cairns Community Health Centre
Townsville Hospice - Townsville Base Hospital - Cancer Council Qld
Cairns Tafe J Block
Cairns Tafe Trades Training Centre Block C Redevelopment
Great Barrier Reef International Marine College
Six North Queensland's Schools - Building the Revolution Education Program
Mareeba State School

Residential, resort and aged care:

Coconut Grove - Port Douglas
Gateway on Palmer - Townsville
The Beach Club - Palm Cove

Commercial:

Cairns Rainforest Dome
Cairns Square
Metcash Distribution Warehouse Cairns
Coles Deeragun
PDF Coldstores Townsville

Remote And Regional Experience Project:

Matrix has the capability, local knowledge and desire to deliver projects in remote and regional areas of Australia. Our long standing presence in North Queensland in particular has equipped us with the specialist skills and know-how required to properly manage often challenging remote and regional projects on behalf of our clients. The Matrix team has significant expertise delivering projects in the Torres Strait, Northern Peninsula and Cape York. For example, our people have been involved in design and construct projects in Bamaga, on Thursday Island, Boigu Island, Saibai Island and others off the Australian Coast.

MATRiX

Our People | **Your Success**

Memcool



ABN 76 867 979 713
Contact Ky Wilms
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+61 (0)434 406 045
Email kywilms@myway.com
Address 58 Barbarra Street
Magnetic Island
Townsville QLD 4819

Memcool is a new external insulation technology which can be applied in many other aspects & areas of building. The system has been developed and after 5 years of R&D (documented) has reached the stage of final approval, certification and market placement. Inventor Ky Wilms seeks capital to implement the suggested strategy and to set up a leadership team to manage these challenges and funds in the best interest of the investor. A single company/investor with an existing infrastructure in the building industry would be the ideal partner.

Fields Of Commerce

Product development and commercialisation
Licensing
Franchising

Target Industries

Hardware stores, Asbestos removal companies, Shed and patio manufacturers, Sign writers, Green house suppliers, Steel shed assembly companies, Roofing contractors, Insulation contractors, Builders, Architects, Handymen, Camping, Internet

Specialist Areas Of Tropical Expertise

External insulation

Company Profile

Memcool is a new insulation technology. After 5 years of R&D (documented) it has reached the stage of final approval and certification.

If commercialisation can be achieved, the Memcool system will be a competitive alternative to existing insulation methods for both the Australian and international markets.

The product is currently at the performance testing stage and support is being sought to empirically establish the heat reflecting and cooling properties of the system with a view to providing a basis for commercial production.

Marketing channels have already been established.

Technologies & Capabilities

With Memcool a system is available which can be fitted or retrofitted by existing trades people like roofers, builders, plumbers or competent handymen. Compared with other methods of insulation this technology is superior to existing methods and materials in all applications and aspects of usage and handling.

The main advantages of Memcool are:

- Protects against heat and cold
- Reduces air conditioner usage
- Protects against erosion, corrosion and the sound of rain on metal roofs
- Can be retrofitted - even around water tanks and silos
- Could be implemented by roofers and related trades (Class C building permit)
- Replaces all existing methods of insulation in most cases
- Memcool can be an addition to existing methods of insulation
- Barrier against environmental pollutants
- For protection against dust and debris on building sites
- Protection against hail for glass houses
- Protection against asbestos fibre drift prior to and during demolition

Energy savings of up to 40% are anticipated after halving the temperature entering the building while creating cross ventilation in the process.

Memcool

Year Established

2010

Management Team

Ky Wilms, Managing Director & Inventor

Target Export Markets

Worldwide

Type Of Export Business Sought

Direct export
Joint venture
Partnership
Licencing

Certificate & Quality Approvals

Performance certification in progress

Technology or Patent Ownership

In progress

Company Background

Memcool is a new external insulation technology which can be applied in many aspects & areas of buildings.

The system has been developed after 5 years of R&D (documented) and has reached the stage of final approval, certification and market placement.

All intellectual property rights are with the inventor Ky Wilms.

A patent has not been applied for (no priority date has been established) but contacts with patent attorneys have been made.

The logo for Memcool, featuring the word "Memcool" in a bold, blue, rounded font with a slight shadow effect.

MIXEDORBS



ABN 75 685 408 748
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Web www.mixedorbs.com.au
Address PO Box 422
Garbutt East, Townsville QLD 4814

MIXEDORBS provides a landscape architectural consultancy service specialising in design and documentation. A small private business focusing on the design of streetscapes and recreational spaces, residential design, detailed landscape design and signage / entry statement design.

Fields Of Commerce

Landscape architecture
Consulting services

Target Industries

Residential developments & privately owned residences
Commercial and industrial developments
Government

Specialist Areas Of Tropical Expertise

Tropical planting design
Outdoor rooms and features
Recycled materials
Tropical health & therapeutic garden design

Year Established

2011

Management Team

Renee Jezard, Director, Landscape Architect

Company Profile

MIXEDORBS, a hybrid business infused with creative energy and woven dimensions of art + science.

MIXEDORBS "art + science" is a landscape architectural design firm that recognises the importance of outdoor living and draws inspiration from nature. Respect for the environment and a healthy lifestyle, together with artistry and technology, form a winning combination in the landscape. MIXEDORBS understands the synergy between "art + science" and strives to produce sustainable, healthy and inspiring landscape designs from a unique perspective.

Technologies & Capabilities

Equipped with AutoCAD, Adobe Graphic Design packages and Microsoft Word, Excel & Powerpoint capabilities.

Company Background

MIXEDORBS, established since 2011, is a registered firm (recognised by the Australian Institute of Landscape Architects) based in Townsville. Project experience currently includes landscape work for government agencies and for the private sector. Areas of expertise include:

- Streetscapes
- Recreational spaces
- Residential and commercial design
- Detailed landscape design including signage/entry statements and graphic design

Australian Projects

Design and documentation of panorama information signs and lookout areas, fitness trail signage, fauna & flora interpretive signage & Lannercost Street intersection in Ingham and surrounding beach areas.

Detailed design for a residential project at Stanton Terrace in Townsville (North Ward) including privacy screening, outdoor deck, lighting and tropical planting designs.



MMP Architects

McElroy Morrisson Pierce Architects Pty Ltd



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Parramatta Park, Cairns QLD 4870

MMP Architects are a multi-disciplinary architectural practice regularly carrying out projects from residential housing to multiple dwellings to commercial, institutional and industrial.

Our multiple award winning team has expertise in master planning, project management, tropical design and sustainability as well as interior design.

Fields Of Commerce

Consulting
Design
Project management

Target Industries

Private and public housing, public infrastructure, commercial development, residential development, private and public institutional development, tourism development

Specialist Areas Of Tropical Expertise

GreenStar design
Sustainable building design
Tropical lifestyle architecture

Company Profile

McElroy Morrisson Pierce Architects Pty Ltd is one of Far North Queensland's most experienced architectural firms with its beginnings in 1954 when Jack McElroy established his Cairns based practice.

The firm has been instrumental in the successful completion of a wide variety of projects including residential, commercial, institutional and tourism / hospitality.

Directors Farrell Morrisson, Peter Pierce and Michael Martino focus on personalised, professional service and aim for quality and design excellence.

In excess of thirty awards over recent years from both the Australian Institute of Architects and other industry bodies are testament to this aim, and we enjoy a growing list of repeat clients who appreciate our work ethic and share our design philosophy.

MMP Architects operates out of a purpose built office development in Cairns.

Technologies & Capabilities

MMP Architects uses advanced 3D modelling software for all projects enabling realistic visualisation, thermal and light modelling thorough performance analysis.

We are currently staffed by 3 director architects, 2 senior architects and additional CAD and administrative staff.



Year Established

1954

Management Team

Peter Pierce, Director
Farrell Morrisson, Director
Michael Martino, Director

Target Export Markets

Papua New Guinea
Pacific Islands

Type Of Export Business Sought

Direct export
Joint venture
Partnership

Certificate & Quality Approvals

Self Assessed to AS_ISO9001..2008

Awards

- 2011 – Rattle Side Bar - RAIA commendation
- 2010 – St Stephens College, Mareeba – RAIA commendation
- 2008 – Hilton Blue Horizon Chapel – RAIA commendation
- 2007 – St Augustines Hall, Cairns – RAIA Building of the Year
- 2003 – Hartleys Crocodile Adventures – RAIA Building of the Year and Sustainable Building Award.

Company Background

Jack McElroy began practice in far north Queensland early in his career and being one of the few architects resident at that time became an instrumental part of the growth of the region, contributing to many significant building developments over a period of 3 years before combining with Farrell Morrisson. After Jack's retirement his legacy has been expanded, with Peter Pierce and then Michael Martino becoming directors. Through ongoing training and the latest technology the firm has further developed the expertise and understanding of tropical architecture gained over more than 50 years.

Australian Projects

- Paradise Palms golf course clubhouse & residential estate, Cairns
- Hartleys Crocodile Adventures tourist facility, near Cairns
- Paradise Palms "The Keys" and "The Greens" resorts, Cairns
- Cairns International Hotel refurbishment
- Hilton Hotel wedding chapel, Cairns
- St Michaels School master plan and redevelopment, Gordonvale
- St Francis Xavier's School master plan and redevelopment, Cairns
- St Stephens Secondary College master plan and staged development, Mareeba
- James Cook University Cairns Campus stage 1 and Student Services precinct
- St Thomas School master plan & staged redevelopment, Mareeba
- CSIRO laboratories, Atherton
- Rattle'n'Hum restaurants, Cairns, Sydney and Port Douglas
- Pier Bar and Grille, Cairns
- Cairns Hilton refurbishment
- PJ O'Briens Irish pub, Cairns
- "Canopy's Edge" over 55's Village, Cairns (Smithfield)



Naked Energy

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Address 31F, Campus Shopping Village
5 Faculty Close
Smithfield, Cairns QLD 4878

Naked Energy are a renewable energy company that specialises in the supply and installation of solar, solar hot water, wind and other energy efficient products. We offer extraordinary customer service, products and prices.

Fields Of Commerce

Sales & installation
Consulting
Research & Development

Target Industries

Public infrastructure, Residential, Mining, Government, Commercial

Specialist Areas Of Tropical Expertise

Energy production
Power - solar, tidal and wind
Biofuel
Elemental power

Target Export Markets

Papua New Guinea
Fiji
Samoa
New Caledonia

Type Of Export Business Sought

Joint venture

Naked Energy
go natural

Company Profile

Naked Energy is a leader in the development and supply of energy efficient and sustainable solutions for residential, industrial, commercial and community applications. A firm vision for a clean future and strong belief in relationships is what will continue to set us apart in all our undertakings.

Technologies & Capabilities

We have the ability to produce clean elemental renewable power on an individual level all the way to a community level through solar, wind, water and newer technology application.

Year Established

2011

Management Team

Wade Allen, Managing Director
Ben Beattie, Technical Director
Denis Zuvelek, Operational Director
Andrew Snelleman, Installation Manager

Certificate & Quality Approvals

Clean Energy Council Accreditation
Master Electrician
BSA Plumbing and Gas Fitting
Electrical Contractors License
Plumbing & Gas Fitting License

Company Background

Cairns based company started in 2011 by Wade, Ben and Denis as a result of wanting to bring honesty and integrity to a new technology market to allow all Australians the knowledge and potential power of renewable energy.

International Projects

Still in very early stages.

Australian Projects

- Torres Strait Island Economic Development Joint Venture for renewable energy solutions (discussion phase)
- Large commercial solar projects in Cairns region
- Numerous residential installations in Cairns region

Northern Consulting Engineers



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Contact Tim Messer
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Currajong, Townsville QLD 4812

Northern Consulting Engineers is a North Queensland owned and operated company that specialises in civil and structural engineering. The company's capabilities extend from initial planning advice through detailed design, documentation and application phases to construction supervision and final certifications.

Specialist Areas Of Tropical Expertise

- Cyclonic design and engineering of building
- Advanced analysis of Fibre Reinforced Polymer (FRP) systems for tropical areas
- Storm water management

Company Profile

Based in Townsville, Northern Consulting Engineers is a North Queensland owned and operated company that specialises in civil and structural engineering. The company's capabilities extend from initial planning advice through to detailed design, documentation and application phases to construction supervision and final certifications.

Founded by Milton Messer in March of 1997, and commencing operation with a staff of four, Northern Consulting Engineers has more than 10 years of experience in North Queensland engineering practice. Milton operated the business as a sole trader until June 2003 when the company was incorporated.

Northern Consulting Engineers now has a staff of 23 including four directors, professional engineers, project managers, draftspersons and administration personnel.

Technologies & Capabilities

Northern Consulting Engineers' civil engineering team offers services relating to the development of residential, commercial and industrial land. This includes engineering feasibility reporting and conceptual layout design recommendations. The company has the capacity to offer quality engineering guidance throughout the entire development process. With good working relationships with councils and various government agencies, the company is able to provide effective and timely outcomes.

Civil Engineering Team

The civil engineering team specialises in the design and documentation of earthworks, roadworks, stormwater systems, water supply reticulation, sewerage supply reticulation, erosion and sediment control and service conduit installations. Northern Consulting Engineers provides efficient and effective solutions with due consideration to all aspects of civil engineering.

Structural Engineering Team

Northern Consulting Engineers' structural engineering team develops high-quality yet cost-effective solutions for the development of residential, commercial and industrial complexes and buildings. This includes engineering design and documentation for a wide range of projects from residential footing designs and tilt-panel warehouse structures through to multi-level unit developments and shopping centre precincts.

The structural engineering team works closely with a range of local architects and building designers, as well as professionals further afield in Brisbane, to achieve the clients' desired outcomes. Experienced personnel are available to assist with town planning applications for commercial and industrial developments and the company also has the personnel to design residential and small-scale commercial on-site sewerage treatment systems.



Year Established

1997

Management Team

Karen Messer, Managing Director
Tim Messer, Director

Certificate & Quality Approvals

Registered Professional Engineers of Qld
Chartered Professional Engineers
National Professional Engineers Register

Company Background

Founded by Milton Messer in March of 1997 and commencing operation with a staff of four, Northern Consulting Engineers has more than 10 years of experience in North Queensland engineering practice. Milton operated the business as a sole trader until June 2003 when the company was incorporated, currently employing a staff of 23 professionals.

Australian Projects

Current Projects:

- Retaining Wall Victoria Street
- Retail shopping centre, Yeppoon
- "Brendale Estate", Townsville
- "Bushland Beach Estate", Townsville (Bushland Beach)
- Holmview Central Shopping Centre, Logan City
- Warehouse development, Townsville (Garbutt)
- Multi-storey residential Bushland Beach and Yarrowonga Estate
- "Bushland Grove", near Townsville (Mount Low)
- Retail shopping centre, Brisbane (Carseldine)
- Townsville Civic Theatre extensions
- 27-29 Corporate Crescent, Townsville
- 98 The Strand, Townsville (North Ward)

Past Projects:

- Retail shopping centre, Yeppoon
- Domain Central, Townsville
- "Summerville Gardens", Townsville
- Victoria Point, Brisbane
- Woolworths development, Townsville
- Cowboys Leagues Club, Townsville
- Office and industrial buildings, Townsville
- 12 unit development, Townsville
- 42 unit development, Townsville
- Port Hinchinbrook Resort, north of Townsville
- Woolworths development, Townsville (Fairfield Waters)
- Apartments 30 Gregory Street, Townsville



NQ Shade Systems

ST

ABN 96 139 739 852
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Phone +61 (0)405 321 064
Email info@nqshadesystems.com.au
Web www.nqshadesystems.com.au
Address PO Box 7427
Garbutt, Townsville QLD 4814

NQ Shade Systems is a retailer and installer of unique and extraordinary exterior shade products including retractable awnings for cyclone resilience.

Fields Of Commerce

Retail
Installation

Target Industries

Residential - including pool shades
Commercial - including tourism & hospitality

Specialist Areas Of Tropical Expertise

Exterior shading systems
Retractable exterior shading systems

Year Established

2010

Management Team

Chris Hough, Owner/Manager/Installer
Michelle Hough, Owner

Company Profile

NQ Shade Systems specialise in shade products that are well suited to our tropical climate and mainly targeted towards residential and commercial clients.

All of our products are unique to the region in that they can be retracted in some way whether it be manually or automatically avoiding damage in high winds and cyclonic situations.

Technologies & Capabilities

NQ Shade Systems specialise in the sales and installation of outdoor shade products, including exterior blinds, fixed awnings and giant umbrellas.

NQ Shade Systems are authorised distributors and installers of ALUX-OR folding arm awnings and the Sea Shell retractable shade sail.

The Sea Shell awning is Australian designed and made and is the only retractable sail/awning capable of withstanding winds speeds of up to 180 km per hour. It is designed to self retract in winds around 60 to 70 km per hour.



NQ Solar - The Energy Hub

ST

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Cairns QLD 4870
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Hyde Park Shopping Centre
Townsville QLD 4812

NQ Solar is proudly Australian owned and operated. We provide and install photovoltaic grid connect solar systems, stand alone solar systems and hot water heat pumps. We also supply generators, regulators, batteries, inverters, camping/boating solar panels and LED lighting.

Fields Of Commerce

Consulting
Distribution
Technical support
Wholesale

Target Industries

Mining
Agriculture
Public infrastructure

Specialist Areas Of Tropical Expertise

Photovoltaics
Solar thermal
Energy efficiency
Heat pumps

Company Profile

NQ Solar services North Queensland from Cape York to Mackay. We are 100% locally owned and operated with over 20 years of electrical experience. The team at NQ Solar is dedicated to providing our customers with personalised service that will meet and exceed their expectations.

At NQ Solar we supply only the best monocrystalline solar panels specifically designed to withstand the harsh, humid climate of tropical North Queensland.

Our quality solar systems are compliant with Australian standards and provide highly efficient, reliable, electricity generation. All of our solar components come with generous and secure warranties.

Technologies & Capabilities

We are capable of reaching remote communities and supplying shipping services with our stock on hand.

We can fill large orders as we have strong buying relationships with our suppliers and our team of electricians are employed directly by NQ Solar.

NQ Solar has a custom made, cyclone rated solar mounting system designed specifically for our region.

We only stock high quality items including SunPower and ET Solar panels. We are one of only two Queensland based authorised SunPower partners. NQ Solar also supply and install SMA, Power-One - Aurora and EnaSolar inverters.



Year Established

2007

Management Team

Rob Collins, Director
Sarah Harlen, Cairns Branch Manager
Simon McKay, Townsville Branch Manager
Stacey Dobis, Marketing Coordinator

Certificate & Quality Approvals

Clean Energy Council accredited installers
Clean Energy Council accredited designers
Member of Institute of Engineers Australia
Cyclone rated mounting system (structurally certified)

Company Background

NQ Solar commenced operations in Cairns in October 2007 and Townsville in June 2009. We supply, install and service North Queensland from Cape York to Mackay and also offer our products online for further distribution.

Australian Projects

NQ Solar has provided solar to residential, commercial and government properties throughout North Queensland.

We have also installed large scale systems at various locations including:

- Aveo Parks Retirement Village, Cairns
- Margaret Ellen Fisheries, Mareeba
- 4 Cairns Regional Council waste water depots, Cairns
- Roadtek, Townsville
- Cairns Regional Council libraries at Smithfield & Babinda
- Public buildings including Hambledon House, Cairns
- Cairns Regional Council BBQ's on the Esplanade, Cairns
- Cairns Botanic Gardens Visitor Centre, Cairns

NQ Solar has also installed off grid solar systems on Willis Island, Thursday Island, Zuna Island and Horn Island off the Far North Queensland coast.

In addition, NQ Solar has assisted a number of not-for-profit organisations apply for grants to install solar power through Queensland's Gambling Benefit Fund.



NRA Environmental Consultants



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Address Level 1, 320 Sheridan Street
Cairns QLD 4870

NRA is a specialised environmental consultancy that assists clients to fulfil their environmental management obligations and gain project approvals. NRA has practical experience in threatened species studies, Environment Protection & Biodiversity Conservation (EPBC) Act referrals, project impact assessments and the derivation and implementation of mitigation measures. We have offices in Townsville and in Cairns and a demonstrated track record of delivering a quality product on time and to budget.

Fields Of Commerce

Consulting
Contracting

Target Industries

Mining: ecological baseline studies
Mine planning
Approval processes and negotiation
Operational impact assessment
Rehabilitation and mine closure

Specialist Areas Of Tropical Expertise

Ecology and environmental studies
Water quality
Mine impact assessment
Approvals processes
Rehabilitation

Company Profile

NRA is a specialised environmental consultancy that assists clients to fulfil their environmental management obligations. Since the company was established over 27 years ago we have invested intensively in the development of specialised environmental assessment and management services.

Our consultants have specialised technical expertise in terrestrial (flora and fauna) and aquatic ecology, water quality management and soil management, particularly in the dry and wet tropics. Our senior professionals have extensive project management experience working routinely with specialists from other fields.

NRA is regularly engaged to undertake major project planning, investigations and project approvals. NRA's environmental scientists hold advisory and management positions on a range of consultative and environmental management committees. In addition, NRA consultants have practical experience in threatened species studies, EPBC referrals, project impact assessments, derivation of mitigation measures and implementation of these measures. NRA personnel have conducted over 500 flora and fauna surveys across northern Australia and senior scientists are recognised authorities in their respected disciplines.

We have offices in Townsville and in Cairns and a demonstrated track record of delivering a quality product on time and to budget.

Technologies & Capabilities

Project Management, Environmental Impact Assessment, Legislative Compliance, Environmental Management Systems, Site Environmental Management, Auditing, GIS Mapping and Technical Editing, Natural Resource Management, Land Resource Management, Erosion and Sediment Control, Waterways and Wetland Management and Restoration, Land Restoration, Conservation Management Planning, Sustainability Studies, Applied Ecology, Fauna and Fauna Habitat Assessment and Management, Threatened Species Management, Vegetation Assessment and Management, Freshwater Ecology and Assessment, Soil Science, Environmental Chemistry and Geochemistry, Water quality investigations, Statistics and Biometrics, Monitoring.



Year Established

1984

Management Team

Tim Anderson, Director
Neil Boland, Director
Ted Tudor, Exec Management Team
Shannon Wetherall, Exec Management Team
Martine Adriaansen, Exec Management Team

Current Export Markets

Papua New Guinea
Indonesia

Target Export Markets

Solomon Islands
South East Asia
East and West Africa

Type Of Export Business Sought

Direct export

Certificate & Quality Approvals

- Certified professionals in erosion and sediment control
- Certified environmental practitioners
- Certified lead environmental auditors
- NRA is committed to providing technically accurate and practical solutions that are responsive to the ecological and social environments. We operate under a Certified Integrated Management System that is JAS-ANZ accredited to AS/NZS ISO 9001:2008, AS/NZS ISO 14001:2004 and AS/NZS 4801:2001.

Awards

2009 Queensland Winner Sensis Social Responsibility Award

Company Background

NRA Environmental Consultants provides direct financial support to local community groups and Australia wide community organisations. Of critical importance is that we supplement this with intellectual support for capacity building within such organisations. This contribution was recently recognised when NRA received the Sensis Social Responsibility Award for Queensland in the 2009 Telstra Business Awards.

International Projects

Selected experience in the Papua New Guinea & South East Asia region includes the following.

- PNG Liquefied Natural Gas Project: Flora, fauna and weed clearance surveys
- World Bank: Review of Mining Legislation and policy in the Lao PDR
- Kelian Equatorial Gold Mine: Environmental and energy audits
- Ok Tedi Mining Ltd: Rehabilitation planning and implementation services, Ethnobotanical surveys, Bige area
- Philippine Rural Reconstruction Movement: Sustainability review of current agricultural practices and trends
- Ramu Nickel Highlands - Kurumbukari Mine Site: Rehabilitation research and trials

Australian Projects

NRA provides specialised ecological and environmental services to the mining, defence, infrastructure industry and government sectors. NRA is regularly engaged to undertake major project planning, investigations and project approvals. NRA's environmental scientists hold advisory and management positions on a range of consultative and environmental management committees.



NRA Environmental Consultants



Pdt Architects



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Townsville QLD 4810

Pdt Architects provides architectural, landscape architecture, interior design and master planning services.

They employ approximately 90 staff across Brisbane and Townsville offices.

Fields Of Commerce

Consulting

Target Industries

Public infrastructure in commercial, cultural, education, health, recreation and transport fields of Federal, State and Local Government projects.

Specialist Areas Of Tropical Expertise

- Pdt Architects has been commissioned by many local councils to act as architects and advisors to their committees for the planning, feasibility design and construction of a variety of project types in the tropics.
- Pdt Architects is committed to building practical facilities that meet state government cyclone shelter guidelines.
- Notable projects which also double as cyclone shelters include: Kowanyama Multi-purpose Sports & Recreation centre, Cooktown Leisure Centre and Edmonton Sport & Leisure Centre.

Company Profile

Established in 1938, Pdt Architects is one of the largest and most prolific design practices in Queensland. Their diverse project portfolio ranges from multi-billion dollar hospitals to small community centres.

Pdt Architects has extensive tropical design expertise and experience and has worked on some of Queensland's largest cyclone shelters.

Regardless of project size, type or location, Pdt Architects offer well-crafted and intelligent design solutions and a personalised and responsive service. Furthermore, their team of professionals aspire to design intelligent spaces which balance the natural and built environments and enrich the lives of those who use them - now and into the future...

Technologies & Capabilities

- Architecture
- Interior design
- Landscape architecture
- Master planning
- Commercial, cultural, educational, health, recreational, retail, transport



Year Established

1938

Management Team

Mark Haywood, North Queensland Manager

Certificate & Quality Approvals

- Registered Architects in Queensland, New South Wales, Victoria and Northern Territory.
- Green Building Council of Australia, Green Star Accredited Professionals
- Third Party Quality Assurance Certification

Company Background

Pdt Architects was founded in 1909 when Lange Leopold Powell commenced practice in Queensland. Characterised as a rare individual and brilliant man with very definite ideas and a keen sense of humour Lange` was deeply committed to the profession of architecture and held various positions at the Queensland Institute of Architects including presidency between 1923 and 1927.

While president, he was instrumental in setting up the Architects Registration Act requiring all architects to be registered before practicing the profession.

In 1938, two employees Robin Dods and Stewart Thorpe purchased the practice and the name Pdt Architects (Powell, Dods & Thorpe) was born.

Today, Pdt Architects is one of the largest and most prolific architecture practices in Queensland, employing 90 staff in Brisbane and Townsville offices.

Australian Projects

Significant projects in tropical Australia include:

- Medicine and Pharmacy School, James Cook University, Townsville
- Veterinary Science Necropsy Facility, James Cook University, Townsville
- Kowanyama Multi-Purpose Sport and Recreation Centre (doubles as public cyclone shelter), Kowanyama
- Cooktown Community Events Centre (doubles as public cyclone shelter), Cooktown
- Edmonton Leisure Centre (doubles as public cyclone shelter), Cairns
- Defence of Darwin Experience Museum, Darwin
- Townsville International Indoor Sports Stadium (now called Townsville RSL Stadium), part of the Murray Sports Complex Re-development, Townsville
- Stockland Shopping Centre, Townsville. Will achieve a four star rating from the Green Building Council of Australia. Due for completion in 2012.



Peddle Thorp Far North



ABN 18 10 699 573
Contact Andrew McFadden
Phone +61 (0)7 4046 5900
Email info@fnq.peddlethorp.com.au
www.peddlethorp.com.au
Web
Address 170 Mulgrave Road
Cairns QLD 4870

Architectural Services

Target Industries

Commercial
Education
Remote housing
Infrastructure
Retail
Public
Sport and recreation facilities
Tourism
Aged care
Emergency services

Specialist Areas Of Tropical Expertise

Sustainability
Sub-tropical design

Company Profile

Peddle Thorp Far North has over 21 years of local knowledge invested in tropical North Queensland, delivering reliable buildings with smart, unique and responsible designs that are appropriate and sustainable.

Renowned for innovation and expertise, the Peddle Thorp integrated network provides a vast experience base together with comprehensive resources, flexibility and capacity to not only meet our clients' needs but deliver projects that exceed expectations.

Our quality assurance procedures, and modern approach to project management ensure our client's return on investment is maximised.

The Peddle Thorp Far north portfolio contains a range of projects that are distinctive, diverse and successfully delivered across many categories.

Technologies & Capabilities

Peddle Thorp Far North's investment in the latest IT systems and technologies enables integrity and compatibility with our partnering firms and consultants adding value and security.

Technologies and Compliance:

- Revit
- Building Information Management (BIM)
- Animation and Photorealistic Presentations
- Compliance procedures (Quality Assurance)
- AS 500, National Code Of Practice (NCIP)
- Queensland Department of Public Works: PQC3
- GreenStar Accreditation

PeddleThorp|Far North



Queensland Ambulance Service | Gordonvale
Peddle Thorp Far North

Year Established

1989

Management Team

Paul Whittle, Architect & Manager

Certificate & Quality Approvals

Quality Assurance Management System (3rd Party Approved).

30215 QLD – Course in General Safety Induction.

Board of Architects QLD Professional Registration.

Australian Institute of Architects A+ Membership.

GBCA GreenStar Accredited Professional.

Autodesk Revit Architecture Certified Professional.

Autodesk 3ds Max Certified Professional.

Emergency Architects Australia Member.

Awards

Millenium Library, State Library of Queensland, Brisbane Queensland:

2007 RAIA National Architecture Awards, The Sir Zelman Cowen Award for Public Architecture.

2007 RAIA National Architecture Awards, The Emil Sodersten Award for Interior Architecture.

2007 RAIA Queensland Architecture Awards, Brisbane Building of the Year.

2007 RAIA Queensland Architecture Awards, FDG Stanley Award for Public Buildings Architecture.

Caboolture Hub - Library, Caboolture, Queensland:

2012 RAIA Regional Commendation, 2012 RAIA Gabriel Poole Award for Building of the Year

Cairns Esplanade Information Nodes:

2004 RAIA Regional Commendation,

2004 RAIA Regional Building of the Year,

2004 RAIA Queensland Urban Design Award

Company Background

Peddle Thorp Far North has over 21 years of local knowledge invested in tropical North Queensland, delivering reliable buildings with smart, unique and responsible designs that are appropriate and sustainable.

Renowned for innovation and expertise, the Peddle Thorp integrated network provides a vast experience base together with comprehensive resources, flexibility and capacity to not only meet our clients' needs but deliver projects that exceed expectations.

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Australian Projects

Millenium Library, State Library of Queensland, Brisbane Queensland

Cairns Centre of Contemporary Art

Queensland University of Technology Library Building

Kelvin Grove

PeddleThorp|Far North



Queensland Ambulance Service | Gordonvale
Peddle Thorp Far North

People Oriented Design



ABN 58 050 929 861
Contact Shaneen Fantin
Phone +61 (0)429 082 692
Email mail@shaneenfantin.com.au
Web www.shaneenfantin.com.au
Address PO Box 774
Edmonton, Cairns QLD 4869

People Oriented Design (POD) is committed to sustainable and appropriate development for northern Australia. POD offers expertise in architecture, project management, community engagement and research.

Fields Of Commerce

Consulting
Research
Architectural services

Target Industries

Housing
Community development projects
Health projects

Specialist Areas Of Tropical Expertise

Housing design and documentation
Small to medium scale health centre design
Child care centre design
Cross-cultural facilitation and engagement
Specialist knowledge of Australian indigenous environments

Company Profile

Shaneen is one of a handful of Australian architects who have made a life-time pursuit of understanding the relationship between culture & architecture with Indigenous Australians. She has worked extensively on indigenous housing, health & community projects in the Northern Territory, QLD, NSW and Canada.

Shaneen is committed to sustainable design & management practices. In her daily life she “walks the talk”. Her home and office are not air-conditioned and are within 8 km of each other. All office waste and household waste is recycled where possible.

In 2008, Shaneen completed the design and documentation of a sustainable house with an independent energy, waste and water system in Far North Queensland. She is part owner of a nature refuge on the Atherton Tablelands and has a sound knowledge of Australian native gardening for tropical north Queensland. She applies her first hand knowledge of sustainable design and living practices where ever possible.

Technologies & Capabilities

Shaneen’s qualifications include a Diploma of Project Management, a Bachelor of Architecture and a PhD in Aboriginal Environments. She is adept at using Microsoft Project and Excel for managing projects and uses Sketchup for designing and presenting concepts.

For documentation, Shaneen draws upon a pool of technical experts who mainly use Revit or ArchiCAD. Shaneen also uses Adobe Photoshop and Professional & Microsoft Publisher on a regular basis. She is a whiz with Word and has excellent written communication skills.

POD is a growing organisation with a director and two casual employees, which has the capacity to call upon the support of larger organisations if required. POD has strong working relationships with Mode Design, Indig Design, PlanzTP, Opus International, Leighton Contractors, Broad Constructions, Ngarda Civil and Mining, Vis Constructions and Troppo Architects.

Shaneen Fantin
— PEOPLE ORIENTED DESIGN —



Year Established

2008

Management Team

Shaneen Fantin, Director

Target Export Markets

Pacific Islands
Papua New Guinea
Singapore

Type Of Export Business Sought

Direct export

Certificate & Quality Approvals

Registered Architect Qld no. 3825

Awards

- 2010 AIM Finalist Professional Manager of the Year, Northern Territory
- 2005 Year of the Built Environment Award for Program Management of the OATSIH (Office of Aboriginal and Torres Strait Islander Health) Capital Works Program
- 2000 awarded a Northern Territory History Award by the Northern Territory State Archives for research into Yolngu housing and culture change in northeast Arnhem Land.

Company Background

POD is a multi-disciplinary design, project management, community engagement & research practice with interests & experience across all of northern Australia. Dr Shaneen Fantin established People Oriented Design (POD) in Cairns in February 2009. Prior to creating POD, Shaneen worked for 15 years as an Associate, senior architect & project manager & researcher for firms including Arup (Cairns), Troppo Architects (Darwin), Opus International (Darwin) & the Aboriginal Environments Research Centre (Brisbane). Shaneen has specialist expertise in indigenous housing & health projects & is well known for her strategic thinking, communication & workshop facilitation skills.

The core values of POD are:

- A fresh perspective - seeing things differently to the norm in management, planning & design
- Valuing people - placing value on relationships & building teams
- Get it right - continuous holistic & detail thinking through all stages of a project
- Sustainability in everything - consideration for low energy, low consumption, recycling & self-sufficiency in daily practice

Australian Projects

Strategic Indigenous Housing and Infrastructure Program (SIHIP), 2009-10:

Develop the community engagement & employment workforce development team for New Future Alliance in the NT from 0 to 16 personnel in 18 months, to support & facilitate \$200 M construction of housing & infrastructure across 49 remote Aboriginal communities in the NT. Reach 30% minimum indigenous employment across the program for New Future Alliance. Maintain key relationships with Government and non-government stakeholders. Develop community engagement & employment frameworks & implementation plans for the alliance. The Community Engagement Framework was adopted by the NT Government as best practice example & made the template for all alliances to use. Develop & monitor community engagement & employment services budget for four different package areas. Work with construction managers, programmers & building supervisors to achieve project delivery time frames & ensure that community engagement & employment objectives were achieved.

Office of Aboriginal and Torres Strait Islander Health (OATSIH) Capital Works Program, 2003-05:

Program manage delivery of over \$15 M of capital works across seven indigenous organisations in north QLD. Manage procurement of architectural services for Mookai Rosie, Yarrabah Drug & Alcohol Rehabilitation Centre, Aboriginal & Islander Alcohol Rehabilitation Services & CCEU in Townsville. Monitor project budgets, maintain stakeholder relations between Dept of Health & Aging, grantee organisations & architects. Audit & maintain quality assurance processes of OATSIH program delivery.

National Aboriginal Health Strategy (NAHS), 1998-2003

Project & Design Architect on over 12 NAHS housing & infrastructure projects in NT and Qld ranging in value from \$800 k to \$7 M. Including works at Galiwin'ku (1999 and 2002), which have been documented as innovative aboriginal housing design in Architecture Australia. Other key NAHS projects included work in Alpururulam, Ramingining, Kiana Station, Kowanyama & Nguiu. Develop a cross cultural design methodology for large scale housing projects. Undertake successful & effective design engagement & project documentation. Review contract documentation & building procurement process up to tender stage.

Shaneen Fantin
— PEOPLE ORIENTED DESIGN —



Planz Town Planning

TD

ABN 83 128 085 870
Contact Nikki Huddy
Phone +61 (0)447 323 384
Email plan@planztp.com
Web www.planztp.com
Address 17 Atherton Street
Whitfield, Cairns QLD 4870

- Town Planning Applications for large and small developers and government agencies
- Strategic Planning: Planning Schemes
- Specialist policy writing
- Specialist Project work
- Community Engagement and Research
- Corporate Planning and Change Management
- Training and workshop facilitation

Fields Of Commerce

Consultation: Town Planning
Strategic Planning
Change Management
Community Engagement
Training and mentoring
Corporate Planning
Specialist research projects

Target Industries

Health and community well being
Education, training and mentoring
Public infrastructure
Government
Indigenous

Company Profile

Planz Town Planning was established in October 2007, with the specific aim of providing specialist consultancy support to communities, local and state government and private developers.

Nikki Huddy is the Director of Planz Town Planning, has a unique set of skills and experience that enables her to assist Individuals, Communities and Government Agencies to undertake planning and project work.

Nikki's strong policy background enables her to deliver results that translate into actions that are realistic, adoptable and readily implemented.

Nikki has experience in small and large regional and remote communities, and has previously been engaged by government to identify barriers and strategies for communities to adopt and implement new or different policy measures. Projects have been in diverse areas and including researching other Council's approach to issues, identifying world's best practice and contemporary literature reviews.

Technologies & Capabilities

Skills in town planning and governance:

- Preparation and lodgement of Planning Applications
- Maintaining and amending Planning Schemes including state interest checks, public consultation and scheme adoption
- Specialist Code and Policy drafting
- Environmental planning including State of Environment Reporting and Carbon Emission Reduction Policies
- Priority Infrastructure Planning
- Demographic analysis
- Coordination of the positions of multiple parties on matters of planning
- Training on specific elements of Legislation, and Planning theory and process
- Mentoring and professional development of student planners and graduate planners

Skills in governance and change management:

- Process mapping, end-to-end business process definitions and implementing new business process functionality
- Provision of change management support and advice
- Managing the expectations of organisations in relation to change management and corporate planning
- Preparation of corporate plans including disaster management plans and risk management plans.



Year Established

2007

Specialist Areas Of Tropical Expertise

Policy writing
Land use planning
Remote community planning
Community building / Social planning

Management Team

Nikki Huddy, Director

Target Export Markets

Papua New Guinea
New Zealand
Fiji
Pacific Islands

Type Of Export Business Sought

Joint Venture
Partnership

Certificate & Quality Approvals

Nikki Huddy is a qualified internal Auditor with Quality Assurance Services.

Company Background

Planz Town Planning was established in October 2007, with the specific aim of providing specialist consultancy support to communities, local & state government and private developers.

Planz Town Planning is a sole operator consulting firm that can be engaged individually or as part of a project team to provide specialist, localised consulting services in the areas of land use planning & policy development, development assessment, community planning & community engagement, social & community infrastructure planning, training and change management & corporate planning.

Planz Town Planning has extensive experience in best practice research, project management and community engagement & consultation associated with the preparation of strategic community planning documents, including social needs assessments, built environment & land use planning studies.

Planz Town Planning has a unique set of expertise that enables it to assist Government and Communities to translate their messages and plans into actions that are realistic, adoptable and readily implemented.

Australian Projects

Reef Guardian Council: Climate Change Module

The project required developing leading policy in the area of collective management of local climate change initiatives working closely with 10 Councils and the Great Barrier Reef Marine Park Authority.

Active Healthy Communities Resource

Working Closely with Queensland Health & Heart Foundation, the AHC project:

- Took a body of knowledge & policy direction from a Government Agency & translated it into a series of opportunities & actions for Local Government.
- Utilised range of corporate tools available to Local Government, to achieve project outcomes: including Corporate Plan, Planning Scheme, Local Laws, budget process & community leader.
- Was ground breaking in its approach & leading the policy direction in this area.

Other Projects

- Preparation of Planning Schemes for Douglas Shire, Cairns City Council, Tablelands Regional Council.
- Initiation & direction of the Southern Growth Corridor Master Plan, to deliver a master planned community for up to 60,000 people & Town Centre at Edmonton.
- Development and implementation of the Cairns Style Urban Design Guide, to promote tropical design & improve the understanding in relation to tropical design.
- Preparation of the initial & annual State of Environment Report & Liveability Index Report for Cairns City Council.
- Transport, Mobility & Access Plans (Cairns to Gordonvale Transport Network Study, & Cairns Integrated Public Transport Plan)
- Economic Development & Employment (e.g. Industrial Land Requirements Study).
- Natural Environment, Green space & Recreation Planning (e.g. Priority Infrastructure Plan, Sporting Facilities Needs Assessments)
- Housing, Character, Cultural Heritage Planning (CairnsPlan Multiple Dwelling & Holiday Unit Code, Character Precinct Code & Local Heritage Code; development of Cairns Style Design Guideline).
- Infrastructure Planning (e.g. components for the Cairns Priority Infrastructure Plan including Community Facilities).



Project Air Conditioning QLD Pty Ltd



ABN 17 127 191 280
Contact Keiren O'Brien
Phone +61 (0)7 4045 3455
Email creaturecomfort@projectair.com.au
Web www.projectairqld.com.au
Address Shop 5, 44 Supply Road
Bentley Park, Cairns QLD 4869

Project Air Conditioning QLD Pty Ltd provides services for air conditioning and cooling installations, consulting and contracting for split and ducted air conditioning, ventilation and air purification systems. The most respected energy efficient technology is specified and experience and expertise is applied for its installation and maintenance in tropical climate conditions.

Fields Of Commerce

- System design and consulting
- Product specification and consulting
- Custom manufacture of ventilation and ducted systems
- Supply and distribution
- Research, testing and invention for tropical climate efficiency

Target Industries

Public facilities, hotels and tourism facilities, mining industry related buildings, housing, office, retail and industrial buildings.

Company Profile

The Project Air Conditioning Group consists of 40 trained and qualified staff. In house we proudly have experienced engineering and project management personnel with support from our technicians, installers and administration staff who collectively manage your mechanical ventilation needs from design conception and installation through to maintaining your plant during its life.

To complement our efforts we use and recommend products we know and trust. Throughout our history we have built a databank and knowledge of products that are proven in design and reliability. Working with our suppliers, together we continue to offer the best value in terms of such criteria as energy efficiency, equipment longevity, operating reliability and practical design.

Technologies & Capabilities

Project Air Conditioning has a diverse knowledge base with the skills and resources to satisfy the needs of people in a number of industry sectors. Whether it be commercial, residential, government, mining, public or private institutions, we have the expertise in the following disciplines:

- Consultation with building owners, facility managers, designers, builders & developers
- Design and construct feasibility, fixed price and budget proposals
- Consultant specified tender submissions
- Supply and installation of equipment
- Project management
- Occupational health and safety management
- Commissioning, air balancing and testing of equipment
- Client relations and information systems management
- Programmed maintenance
- Breakdown service and repairs
- Qualified mechanical engineering in house including unlimited design licence for HVAC - mechanical



Leaders in People Comfort

Year Established

2007

Specialist Areas Of Tropical Expertise

- Air conditioning specification, installation and maintenance efficiencies for tropical climates
- Mechanical, natural and air purification ventilation specification, installation and maintenance efficiencies for tropical climates
- Heat load calculations and life cost analysis in tropical environments
- Condensation and deleterious material impacts of humid heat capture
- Service provisions for remote location
- Design of systems based on cost, value, quality and experience

Management Team

Keiren O'Brien, Manager
Steven Beckett, Managing Director
Natasha O'Brien, Office Administration

Target Export Markets

Papua New Guinea, India, Indonesia, Vietnam, tropical China

Type Of Export Business Sought

Joint venture
Partnership

Certificate & Quality Approvals

- BSA Lic. 1125427 Open Design licence for Airconditioning and Ventilation
- Refrigerant Trading Authorisation Licence AU18267
- Diploma of Engineering: Refrigeration and Airconditioning
- Masters Builders Trade Alliance certification
- DEWR National Code Compliance
- All products Minimum Energy Performance MEPS star rated
- All products ACMA C-ticked
- AIRAH member
- Complete OH&S Management & Quality Assurance System



Company Background

Operating for over 15 years the Project Air Conditioning Group has had a strong history of working with government and non-government clients in delivering successful commercial HVAC and refrigeration projects. During this period the group has focused on developing quality and safety systems, custom information technology systems purpose built to meet our needs in the HVAC and refrigeration service and construction industries, as well as developing tropical expertise through our operations in Far North Queensland.

Australian Projects

Hinterland Aviation: Refurbishment of Air Conditioning Plant: Design, supply and installation of replacement of air conditioning plant consisting of direct expansion cassette and ducted model equipment with variable refrigerant flow DC Inverter equipment together with ventilation system. Design based upon energy savings and balanced temperature control throughout multi-room complex.

ShangriLa Pier Complex: Multiple Tenancy Refurbishment: Replacement of air conditioning plant consisting of chilled water ducted air handling including hydronic install & ducted air conditioning plant with controls.

FahCsia: New Tenancy Fit-out of Mechanical Plant: Supply and install of air conditioning plant consisting of chilled water ducted air handling including hydronic install and ducted air conditioning plant with controls to BMS. Supply and install of ventilation plant for fresh air and exhaust systems.

Centrelink: New Tenancy Fit-out of Mechanical Plant: Supply and install of air conditioning plant consisting of chilled water ducted air handling including hydronic install and ducted air conditioning plant with controls to BMS. Design, supply and install of ventilation plant for fresh air and exhaust systems.

The Good Wok: New Tenancy Fit-out of Coolroom: Supply and install of dual temp coolroom including design, supply and install of refrigeration plant, control and cold room structure.

Telstra Telephone Exchange: Air Conditioning Plant Replacement: Installation of large commercial direct expansion mechanical plant and commissioning to specification.

TAS Project New Air Conditioning Plant: Upgrade of existing plant for improved energy efficiency and operation design, supply and installation of large residential variable refrigerant DC Inverter 3 phase system, including underceiling indoor systems with ducted heat exchanger ventilation for improved energy efficiency and temperature control.

McDonalds Family Restaurant : Mechanical HVAC Upgrade: Upgrade of restaurant air conditioning plant & mechanical ventilation.

NQX : New Air Conditioning and Mechanical Ventilation Plant: Design, supply and installation of replacement of air conditioning plant consisting of direct expansion ducted model equipment with variable refrigerant flow DC Inverter equipment together with ventilation system. Design based upon energy savings and balanced temperature control throughout multi-room complex.

Balance Medical: New Airconditioning and Ventilation Plant: Design, supply and installation of new inverter air conditioning to suit medical practice

Roofguard Roof Painting

ST

ABN 94 165 106 499
Contact Troy Knuth
Phone +61 (0)488 543 745
Email roofguard.sales@gmail.com
Web www.roofguard.org
Address 36 Marlin Street
Balgol Beach, Townsville QLD 4816

Dulux Accredited Roof Painting Applicators of Heat Reflective Coatings for all types of roofing materials.

Basic repairs to roofs before applying Heat reflective Coatings

Fields Of Commerce

Consultation with local authorities in regards to cool roofs projects

Target Industries

We cater to the domestic housing, commercial & industrial and public infrastructure industries to reduce roof heat loads.

Specialist Areas Of Tropical Expertise

- Reduce carbon footprint
- Cool Roof Projects
- Pre-coat roofs for prep of Solar panel installations
- Water proof coatings
- Decorative roof coatings that are heat reflective

Year Established

1982

Company Profile

Roofguard Roof Painting are a North Queensland family owned and operated business, using heat reflective coatings to reduce heat in homes and commercial buildings for the intention of saving on power costs and the minimize the deterioration of roofing materials

Technologies & Capabilities

Ability to cool the living conditions of homes and commercial buildings naturally. Our products and service suits:

- Concrete tile roof homes.
- Colorbond re-paints
- Asbestos roofs.
- Commercial buildings and restaurants
- School roofs
- Factories.

Company Background

Originally house painters but merged into Cool roof products after seeing the great benefits that these products deliver.

Australian Projects

Approximately 150 Houses and commercial buildings are coated each year in the local North Queensland area.

Management Team

Troy Knuth, Manager

Certificate & Quality Approvals

Dulux accredited roof applicators



RPMEnviro



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Gordonvale, QLD 4865
54 Charles Street
Aitkenvale, Townsville QLD 4814

RPM Enviro consults, designs, sells, installs and services a range of waste water treatment and water supply and use systems for domestic and commercial use.

Fields Of Commerce

Consultancy and design
Sales
Supply and distribution
Installation
Servicing
Research and development

Target Industries

Residential
Commercial inc. hotels, motels, resorts, hospitals, schools etc.
Mining
Main road truck & car rest stops
National Parks & Camping grounds

Specialist Areas Of Tropical Expertise

Water efficient products
Design, consult and install to meet regulatory requirements
Product selection, installation and maintenance is backed by over 15 years of experience working in our tropical climate.

Company Profile

RPMenviro is dedicated to supplying high quality water and waste treatment systems to commercial and domestic clients. Our experienced and diverse team of people endeavour to meet our clients' needs as we work together to find sustainable solutions for their water and waste issues.

Technologies & Capabilities

Consulting: meet and discuss with client to determine their needs and offer solutions. We work with engineers, architects, builders, plumbers, home-owners, landscapers and government.

Designing: complete design needed for all water & waste treatment systems. We prepare hydraulic plans including designs for sewer lines, pump wells, rising mains, storm water capture and retention, recycling water for building and irrigation use, remote monitoring and control systems.

Installations: we have built up our skills, equipment and resources to produce efficient installations, even when faced with remote or difficult terrain.

Servicing: our servicing arm of RPMenviro is Allwaste Servicing. Allwaste Servicing focuses on all types of domestic and commercial waste water treatment systems including systems we have installed as well as other systems that we look after to get them functioning properly again.

Research and Development: We are early adopters of new systems and techniques and our tropical expertise in the selection, installation and maintenance of products and services is highly valued in the industry.



Year Established

1997

Management Team

Arnold Roos: Director
David Roos: Site Manager
Darren Roos: Research, Development & Maintenance
Ben Touhill: Maintenance Manager
Scott Slow: Operational Manager
Julie Reed: Commercial Projects
Donna Shield: Marketing & Sales
Michelle Roos: Marketing & Sales

Current Export Markets

Papua New Guinea

Target Export Markets

Indonesia

Type Of Export Business Sought

Direct Export

Certificates & Approvals

H2O Pure Plus Sewerage Treatment System: Chief Executive Approval No. 16/2008 and 17/2008 with Queensland Government Department of Infrastructure and Planning. SAI Global Certified Product. Australian Standard. Nata World Recognised Accreditation.

Fuji Clean Domestic Wastewater Treatment Systems: AWWWS, Grey Water Diverter, Water-Mark ATS 5200.460 Cert WMKT 21239, SAO Global.

Company Background

RPMenviron originally Roos Property Maintenance, was started by our Director, Mr Arnold Roos in 1997. From the beginning Arnold has directed the business towards supplying a reliable and trustworthy service. The business took on a natural progression from property maintenance to environmental work to being commissioned to clean oil spills using bacteria. This in turn led us to using bacteria for the purpose of cleaning commercial kitchen drain-lines and grease-traps. This selection of bacteria is the same bacteria used to make a sewerage treatment plant run correctly. As the story unfolds, we were then asked to look after sewerage treatment plants, which led us to the nature of our business today, very experienced in commercial and domestic waste water treatment systems from designing to installing to servicing them.

International Projects

Papua New Guinea, Lihir Island installation of a waste water treatment system including consultation and design for a mining company. It was delivered as a community project benefitting the local Lihir Island population.

Australian Projects

We have installed and/or are servicing over 350 domestic waste water treatment systems in Far North Queensland.

Major Projects include schools, island and mainland resorts, hotels, motels, Main Roads Department truck/rest stops.



Safe Design Australia

AR

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Contact Andrew Barrett
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Email info@safedesignaustralia.com
Web www.safedesignaustralia.com.au
Address PO Box 995
Smithfield, Cairns QLD 4878

Safe Design Australia are a Workplace Health and Safety (WHS) consultancy specialising in Safe Design of buildings in the Tropics. We offer safety services to designers and other professionals.

Fields Of Commerce

Consulting

Target Industries

Safe Design Australia assess the safety of designs and construction projects in the housing and commercial sectors.

Specialist Areas Of Tropical Expertise

Safe design of buildings in the Tropics
Safety assessments
Construction safety in tropical environments

Target Export Markets

Papua New Guinea
Vanuatu
Asia Pacific

Type Of Export Business Sought

Direct Export
Joint Venture
Partnership

Company Profile

Safe Design Australia are a Workplace Health and Safety (WHS) consultancy specialising in Safe Design. Safe Design Australia are a team of consultants with expertise in workplace health and safety, architecture, construction and public health. Based in Cairns, Far North Queensland we are qualified to assess safety in tropical green building situations such as our extreme environment, cyclone conditions and high humidity.

Technologies & Capabilities

- Safe design assessments
- Safe design reports
- Safe design services
- Building design
- Energy efficiency assessments
- Safety training for design teams
- Work health and safety consulting

Year Established

2011

Management Team

Andrew Barrett, Director
Sophie Barrett, Director

Company Background

Safe Design Australia specialises in helping designers and construction managers fulfil their work, health and safety obligations. Our staff have experience across a range of workplace health and safety disciplines including construction, architecture, building design and public health.

Australian Projects

Safety assessments of Residential and Commercial buildings throughout Australia.
Training of Architects and Building Designers in Safe Design practices.



Satterley Property Group



ABN 38 009 054 979
Contact Adam Gowlett
Phone +61 (0)7 4057 6633
Email adamg@satterley.com.au
Web www.satterley.com.au
Address PO Box 30
Smithfield Cairns, QLD 4878

Residential land development company.
Australia's largest privately owned Development Company operating in WA, Vic and QLD.

Target Industries

Housing

Specialist Areas Of Tropical Expertise

Residential land development
Water sensitive urban design
Community development

Company Profile

Nigel Satterley formed Satterley Property Group in 1980. In less than two decades, the company had grown from a small suburban agency into Western Australia's largest independently owned property development company.

Satterley Property Group specialises in residential land sales and has the most extensive project management portfolio in Western Australia. The company has carried out more than 130 residential projects and sold more than 50,000 lots since its inception. It is estimated that more than a quarter of a million West Australians now live on land developed by Satterley.

The Cairns region Smithfield Village residential estate project is located on an abandoned cane field on the fringe of the Barron Delta Flood Plain. It is adjacent to the sensitive environments of the Cattana Wetlands, the Half Moon Creek Declared Fish Habitat Area and the Trinity Inlet/Marlin Coast Marine Park which now forms part of the Great Barrier Reef Coast Marine Park. To the west the World Heritage listed Wet Tropic rainforests are within walking distance. In establishing the first bio-retention basins in a wet tropics environment, storm water is organically treated prior to discharging into the Great Barrier Reef Marine Park.

This 1300 lot residential estate is setting new benchmarks within the region and delivering better urban design outcomes for residents, better infrastructure and environmental outcomes for Council, and is typical of Satterley's development philosophy.

Technology and Capabilities

Smithfield Village is a master-planned community which is very special in several respects.

Through cutting edge technical solutions, including reticulated recycled water and optic fibre to the home, complemented by old fashioned customer service, the Satterley Property Group's Smithfield Village is creating Cairns premier new masterplanned community. With a focus on environmental and community outcomes Smithfield Village is Cairns fastest selling estate.

Almost one third of the site being retained for public open space, Smithfield Village provides for an active community. Smithfield Village is maximizing habitat corridors for our new residents and our existing native communities.

With optic fibre to the home, Smithfield Village is Cairns first Telstra Smart Community. And, by leading the market with free fencing and front landscaping, every house instantly becomes a home.



Year Established

1980

Management Team

Nigel Satterley, CEO
Nick Perrignon, COO
Brad Paddon, General manager Victoria and Queensland
Adam Gowlett, State Manager QLD

Awards

QLD 2009 UDIA Award for Excellence: Large Residential project
QLD 2009 UDIA Award for Excellence: Environmental Excellence
Smithfield Village: QLD 2010 Premiers Sustainability Awards - Finalist
Engineers Australia: Cairns Local Group 2007 and 2009 Project of the year

Technology and Capabilities Cont.

Smithfield Village has developed and installed Cairns first Bio-retention basins. While commonplace in drier parts of Australia, these are the first installed in the wet tropics. With an annual rainfall of over 2,000mm, the volumes and intensity of the storm events in the tropics; the construction of these bio-retention basins is helping provide a benchmark for all future stormwater management practices in Cairns.

Due to the location of the site (the downstream end of the catchment), basins have not been designed to detain run-off from large rainfall events as this would contribute to increasing the peak flow and could result in upstream impacts. Stormwater run-off is directed through a system of pipes and manholes with overflow weirs that allow the first flush flows to pass through to Gross Pollutant Traps (GPT) before entering the bio-retention basin. The first GPT installed is the largest installed in Cairns. A Rocla CleansAll CL1200 GPT was used; at nearly 6m long and almost 5m deep, it had to be constructed in Brisbane and transported to Cairns!

Smithfield Village was awarded Engineering Project of the Year 2007 Cairns for its work in this regard.

Due to the very flat nature of the site and high water tables, a Vacuum Sewer is installed in small pipes at shallow depths and only one pump station is required to service the remainder of the estate, rather than 4 traditional gravity stations producing a better effluent product and reducing running costs.

Reticulated recycled water pipes have been installed that will ultimately save an estimated 130M litres of water per annum and piped recycled water will save future home owners approximately \$8,000 on the cost of building their new home in meeting State Government water savings targets.

Company Background

Satterley Property Group has won dozens of prestigious international, national and state awards for excellence in residential communities, environment and urban renewal.

Nigel Satterley has also achieved a unique double, having been awarded the Urban Development Institute of Australia's President's Award and the Real Estate Institute of WA's Kevin Sullivan Memorial Award. Both are symbols of exemplary excellence and leadership in their respective fields. He was also awarded an Order of Australia in 2006.

Australian Projects

Satterley Property Group currently has more than 25 active projects across 3 states, working on both greenfield and brownfield sites. The Satterley Property Group undertakes both privately owned developments and also specializes in Government Joint Ventures, particularly in Western Australia in redevelopment and new residential projects.



SmartGrid Partners



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SmartGrid Partners (SGP) is a solutions integrator established to provide strategic advisory and venture capability in the rapidly emerging Smart Grid domain. Smart Grid contemplates among other things the intersection of traditional network approaches with alternative energy solutions including renewable generation and demand management. SGP has capability from strategy development through to detailed deployment of fully integrated alternative energy solutions.

Fields Of Commerce

Consulting

Target Industries

Target industries are those that require consulting services and integration technology for electricity. These currently include electricity distribution utilities, local government but cover large energy users across all industries.

Specialist Areas Of Tropical Expertise

Energy Efficiency and Demand Management
Renewable Energy Project Development
Community based social marketing
Creating value through collaboration: council, electricity supplier, community, developers, designers, builders

Company Profile

SGP has been heavily involved in the Townsville Solar Cities project and the Powersavvy project.

SGP is a solutions integrator established to provide strategic advisory and venture capability in the rapidly emerging Smart Grid domain. We have multi-disciplinary expertise in infrastructure with specialised knowledge of the electricity sector. We work with progressive organisations in innovative alliances and joint venture models to align interests and create value for all parties. Our business partners are positioning themselves for a new energy future – one that contemplates:

- Greater customer involvement and interaction with electricity
- Optimise electricity network assets and improved efficiency
- Widespread adoption of integrated renewable energy, advanced energy storage and electric vehicles
- New electricity markets and products
- Enhanced network resilience, automation and self healing
- Heightened community interest in environmental stewardship – more focus on carbon footprint

We aim to form close alliances with like-minded business partners looking to create and share value in the emerging smart grid domain. Either as advisers or venture partners we take an alliance approach. We join with our business partners in long term relationships to add the benefits of our specialist experience and innovative thinking in models that align interests and enhance value to mutual benefit. Our flexibility and understanding of concept development maximises the potential for success.

Technologies & Capabilities

SGP brings a wealth of experience to the emerging smart grid domain, depending on our client requirements and preferences we can:

- Perform a lead advisor role developing and assessing strategies in the emerging Smart Grid space.
- Perform a lead developer role through our ability to integrate the business and commercial development functions with financing, accounting, engineering and project management.
- Business development and commercial facilitation services capability derived from first-hand experience in infrastructure development.
- Development of leadership strategies in asset management that enable the exploration of blended traditional and alternative energy solutions.
- Create high value collaborative frameworks – new models for developers utilities and Councils to provide energy amenity in estates.
- Mentor and work in close association with internal resources to ensure skill transference.
- Develop and enhance Smart Grid concepts using innovative business models to create and share value.



Year Established

2009

Management Team

Peter Goggin, Director
Grahame Foulger, Director

Current Export Markets

USA
India

Target Export Markets

USA
New Zealand

Type Of Export Business Sought

Direct Export

Technologies & Capabilities Cont.

- Manage and grow key stakeholder relationships for partners.
- Undertake commercial market assessments for new Smart Grid technologies.
- Source funding through private equity and grant programs

Company Background

SGP was formed in 2009 bringing together the experience of our principals to provide consulting and venture related capability. SGP has created the Guided Innovation Alliance an alliance of Ergon Energy, Queensland University, and Brookfield Financial to shorten the pathway of energy innovations to market.

Australian Projects

SGP and its principals have undertaken many leading edge projects including:

Townsville: Queensland Solar City project: Our involvement was from the earliest stages of the conception of the project as key leaders of the project team. The key to the success of the project was the capacity of the design team to engage the network business and craft a project design that was relevant to the key priorities of the business. To do this the project team chose a location that had a network constraint thus creating a project design that was capable of focusing the business on the key issue of peak demand management and positioning it to be in a strong advocacy position with the regulator. The project was internationally unique at the time in that the utility owns the Solar PV in what was believed to be a world first for a distribution company. In addition, the project created a deep collaborative relationship between the utility and the local government authority – this has led to other successful projects in the Townsville region and has heavily influenced the way Ergon Energy engages communities on energy efficiency and demand management initiatives.

Power Savvy: Leveraging off the experience gained in successfully designing the Solar Cities project, the Power Savvy project was conceived and designed by Grahame Foulger and Peter Goggin. The project's aim was to reduce diesel consumption in the isolated communities through a range of energy efficiency initiatives in the local community. It also required a whole of community approach to the design which included the recruitment and training of local staff to deploy energy consultations across the pilot areas of Thursday Island, Horn Island and Northern Peninsula Area. The project has been a highly successful element of the Queensland Government's Energy Conservation and Demand Management program which has been deployed by Ergon Energy.



SmartRate Assessment & Training Services



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Provides energy efficiency assessment services for residential and commercial buildings for the building industry; provides specialised training in Residential Building Thermal Performance Software - BERS Pro; consults to industry stakeholders and Government

Fields Of Commerce

Consulting
Feasibility Studies
Research
Building Energy Auditing
Building Thermal Performance Assessment
Construction Estimating

Target Industries

Residential and commercial building industry and related professions including Architects, Building Designers, Building Certifiers, Builders, Suppliers and Home Owners.

Specialist Areas Of Tropical Expertise

Building Thermal Performance Assessment
Building Assessment Software Training

Company Profile

SmartRate is a consultancy to the building industry in the emerging field of building thermal performance assessment by providing a range of cost effective solutions for small, medium and large builders on their client's projects to ensure they meet the energy efficiency requirements of the Building Code of Australia.

These services extend to Owner Builders and for the renovation of existing homes.

Established in 2005, **SmartRate** continues to set new standards in the delivery of innovative solutions and building on our reputation of excellent customer service. The management team is committed to working closely with builders, architects and designers and their clients to achieve results that are not only cost effective, but exceed expectations.

For new residential construction, **SmartRate** performs energy ratings using NatHERS accredited BERS Pro software and provides a full compliance service including the preliminary assessment of projects during the initial design phases.

For commercial projects, **SmartRate** provides a comprehensive report based on Section J of the Building Code of Australia.

Our assessors are accredited with the Association of Building Sustainability Assessors (ABSA) and SmartRate's compliance Certification is acceptable to local Councils and Building Certifiers.

A growing part of **SmartRate's** business is the provision of consulting and specialist training services to industry and government agencies.

The team at **SmartRate** is headed by Michael Plunkett.

Technologies & Capabilities

Specialist user and trainer in NatHERS Accredited Building Thermal Performance Software rating tools.

Able to carry out complex assessments of residential buildings, calculate the carbon footprint and operational energy consumption as required.

Deliver accredited BERS Pro training anywhere in Australia.

Carry out energy audits and assessment of existing homes.



Year Established

2005

Management Team

Michael Plunkett, Principal

Certificate & Quality Approvals

B Design Studies

B Architecture

Diploma Training & Assessment

Cert 4 Business (Frontline Management)

Cert 4 Leadership

Accredited Assessor: Association of Building Sustainability Assessors

Company Background

The Principal of **SmartRate** is Michael Plunkett.

Established in 2005, Michael's vision for **SmartRate** is to provide quality independent advice in the emerging field of building thermal performance and energy auditing to its clients and to share his wealth of knowledge gained over 30 years in the home building industry with industry stakeholders.

Michael has formal qualifications in Design and Architecture. He is the current Chair of the Association of Building Sustainability Assessors (ABSA), is an active member of the Housing Industry Association and a number of Government Advisory Committees.

He is a respected trainer with the HIA, MBA and delivers courses in BERS Pro throughout Australia and Green Living Builder programmes in NSW and Queensland.

Australian Projects

Ergon Energy /Stockland - consultation on Display homes in Townsville

DCCEE - Study into the validation of the NatHERS software in Tropical Regions



Smithfield Mitre 10



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Smithfield Mitre 10 is a general hardware retail outlet for tools and all building materials and stocks "Ecolour" - a range of climate and eco-friendly interior and exterior paint.

Fields Of Commerce

Retail sales

Target Industries

Housing & building projects, new builds and renovation

Specialist Areas Of Tropical Expertise

Paint designed to stand up to the extreme weather conditions of the Tropical North.

Year Established

1996

Management Team

Anne Malone, CEO
Russell Wheeler, Store Manager
Shane Morris, Paint Department Manager

Company Profile

Smithfield Mitre 10 is a retail hardware outlet that has been in business for 16 years in the Northern Beaches area of Cairns.

We understand the climate, the building industry, the needs and limitations of the tropics.

We cater for specific requests and can act quickly to source anything the customer wants – from egg cartons to timber for an entire house. You want it, we get it !

Technologies & Capabilities

We are a small but energetic team backed by the largest independent hardware chain in Australia.

We have adapted to the changing market for 16 years and are proud of our quick and responsive attitude.

We stock **Ecolour** paint that is an Australian manufactured premium quality, climate friendly synthetic paint. It can be tinted to almost any colour from any paint chart, is scrubbable and is certified carbon neutral.

Traditional household paints contain toxic chemicals that are released into the air for years after application. Ecolour paints are water based and are kind to your health with zero Volatile Organic Compounds (VOCs).

This unique Australian invention uses re-cycled re-refined waste engine oil that acts as a preservative, providing durability and smooth application qualities to the paint. Ecolour paints have been proven in the marketplace for over 10 years.

The Ecolour range includes interior and exterior paints as well as timber finishes. It is suitable for residential, commercial and retail applications.

Australian Projects

Our main Australian customers are remote communities in the Gulf of Carpentaria and Torres Strait.

We are in daily contact to source products and goods for their councils and any building project they are working on.

We specialise in catering to the small and medium size projects that often get left in the outer.



Solarcool

Helicool Pty Ltd



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Solarcool specialises in solar technologies: domestic and commercial, such as solar pool heating/cooling, solar innovations in agriculture and swimming pool construction and maintenance. Our business is family owned and operated and based in Cairns. We deliver our service to Townsville, Cairns, Mt Isa and into the Northern Territory.

Fields Of Commerce

Consulting
Distribution
Installation
Research.

Target Industries

Tourism
Housing
Public infrastructure
Agriculture

Specialist Areas Of Tropical Expertise

Solar swimming pool heating & cooling
Solar innovation in agriculture

Company Profile

Established in 2003, Solarcool is a family owned and operated company based in North Queensland. Primarily involved in the swimming pool and backyard essentials market, Solarcool is an official distributor for several reputable suppliers.

The cornerstone of the company has been its affiliation with Heliocol Solar Pty Ltd, the world's largest supplier of quality solar collectors that are mainly used for pool heating and cooling systems. Solarcool is the exclusive NQ distributor for Heliocol and we have now installed over 500 Heliocol solar systems in North Queensland. Notable solar installations include for various council, school, resort, and retirement village clients.

Solarcool are also exclusive NQ distributors for Emaux Pool Technologies in association with Eagles The Plumbing Shop. Emaux are one of the world's largest manufacturers of swimming pool and aquarium equipment, both domestic and commercial. Emaux products supplied to trade clients and installed by Solarcool include – pumps; filtration; chlorinators; cleaning equipment; lighting; as well as spa and sauna equipment. Other major pool product suppliers that Solarcool is aligned with include Astral Pool Products, Daisy Pool Covers, and Dontek Electronics.

BSA licensed in the classes of Builder Restricted to Swimming Pool Construction, and Plumbing and Drainage (#1125317), Solarcool also offers backyard project management as well as supply and installation of fencing, paving, landscaping, decking, above ground pools, and shade sails.

Technologies & Capabilities

The use of Heliocol solar collectors for commercial swimming pool applications significantly reduces the need for mechanical, fuel heat, chill sources and offers a rapid ROI. When extrapolated over the 25 year warranty period of the product, cost savings are very substantial. The system is rugged, durable, and has proven remarkably resistant to intense cyclones; it is the perfect solution for swimming pool water temperature regulation in the Tropical zone and Solarcool is well positioned to deliver this solution.

"Solar soil" is an emerging technology. The target markets are always looking for a competitive advantage and we hope to offer cost effective, innovative, eco-friendly, and sustainable solutions for improved crop performance and non-chemical pest control using a solar energy based solution in the near future.



Year Established

2003

Management Team

Justin Lambert B.Sc, B.A, Director
Daniel Lambert, Director
Ben Lambert, Director

Target Export Markets

Asia Pacific

Type Of Export Business Sought

Direct Export
Licencing

Certificate & Quality Approvals

Heliocol solar product: ISO9001-2000
AS/NZS 2712:2007 Section 2.2 (Materials in contact with drinking water) and Section 4 (Collectors)
BSA license 1125317 (Builder Restricted to Swimming Pool Construction; Plumbing & Drainage)

Technology or Patent Ownership

Innovation Patent No: 2008100203 (Solar soil - for agricultural applications)

Awards

Whats Your Big Idea Qld, Round 2, 2011, Major Winner
Fast Tracking Tropical Business (Pyxis/Qld Gov Sponsored) Certificate of Completion 2011

Company Background

Established and owned by the Lambert brothers, Justin, Daniel, and Ben. Between us we have a wide variety of skills and strengths. Justin has a trade as well as Bachelor degrees in Science and Arts. The brothers are well versed in many technical applications.

International Projects

Heliocol solar pool heating systems were employed to cater for the Athens (2004) and Atlanta (1996) Olympic Games swimming pools temperature regulation requirements. Solarcool did not install these systems; however this is the scale of project we can accommodate.

Australian Projects

Solarcool has completed major projects for Tablelands Regional Council heating/cooling the Atherton and Mareeba, Olympic sized public swimming pools. Cassowary Coast Regional Council purchased our system to cater for the Innisfail public hydrotherapy pool and we have also completed major solar installations at Dunk Island, Kirwan High School, Placid Pools display complex at Smithfield, as well as dozens of resorts and retirement villages throughout NQ.



Solar-fish Pty Ltd



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Solar technologies domestic and commercial including solar electricity, solar hot water including industrial solar preheating, water purification and innovations in aquaculture including commercial 'live' export systems, custom aquariums and ponds. Swimming pool construction and maintenance.

Fields Of Commerce

Consulting
Distribution
Installation
Research

Target Industries

Mining
Tourism
Housing
Public infrastructure
Aquaculture

Specialist Areas Of Tropical Expertise

Industrial solar hot water preheating
Solar electricity
Water purification innovation in aquaculture
"Live" export fish systems
Aquariums and ponds

Company Profile

Established in 2011, Solar-fish Pty Ltd is a locally owned and operated company based in North Queensland, and primarily involved in the solar energy and aquaculture sectors.

The cornerstone of the company is its affiliation with Helicool Pty Ltd TA Solarcool. Solarcool is the exclusive NQ distributor for Heliocol solar collectors that are the primary ingredient for industrial hot water preheating. Solar-fish is actively establishing an entirely new (to Australia) industry using Heliocol collectors as preheaters. BSA licensed in the classes of Builder Restricted to Swimming Pool Construction, and Plumbing and Drainage (#1215981), Solar-fish also offers solar electricity and traditional household solar hot water services to domestic and commercial clients.

In addition, Solar-fish provide custom design and installation services for commercial 'live' aquaculture export systems, aquariums, and ponds. With a background in natural water purification techniques, Solar-fish are currently researching alternate methods of nutrient output control in large scale aquaculture enterprises.

Technologies & Capabilities

The use of Heliocol solar collectors for industrial hot water preheating significantly reduces the need for mechanical/fuel heat sources and offers a rapid ROI. When extrapolated over the 25 year warranty period of the product, cost savings are very substantial. The system is rugged, durable, and has proven remarkably resistant to intense cyclones; it is the perfect solution for large-scale potable water preheating in the Tropical Zone and Solar-fish is well positioned to deliver this solution.

Solar-fish also offers solar electricity and traditional household solar hot water services to domestic and commercial clients.

Custom design and installation services for commercial 'live' aquaculture export systems are offered throughout the Tropical Zone. These systems can be installed in commercial fishing vessels or in situ for land-based holding facilities. Design and installation of tropical aquariums and ponds are also offered to clients.

Further, we are currently researching alternate methods of nutrient output control in large-scale aquaculture enterprises. We have identified the potential for using a combination of solar electricity, solar water temperature regulation, hydraulics, and vegetation in a system designed to assist farmers to better control nutrient output.



Year Established

2011

Management Team

Justin Lambert B.Sc, B.A, Director
Daniel Lambert, Director
Ben Lambert, Director
Tony Hartney, Director

Target Export Markets

Asia Pacific, specifically Thailand
Dubai

Type Of Export Business Sought

Direct Export
Licencing

Certificate & Quality Approvals

Heliocol solar product: ISO9001-2000
AS/NZS 2712:2007 Section 2.2 (Materials in contact with drinking water) and Section 4 (Collectors)
BSA license 1215981 (Builder Restricted to Swimming Pool Construction; Plumbing & Drainage)
Qld Electrical License 56242

Company Background

Justin, Daniel, and Ben Lambert own, and have been operating, a successful company in North Queensland since 2003 within the solar energy and swimming pool sectors. Between them they have a wide variety of skills and strengths including trades and Bachelor degrees in Science and Arts. The brothers are well versed in many technical applications.

Tony Hartney is a licensed pool builder with eight years experience in construction and sales for one of NQ's leading pool building companies. Tony currently has an interest in another company within the swimming pool industry that specialises in natural water technologies and he played a key role in introducing award winning "living" water swimming pool technology to Australia.

Tony also has fifteen years experience in the commercial 'live' fish trade which includes setting up commercial aquaculture projects, management of animals for large aquariums worldwide, and commercial diving. Tony is also a licensed electrician.

This combination of skills and strengths has pulled together to create Solar-fish as an innovative and leading-edge technology based company with a drive to promote a variety of sustainable solutions throughout the Tropical Zone.

International Projects

Soon to be installing a custom 'live' export aquaculture facility in PNG.

Australian Projects

Custom design and installation of a 'live' export aquaculture facility for ISP Seafoods in Cairns



Stephen de Jersey Architect Pty Ltd



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Stephen de Jersey Architect Pty Ltd is a design focused architecture practice with a small team working from offices in Townsville and Brisbane.

We take on a broad spectrum of projects and have been awarded for commissions as diverse as specialised medical centres, challenging residential commissions, iconic commercial buildings and buildings and housing for remote indigenous communities.

Fields Of Commerce

Architecture
Project Management
Urban Design
Master Planning

Target Industries

We service any industry which can benefit from the commissioning of design services relating to built form.

Specialist Areas Of Tropical Expertise

Ability to responding to the local climate in design of broad spectrum of building typologies.

As we are based in North Queensland, we have developed a large number of approaches towards responding to the Dry Tropical climate.

Company Profile

Stephen de Jersey Architect Pty Ltd is an architectural Design firm. We undertake a broad spectrum of projects.

We apply a lateral design thinking approach to projects in order to achieve well designed outcomes.

One parameter consistent through all projects is that of responding to the local climate.

As we are based in North Queensland, we have developed a large number of approaches towards responding to a dry tropical climate.

Technologies & Capabilities

Stephen de Jersey Architect Pty Ltd possesses the capability of leading the design and delivery of a broad spectrum of project typologies and project size.

We maintain an adaptable team of employees and associations in order to effectively service this project base.

We are based in the dry tropical region of Townsville and are acutely aware of the ramifications of this climate upon our projects.

We commonly undertake project based research and development in order to investigate design alternatives, particularly in relation to responding to living and working in the tropics.

Stephen
de Jersey Architect

Year Established

2000

Management Team

Stephen de Jersey, Director

Type Of Export Business Sought

Direct Export
Joint Venture
Partnership
Licencing
Outward Investments

Certificate & Quality Approvals

Registered Architect, Board of Architects of Queensland, License 3096

Awards

- AIA Hayes and Scott Award for Small Project Architecture (2009) and AIA NQ Regional Award (2009) for Oliver's Cloister
- AIA (QLD) Commendation Commercial Buildings Category (2007), AIA (QLD) High Commendation for Architectural Steel Design Award (2007) and AIA (NQ) Regional Award (2007) for Sports Medicine Centre
- AIA (NQ) Regional Award (2007) for Courtyard House
- AIA NQ Regional Award (2006) for Jimberella Offices
- AIA NQ Regional Award (2003) (in two categories) for Fenwick Facade and Yard House

Company Background

Registered architect, Stephen de Jersey has been director of the Stephen de Jersey Architects team for the past eleven years with Studio's in Townsville and Brisbane.

During this period it has maintained a design focus and has been awarded accordingly.

Whilst the commissions have been diverse in nature, Stephen's principal intent is to ensure the provision of a rigorous design approach to all projects.

Australian Projects

Mater Health Services North Queensland Pimlico - Master Plan development, ongoing evaluation and implementation.

Mater Health Services North Queensland Pimlico - Professional Medical Consulting Suites; Clinical Units including: Endoscopy, Surgical Admissions, Oncology, CSSD; Building Two and Training Facility.

Mater Health Services North Queensland Hyde Park - Master Plan development, ongoing evaluation and implementation; Existing hospital alterations and additions; Roadways and Carparking; Medical Centre Sportsmed, Sports Medicine Centre.

Catholic Diocese of North Queensland - Oliver's Cloister and Abergowrie House.

Jimberella Cooperative Society - Jimberella Offices, Dajarra; Housing, Dajarra; Jimberella House, Mount Isa.

Fenwick Suppliers - Ingham Road Facade

Pickering Corporation - VW Showroom and Workshop; Kia Showroom

Tennis Townsville - Master Plan and Concept Design

Residential Projects including Beatrice Street Apartments (Atherton), Courtyard House, Terrace House, Yard House, Rice House, Cantilever House, River House

Stephen
de Jersey Architect

Studio Mango Pty Ltd



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Studio Mango are Cairns based architects based with 20 years experience of tropical design.

Studio Mango design and project manage contemporary, sustainable buildings for tropical climates including government, health, education, commercial, tourism, residential and master planning.

Fields Of Commerce

Architecture consultancy

Target Industries

Detached and multi housing,
Commercial and institutional buildings

Specialist Areas Of Tropical Expertise

Sustainable tropical architecture
Tropical housing

Company Profile

Studio Mango is a specialist in contemporary, regionally responsive, sustainable building design in Far North Queensland.

We work throughout the region, from remote Cape York and Torres Strait communities, through the rural Tablelands, the coastal villages to the urban centre of Cairns city.

We have experience in a wide range of projects including government, health, education, commercial, tourism, residential and master planning.

Studio Mango is responsible for dynamic and innovative buildings that reflect an interactive partnership with clients, builders and our tropical environment. Our designs are thoughtful, functional, exciting and responsive to their regional and environmental context.

We are also an experienced and professional project management and documentation team. We are Cairns' most experienced users of Building Information Modelling software (Autodesk Revit) which, with our well established management and quality systems, and our high documentation skills, leads to accurate and comprehensive documentation for tender and reduced costs during construction.

Technologies & Capabilities

Studio Mango are tropical pioneers in the use of Building Information Modelling Systems; having used Autodesk Revit for eight years. The experienced use of BIM leads to more detailed and developed design schemes and comprehensive and data rich documentation. Not only does this mean that the client can see exactly what they are getting through continuous virtual 3D models, but there are fewer variations and delays during construction.

Studio Mango have a tight and experienced project documentation team and generally undertake structural documentation in-house leading to better coordination across disciplines.

Year Established

2000

Management Team

James Maude, Director
Nicole Ewing, Senior Architect

Target Export Markets

PNG
Malaysia
Indonesia

Type Of Export Business Sought

Direct Export
Partnership

Certificate & Quality Approvals

- 3rd Party Audited Quality Management System
- Green star trained registered architects

Awards

- FNQ AIA House of the Year 2009
- AIA awards commendations 2008, 2007
- Cairns Tropical Housing Competition joint winner 1995
- Cairns Affordable Housing Competition winner 1994

Australian Projects

Richmond Shire Council Administration Building

An innovative Council building in an abstracted shape of the Richmond Pliosaur

Palm Island Government Offices and Shops

A pair of carefully detailed, multi-tenant government buildings, built to a high standard in a difficult location, under a design construct contract.

Cook Shire Council Administration Building

A dramatic reworking of the old 1960's Cooktown school to provide a modern, energy efficient and functional office for Cook Shire Council.

Mookai Rosie Bi-Bayan

24 bed hostel and support facility for Indigenous Mothers and Babies

Esplanade House

Luxury 4 storey water side house on a tiny lot

Clare Street development

Subdivision and townhouses on a tight inner city site

Storywater Boutique Hotel

With just eight luxury rooms Storywater was designed to attract attention

Superior Screens



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Manufacture, supply and installation of architectural and screened products.

Fields Of Commerce

Product manufacture
Product design
Consulting
Retail distribution of others products

Target Industries

Domestic, commercial buildings, mining

Specialist Areas Of Tropical Expertise

Window shading
Building design
Automated solar/wind/rain sensor products
Architectural privacy screens for tropical climates

Year Established

2005

Management Team

Guy Sorensen, Managing Director
Peter Holmes, Production Manager
Peter Stephan, Technical Manager

Certificate & Quality Approvals

One Patent – fixed louvre (flat pack)

Company Profile

Our company consists of two interests:

- Architectural screened products.
- Domestic building and renovations

As part of a nation wide group, Superior Screens Townsville has been doing business for 7 years. We are a growing establishment, committed to design, manufacture and installation of both domestic and commercial screened products.

A wide range of screen products are available. Most of the product is custom manufactured or supplied through our strong relationship with distributors for larger manufacturer's.

Our North Queensland region presents us with the some of the most extreme weather conditions on the planet. Our range of screens will help you keep the elements at bay in style!

Technologies & Capabilities

We distribute for companies who have significant resources in automated technologies for sun and wind sensor products.

Our range includes:

- automated solar/wind/rain sensor products
- architectural privacy screens for tropical climates
- fixed louvres
- adjustable louvres
- aluminium slatting + flatting
- colorbond slatting + lattice + louvres
- balustrade
- acoustic wall systems

Technology or Patent Ownership

Fixed Louvre (flat pack)

Company Background

The owner has been a licensed builder for fifteen years. In 2005 there was an opportunity to incorporate and become involved in screened products as a sideline to the building business and this has grown and continues to do so.



Sustainable Solutions Consulting Pty Ltd



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Sustainable Solutions Consulting provides sustainable economic, environmental and social solutions for complex, high calibre Australian and international projects. Our team integrates scientific, consultation, project management and crisis response expertise to fulfil the client's requirements and direct projects towards optimum outcomes for the client, local community and environment.

Fields Of Commerce

Consulting
Research
Product Innovation

Target Industries

Mining, Oil and Gas, Hydroelectricity, Power infrastructure, International Aid and Development, Local Government.

Specialist Areas Of Tropical Expertise

Environmental and Social Impact Assessment and Feasibility studies
Community Engagement and Consultation
Project Closure Planning
Environmental and Social Reviews
Community Development
Project Management



Company Profile

Sustainable Solutions provides scientific, consultation & management expertise to find solutions to the environmental and social impacts of high calibre resource management projects. We work with the private sector, government & non-government agencies & specialise in tropical & remote environments. We are experienced at managing complex, long term projects to achieve optimum outcomes for our clients, the local community & the environment.

Maximise benefits & minimise risk: Our solutions are sustainable because they maximise the environmental, social & economic benefits of a project while minimising the risk. We recognise that each stakeholder has to make compromises & that a solution will only last if concessions are balanced by gains across the major stakeholders.

Anticipate client needs & value add: We work for clients who recognise that some compromise is necessary so that the environment & local community do not bear all the costs of a project without receiving any benefits. We believe in the value of the services we provide to the extent that we over-deliver by anticipating our clients' needs; transferring knowledge & skills to increase the capacity of our clients' staff & continuing to mentor staff after contracts have finished.

Empathy: We bring empathy & warmth to our dealings with both impacted communities & project staff to open communication pathways and improve cross-cultural understanding.

Manage complexity: We are experienced at dealing with complex technical & social issues in crisis situations and understand how to drive compromise to find a way forward from an apparent stalemate.

Highly skilled team; accessible advice: Our team has highly developed technical & management skills to assess environmental & social impacts & develop management & mitigation solutions. We work with a team of key partners to provide specialised technical studies & then integrate the results into clear and accessible advice.

Technologies & Capabilities

Experience: project management, mine closure planning, stakeholder analysis & consultation, rehabilitation, conservation planning, eco-tourism, training, gender analysis

Skills: project scheduling, time management, coordination, facilitation, stakeholder engagement, communication, crisis resolution, carbon accounting, feasibility studies, ethnobotanical studies, environmental auditing

Languages: French, German, Bahasa Indonesian

Company Background

Sustainable Solutions Consulting was started in 2002 by Dr Geraldine McGuire to provide a service which combines both social & environmental assessment & management. Dr McGuire's experience as Environmental Manager at various tropical mine sites convinced her that the ways in which environmental & social impacts interact & exacerbate each other leads to a level of complexity which many companies do not have the skills to address.

Year Established

2002

Management Team

Dr Geraldine McGuire, Managing Director
Atherton Nye, Director
Denise Bond, Project Manager
Natalie Foster, Project Officer
Adam Cowan, Project Officer
Julie Wright, Office Administrator

Current Export Markets

Lao PDR
Fiji
Indonesia

Target Export Markets

Indonesia
Vietnam
Papua New Guinea
Pacific Islands

Type Of Export Business Sought

Direct Export
Joint Venture
Partnership
Licencing

Certificate & Quality Approvals

Member: Environment Institute of Australia
and New Zealand
Member: Australian Institute of Company
Directors

Awards

Finalist, RIRDC Rural Women's Award 2010

Company Background Cont.

Working in conjunction with key partners & sub-consultants, the professional staff at Sustainable Solutions Consulting have the experience to analyse the complex interactions between environmental & social impacts & create solutions which are sustainable because they balance the needs & concerns of the environment, the impacted community & the economic drivers of the project. In the process, Sustainable Solutions Consulting develops the skills of client staff so that they have an increased capacity to manage both the social and environmental impacts of the project. Sustainable Solutions Consulting has worked across Northern Australia, the Pacific & South-East Asia.

International Projects

Sepon Gold and Copper mine, Lao PDR: Review of gold mining operations, review of Acid Rock Drainage management, Audit of Environmental & Social Operations, coordination of Environmental & Social Impact assessments, Environmental Legal Compliance Audit, Construction inspections & reviews of Tailing Storage Facility, Pipeline, Power lines & Processing Plant expansion projects.

Waisoi Copper Project, Fiji: Social Impact Assessment

Indomet Coal, Indonesia: In-migration Management Plan & Stakeholder Engagement Plan

Martabe Gold Mine, North Sumatra, Indonesia: Feasibility Study site inspection and review

Australia Pacific Economic Cooperation (APEC) Life of Mine planning workshop, Indonesia: Coordinate & facilitate workshop to build the capacity of member economies to promote sustainable development concepts & plan for sustainable post-mining land uses. Funded by APEC Mining Taskforce.

Kelian Equatorial gold mine, Indonesia: Production of Annual Social and Environmental reports in Bahasa Indonesian & English, development of Mine Closure Plan.

Women in Mining Conference, PNG: research on status of women at five mining sites in PNG, presentation of paper, preparation of Conference Proceedings & Outcome Report.

Australian Projects

Liquid Natural Gas project, QLD: Social Review of plant & pipeline impacts

International Council of Mining & Metals (ICMM) Mine Closure Toolkit: Industry survey of mine closure planning & practice

Blair Athol Coal mine, QLD: Preparation of Mine Closure Plan

South of the Embley Bauxite Mine: Community Consultation & Social Impact Assessment

Tepon Wondecla Reserve, QLD: Land Management Plan

Cultural & Natural Resources Management Plans, QLD: prepared for Mbarbarum & Tableland Yidinji communities

Low Carbon Diet project, QLD: Facilitate community participation in government energy saving scheme.

Resilient Women Workshop, QLD: Organise and facilitate workshop for rural women to learn community organisation skills.

Argyle Diamond Mines, WA: Review of environmental studies and scoping of impact assessment studies.

Gender Toolkit dev. for Rio Tinto: Contribute to dev. of gender toolkit to facilitate integration of women into mining workplaces.

Wirralie Gold Mines, QLD: Environmental liability assessment, report.

Weipa Bauxite Mine, North QLD: Mine Closure Plan advisor

Western Cape Sustainability Ref. Group & Regional Leaders Sustainability Forums, QLD: Facilitation and coordination of forums.



Terramodus Surveying Pty Ltd



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Contact Eddy Picco
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Email admin@terramodus.com.au
Web www.terramodus.com.au
Address PO Box 6594
Cairns QLD 4870

TerraModus Surveying is a Cairns based surveying consultancy specialising in cadastral (land) and engineering surveying including land subdivisions and re configurations; boundary identification surveys; strata titling; easement, lease and covenant surveys; contour and detail surveys; mapping of features; monitoring surveys and construction set-out.

Fields Of Commerce

Consulting Services

Target Industries

Housing development (land subdivision, house design, house construction)
Public Infrastructure

Specialist Areas Of Tropical Expertise

Land Surveying
Slope Analysis
Tree Location
Mapping of natural resources & features
Set-out for tenure protecting the natural environment such as building covenants

Company Profile

TerraModus Surveying is a Cairns based surveying consultancy specialising in cadastral and engineering surveying. TerraModus means "earth measurement" and that is precisely what we as surveyors do.

The company is Registered with the Surveyors Board of Queensland to provide surveying consultancy services and is endorsed by the Board to perform Cadastral (land boundary) and Engineering Surveys within Queensland. The company is also fully accredited with the Queensland Government in recognition of our high standard of land boundary surveys and survey plans.

TerraModus Surveying is committed to providing professional services of the highest standard in the most cost-effective manner that satisfies the client's requirements. Our business and staff are well qualified to provide quality and timely survey solutions in urban, rural and remote locations throughout the Cairns region and Far North Queensland.

TerraModus Surveying can provide surveying services for large or small, long or short term projects. We pride ourselves in adopting the highest professional standards with an emphasis in customer service. All surveys are performed with due diligence and in accordance with current professional standards, practice and principles.

Eddy Picco, the Managing Director and Principal Surveyor, has over ten years experience in all aspects of cadastral, engineering and construction surveying. Eddy is a Registered Cadastral and Engineering Surveyor with the Surveyors Board of Queensland, holds a Bachelor of Surveying and a Graduate Diploma in Surveying Practice.

Technologies & Capabilities

TerraModus Surveying specialises in cadastral (land) and engineering surveying including:

- Land subdivisions and re configurations
- Boundary identification surveys
- Strata titling
- Easement, lease and covenant surveys
- Contour and detail surveys
- Height/level surveys
- Location and mapping of features
- Monitoring surveys
- Control surveys
- Construction set-out

TerraModus Surveying has experience with the latest surveying technology and is focused on providing professional yet cost-effective surveying services to the Cairns region and Far North Queensland.



Year Established

2007

Management Team

Eddy Picco, Managing Director

Certificate & Quality Approvals

Registered Cadastral (Land) Surveyor

Registered Engineering Surveyor

Registered Consulting Surveyor

Accredited Land Surveyor with the Queensland Government Titles Registry (for survey plans)

Certified Professional with the Surveying and Spatial Sciences Institute (SSSI)

Company Background

TerraModus Surveying provides professional, friendly and cost-effective surveying services throughout Far North Queensland. Based in Cairns, TerraModus Surveying is a small surveying consultancy that specialises in land surveying, engineering surveying and construction surveying.

Eddy Picco, the Managing Director of TerraModus Surveying, has over ten years experience in all aspects of cadastral, engineering and construction surveying. Eddy is a Registered Cadastral and Engineering Surveyor with the Surveyors Board of Queensland, holds a Bachelor of Surveying and a Graduate Diploma in Surveying Practice. Eddy is a founding member and a Certified Professional of the surveying industry association, the Surveying and Spatial Sciences Institute (SSSI).

Prior to establishing TerraModus Surveying, Eddy gained valuable experience with a variety of survey firms in Far North and South-Eastern Queensland. Eddy has local knowledge of Far North Queensland, being born and raised on the Tablelands and performing surveys throughout the Far North including Cape York and the Torres Strait.

Australian Projects

Small to medium land development projects throughout Far North Queensland

Survey of the township of Kowanyama including road surveys, subdivisions, lease surveys, survey of reserves, and contour & detail surveys for housing design.



The Laminex Group



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Manunda, Cairns QLD 4870

The Laminex Group is the leading marketer, distributor and manufacturer of decorative surfaces. We produce a complete and varied range for both residential and commercial spaces through our brands Formica, Laminex and essastone®.

Fields Of Commerce

Distribution
Manufacturing

Target Industries

The Laminex Group manufacture and distribute products to customers within the building industry.

Specialist Areas Of Tropical Expertise

Cabinetry products
Bench tops
Flooring
Decorative surfaces
Building products

Company Profile

The Laminex Group is the leading marketer, distributor and manufacturer of decorative surfaces throughout Australia and New Zealand. We produce a complete and varied range for both residential and commercial spaces through our brands Formica, Laminex and essastone.

Greenfirst underpins The Laminex Group's environmental approach. Committed to driving sustainable building practices, The Laminex Group are striving to deliver more sustainable product solutions and reducing our environmental impact.

The Laminex Group have now elected to transition their MDF E1 board products to the even lower formaldehyde E0 substrate. Further exciting developments are in place to provide even more sustainable solutions.

Technologies & Capabilities

Greenfirst is the corporate philosophy that underpins The Laminex Group's environmental approach. Committed to sustainable building practices, The Laminex Group offers an extensive range of environmentally-preferable surface solutions that meet or, in many cases, exceed industry standards.

A member of the Green Building Council of Australia (GBCA) with a growing team of GBCA accredited professionals, The Laminex Group can assist with GreenStar® rated projects through the following:

- Low emission products – low formaldehyde (E0, Super E0 and No Added Formaldehyde) and low Volatile Organic Compound (VOC)
- Timber certifications - Forest Steward Council® (FSC®) - Chain of Custody (CoC), Australian Forestry Standard/Programme for the Endorsement of Forest Certification Schemes (AFS/PEFC) certified sites and products
- An ever-increasing range of ecospecifier GreenTag® GreenRate independently certified products

The Laminex Group also maintains an ISO 14001 certification for most sites and is progressively embarking on a number of waste and emission reduction initiatives to reduce our overall environmental impact.

Year Established

1985

Management Team

Ben Hemphill, Branch Manager (Cairns)
Ray Coulin, Regional General Manager Qld/NT (Brisbane)
David Surveyor, Executive General Manager Australia (Melbourne)

Target Export Markets

Papua New Guinea

Type Of Export Business Sought

Direct export
Joint venture

Certificate & Quality Approvals

Greenfirst
FSC/PEFC - Chain of Custody
essastone
Quality ISO 9001
Certified System Health and Safety AS 4801

Technology or Patent Ownership

Laminex
Formica
Trade Essentials
Green First
essastone

Company Background

At The Laminex Group, our company culture reflects our vision, mission, intent, and values.

Vision

An innovative organisation delivering fashionable surface solutions.

Mission

- To be the leading marketer, distributor, and manufacturer of fashionable surface solutions and related products in Australasia.
- To achieve this by being cost-competitive and innovative.
- To value customer relationships and provide the best solutions by understanding our capabilities and customers' individual needs.
- To nurture business partnerships and foster an environment where our employees are valued and empowered to achieve their goals.
- To increase our value to our customers, owners, and ourselves.

North Queensland Projects

The Laminex Group actively participates in industry initiatives and projects to raise the profile of sustainable building practices in North Queensland and actively encourages cabinetry manufacturers to use the 'Greenfirst' range of products, benefitting their customers and workplaces.

The Missing Link

Resource Coordinators Pty Ltd



ABN 90 084 950 103
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Email kim.forde@the-missing-link.com.au
Web www.the-missing-link.com.au
Address PO Box 122
Kuranda QLD 4881

Environmental Consulting services specialising in Integrated Management System development and implementation; Sustainable business practice training; community engagement and project management.

Fields Of Commerce

Consulting

Target Industries

- Mining, Renewable Energy generation and other public infrastructure.
- Small to medium sized business education in sustainability practices.
- Educational institutions.

Specialist Areas Of Tropical Expertise

- Renewable Energy Generation.
- Sustainable practices education: particularly in tropical environments.
- Integrated Management System development and implementation in the tropics.

Company Profile

The Missing Link-Resource Coordinators links you to the information you need: providing the highest quality, practical and achievable technical environmental advice and training solutions. We ensure our advice is in language appropriate to you, our audience – complex science in 'real people' speak. Our assistance can:

- Save you \$ and
- Reduce your legal risks,
- Reduce confusion and uncertainty for you, your clients and your staff,
- Improve your eco-efficiency
- Whilst protecting the environment and the
- Safety of your staff and the community
- the optimal 'sustainable' development.

Our goal is to exceed the expectations of every client by:

- Offering outstanding practical and individualised service
- Engaging your staff and clients,
- Optimising system functionality and
- Improving operational efficiency
- Developing and delivering appropriate training whilst reducing risk and providing the information you require in real and nontechnical language.

Technologies & Capabilities

The Missing Link: Resource Coordinators provide a variety of services:

- Eco-efficiency & Carbon Foot-printing audits;
- Eco-efficiency & climate change adaption program development, training and implementation
- Integrated Environmental Health & Safety Systems: Develop, Implement, Audits, EH&S Awareness Inductions
- Site Risk Assessment & Environmental Impact mitigation
- Community Consultation, Engagement & Capacity Building
- Project Management
- Sustainable Development Codes of Practice: Development & training
- Project Management
- Sustainability Policy & Strategy Development
- Workshop Presentation & Facilitation

Our specialist skills and experience is in providing expertise in remote locations or difficult conditions. Taking complex issues, systems, legislation or regulatory requirements and putting it into user-friendly language appropriate for the audience and location.



Year Established

1997

Management Team

Kim Forde, Director, Principal Consultant

Target Export Markets

Pacific

Papua New Guinea

Type Of Export Business Sought

Joint Venture Partnership

Certificate & Quality Approvals

ISO compliant Integrated Quality, Environment and Safety Management System

Company Background

Kim has extensive Australian experience as an environmental and sustainability manager, with more than 15 years expertise in project management; environmental health & safety systems development; environmental, eco-efficiency and sustainability auditing, policy & strategy development, and site assessment & mitigation including erosion and sediment control; renewable energy generation and demand management/efficiency identification, in the private sector (SME's) and for government bodies and NGOs in Australia.

Often consulted by Councils and developers, The Missing Link provides advice on environmental and sustainability issues in the region, development and training in codes of practice and sustainable development in practice and aiding in capacity building of the community and staff in the process. Most recently we have provided energy and eco-footprint audits for a range of clients, from the tourism industry to schools, small business to government departments. Kim's expertise is to provide practical, specific technical advice to develop diverse and realistic solutions to operational requirements of operations in tropical environments; often where there has been no previous or 'textbook answer'.

We have extensive experience in conservation planning and community engagement and empowerment at various scales. This often requires multiple stakeholder participation facilitation from academics, to local communities, industry, NGOs, and Indigenous peoples.

Australian Projects

Eco-efficiency, carbon footprint audits and climate change response

- EcoBiz Climate Smart Business Cluster Coordinator FNQ (2012)
- TAFE Queensland Sustainable Institutes Project (2011)
- Tourism Queensland Sustainable Regions Project - Magnetic Island (2010)
- Ergon Energy Depot audits (2009)
- Going Green Biz program for AusIndustry - SME's Qld and NT (2008).

Project Management

- Mulgrave River Aquifer Project – community engagement (2010)
- Daintree Green Power Options Study (2009)
- Green Corridor Project - System & project delivery (06 – 08)
- Cairns Port Authority; Centennial Coal – Gap Analysis and EMS Document preparation
- Stanwell Corporation Ltd (1999 – 2006); Jackson Jackson Refrigeration (2010): Develop, implement maintain ISO14001 certified EMS
- Stanwell Corporation (1999 – 2006) Env management and Wind Farm community stakeholder engagement: Windy Hill (Qld) and Toora (Vic)

Environmental Management and Impact Assessment and Mitigation

- Tropical Paradise Resort – IAS development (2010)
- Ella Bay Resort EIS Review and EMP development - Satori Resorts (2008)
- Cook Shire Weed Management Plan (2007)
- Review and develop infrastructure permits for WTWHA for WTMA. (2006)

Training Development and delivery of:

- Diploma of Sustainability for TAFE TNQ (2008-2010)
- Management System implementation for Wide Bay TAFE (2011)
- Environmental Inductions – Ella Bay Resort; Santos GLNG Project
- 'Working in the Wet Tropics' for regional councils and infrastructure agencies in the Wet Tropics World Heritage Area



Thirkell Consulting Engineers

Redgate Building Solutions Pty Ltd



ABN 35 144 589 426
Contact George Thirkell
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Thirkell Consulting Engineers offers structural and civil engineering services throughout North Queensland. We service projects with building values up to \$3M and carry out associated minor civil works and small subdivisions. We specialise in Cyclone recovery work and insurance reporting and are experienced with difficult sites, remote locations and heritage buildings.

Fields Of Commerce

Consultancy

Target Industries

Housing (new and renovations), public buildings and infrastructure and commercial & industrial building projects aligned with tourism, manufacturing, retailing, agriculture and mining.

Specialist Areas Of Tropical Expertise

- Cyclone damage reporting & restorations
- Designs exceed standard cyclone ratings
- Specification of 'green' finishes and technology suitable for tropical climates
- Repairs and additions to heritage buildings using local and recycled materials.
- Design that limits the disturbance of natural terrain and protects water quality
- Design for maintenance and 'all costs' consideration including remote buildings.

Company Profile

Thirkell Consulting Engineers director George Thirkell has over 19 years of engineering and design experience in a wide range of projects providing services in scheme and detailed design, documentation, inspection and surveying of construction. Projects include residential, shopping centres, offices and multi-use medium/ high rise buildings, building refurbishments, recreational and leisure facilities, industrial buildings, soil and water retaining structures, mining infrastructure, marine structures, temporary works, cyclone recovery and insurance reports and general building design.

We have developed expertise in all typical materials such as reinforced concrete and masonry, composite structures, hot and cold formed steel and timber structures as well as aluminium walkways and platforms. George has carried out the engineering of commercial buildings in steel portals and reinforced concrete tilt-up panels and other materials.

George has been a director of Redgate Building Solutions PL trading as Thirkell Consulting Engineers and Beachcomber Building Solutions for eight years. He is now culminating skills in design, drafting, structural engineering, project management and planning approval processes, invaluable to clients looking for a 'one stop shop'. Main clients include private developers, builders, other designers, other engineering firms and clients with difficult land sites or refurbishment that requires detailed engineering knowledge to evolve excellent design within a budget.

Major projects have included Cyclone Larry and Yasi recovery. The recovery work included inspections and reports followed by a full range of structural engineering and design documentation work for all major insurance companies, local authorities and private companies and individuals.

Opportunities to work in partnership and teaming or joint venturing on projects where our skills add value to a project are welcome.

Technologies & Capabilities

Capabilities include:
Structural and civil engineering
Certification: RPEQ, Form 15 & 16
Scheme design concepts and design development
Construction drawings
Drafting & Specification documentation
Inspection and reports
Contract negotiation and documentation
Scope of works documents
Building inspections: pre-purchase and construction administration
Development and building applications and approval administration
Feasibility and Desk studies



Year Established

2004

Management Team

George Thirkell, Principle Director
Emma Thirkell, Administration Director

Target Export Markets

Papua New Guinea & Indonesia
Singapore & Malaysia
Fiji & Solomon Islands
Vietnam and Southern China
Southern India
Mauritius
Tropical South America

Type Of Export Business Sought

Joint venture

Certificate & Quality Approvals

- Bachelor of Engineering (Civil and Structural) University of Queensland
- RPEQ Registered Professional Engineer QLD 7279
- MIEAust Engineers Australia
- QBSA Design Licence 1211127 (medium rise)
- BEDI Endorsed Sustainable Building Designer
- HIA Greensmart Professional
- Bachelor of Business (Property) University of Queensland
- MRICS Royal Institution of Chartered Surveyors 1114355

Company Background

George and Emma Thirkell have developed professional careers in the property and construction industry for over 20 years mostly based in tropical North Queensland. George has engineered some of Cairns' major buildings including the Convention Centre and Skyrail. Six years were based practicing in London on projects spanning across the UK. Their respective professional development in the UK was underpinned by the expansion of UK and European Union law on built environment. During this time George worked on the Swiss-Re (Gherkin) iconic Norman Foster designed office building in the City of London delivering cutting edge 'green' building features. In 2002, Emma was one of the first in the property valuation industry accredited to carry out energy efficiency assessments reported along with bank lending valuations. Upon returning home to Cairns, there was opportunity to develop projects and the market for sustainable buildings. It was identified that some important building regulation was counterproductive to sustainability, some new green building technology uptake was lagging behind and tropical expertise was not well recognised. Green-build.com.au was developed along with the founding of the Tropical Green Building Network to further support the work being done by Thirkell Consulting Engineers and the work of industry colleagues in the area of built environment sustainability.

International Projects

Based in London: Civil works for McLaren's European Head Quarters (F1 car manufacturer) for Research and Development; design of deep basements for Harrods (retail); a suspended piled diving pool for Dulwich College; basement areas of the iconic Swiss-Re building in the City of London; Sir John Gielgud theatre extension and refurbishment; Virgin Islands: Transportable Airport control towers
Mauritius: House design to Australian cyclone rating standards

Australian Projects

George was employed by Colefax Clayton Smith of Cairns, now known as Cardno CCS. Projects of interest include Skyrail, Yorkeys Knob Marina, House on the Hill Apartments and Port Village Shopping Centre and site works at the Royal Harbour and Cairns Convention Centre.

New Commercial building:

Wujal Wujal Arts and Cultural Centre, Wujal Wujal nr Cooktown: Client Wujal Wujal Aboriginal Shire Council

Commercial buildings: renovations and additions:

Historic White Horse Hotel building, Innisfail
Highlander Hotel, Julatten
Goondi Hill Hotel, Innisfail
Kewarra Beach Resort and Double Island Accommodation
Dunk and Bedarra Island Resorts
Fitzroy Island Resort

Some Cyclone recovery repairs include:

Innisfail Library, Alan Maruff House, Innisfail Showgrounds, Council Works Depots, Callender Park, Etty Bay SLSC, Animal Refuge, School of Arts, Cultural Centre, Fossey Park, Anzac Park, Memorial Baths, RSL, Riverdrive Caravan Park, Conservatory of Music, Johnstone Shire Hall, Tully Showgrounds, Tully memorial Baths, Babinda Pub, East Russell pontoons, South Johnstone Mill, agricultural industry sheds & infrastructure and many private homes.



Tippett Schrock Architects



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TSA - Tippett Schrock Architects - is a prominent and respected professional design practice based in Townsville, North Queensland, Australia. Our passionate approach to all projects is flexible and explores ideas from concept to creation to produce elegant and innovative solutions that address the brief, budget, site and climatic conditions.

Fields Of Commerce

Consulting

Target Industries

Education
Housing-individual & medium density
Aged care facilities & housing
Recreational facilities
Industrial & Commercial
Scientific facilities
Retail
Building refurbishment & fitout
Planning studies & urban design
Defence
Resorts & Hotels
Restaurants & bars

Company Profile

The company's portfolio, for clients in both the private and public sectors includes:

- Retail, new office buildings, interior fit-outs and industrial commercial projects.
- Training and industrial facilities for defence.
- Learning places, child care, schools and higher education buildings.
- Unique home designs, home renovations and extensions, multi-level apartments, townhouses and supported housing projects.
- Restaurants, bars, cafes, resorts and hotels.
- Scientific facilities including PC2 laboratories.
- Urban design projects.

Our experience with tropical conditions has led to significant commissions abroad in Fiji and Papua New Guinea.

Tippett Schrock Architects is a RAI A+ certified practice led by a dynamic trio of Registered Architect directors, all North Queenslanders with long standing local backgrounds and a combined wealth of experience gained over a broad range of projects.

Our qualified professional and technical staff has an extensive understanding of design and construction issues, in particular with regard to wet and dry tropical climates. We are dedicated to the ongoing implementation of state-of-the-art software to assist the process of design and documentation and our staff participates in professional development programmes to ensure our knowledge base and skills are in line with current leading benchmarks.

Technologies & Capabilities

We utilise CAD, 3-D design and documentation, teaming with other consultants to achieve BIM modelling and provide energy efficiency simulation. As a substantial regional practice we have the capacity and capability to act as lead consultants on very large projects and we have proven close working relationships with other architectural practices when specific skills or capacity are required.

We are committed to the development of designs that ensure value, enhance lifestyles, and by incorporating sound passive design principles minimise environmental impact and future running costs.

We work with our clients to create unique and evocative, yet functional and efficient building designs.

With over 20 years of successful operation, our long list of return clients is testament to the quality package of architectural services that we provide.


tippett schrock architects

Year Established

1987

Specialist Areas Of Tropical Expertise

- An excellent understanding of wet and dry tropical climates.
- Passive climatic design provides superb spaces & reduce energy consumption at source
- Durability of materials selection for the tropics and coastal environments
- Tropical expertise in building and urban space design

Management Team

Arthur Schrock, Director
Peter Scott, Director
Ian Richardson, Director

Current Export Markets

Fiji, Papua New Guinea

Target Export Markets

Fiji, Papua New Guinea

Type Of Export Business Sought

Direct Export, Joint Venture, Partnership

Certificate & Quality Approvals

RAIA A+ Certified Practice

We have established and maintain an effective and efficient quality system designed to satisfy the requirements of AS/NZS ISO 9001:1994. The TSA quality system is not third party certified.

Awards

- RAIA Regional Commendation for Tripple A Frame House on Magnetic Island
- RAIA Regional Commendation for Townsville Grammar Middle School
- Accessable design award housing: Aged Care
- Accessible Design Award for public spaces: The Strand Redevelopment
- Master Builders awards for numerous commercial and housing projects
- RAIA Regional Commendation for Townsville Grammar School Performing Arts Precinct

Company Background

Formed in 1987, Tippet Schrock Architects is a successful established practice which has a commitment to appropriate design and timely delivery of our product.

Tippet Schrock Architects has a long association and understanding of issues in tropical North Queensland and the accumulated knowledge of design issues has lead to successful commissions in Fiji and Papua New Guinea, an exciting and growing aspect of our practice. Our location has led to numerous remote location projects for clients such as mining companies and local governments. In addition to its considerable local knowledge, Tippet Schrock Architects has a good reputation for the delivery of quality buildings.

We have extended our range of projects by joining with specialist national firms. In doing so we have provided for local clients a combination of specialist expertise and accessible, face-to-face liaison while honing our own skills in areas otherwise out of reach, particularly in the health care and aged care areas. We warmly accept the opportunities arising from teaming and joint venturing where that partnering adds efficiency, credibility and value to the project.

Buildings designed and documented by Tippet Schrock Architects have received acclaim in recent times, with numerous HIA and QMBA awards and Royal Australian Institute of Architects Regional Commendations for housing projects, for the Strand Redevelopment and for education projects.

International Projects

Outrigger on the Lagoon, Fiji, www.outriggerfiji.com
Sofitel Fiji resort & spa, Denerau Island, Fiji
Office & Residential Hi Rise Building, Port Moresby, Papua New Guinea
Office Park, Port Moresby, Papua New Guinea
Remote Medical Centres, Papua New Guinea

Australian Projects

The following is a selection of the TSA portfolio of projects: Cannon Park Centre, Townsville, 1998 • Flinders Shire Council Offices, Hughenden, 2011 • Maritime Museum, Townsville, 1998 • Workcover Offices, Townsville, 2004 • National Business Centre Lavarack, Townsville • RAAF Base Entry, Townsville, 2000 • Lachlan Wilson Centre, Lavarack, Townsville, 2001 • LBR2 Lavarack, Townsville, 2002 • ATC NQ college, Townsville, 2006 • Townsville Grammar middle school, Townsville, 2006 • Northern Beaches state high school PA & sports building, Townsville, 2001 • Townsville Grammar school performing arts centre, Townsville, 2010 • Townsville Grammar school tait library resource centre, Townsville, 2009 • Townsville Grammar junior school upper primary building, Townsville, 2008 • "kembali" - haintz house, Magnetic Island, 2009 • "lotus" - dyson house, Magnetic Island, 2005 • Show house & sales office, Townsville, 2001 • Belrowes Apartments, Townsville, 1993 • Empyrean, Townsville, 2005 • Grand Mecure, Townsville, 2005 • ibis hotel, Townsville, 2004 • Pure Magnetic, Magnetic Island, 2005 • AIMS Infrastructure extension, Townsville, 2001 • AIMS Tropical marine research facility projects, Townsville, 2010 • JCU immunogenetic research facility (the mouse house), Townsville, 2002 • JCU Research station, Orpheus Island, 2002 • JCU Australian institute of tropical health & medicine Cairns, Horn Island, Townsville, 2010 • Jezzine Barracks Redevelopment, Townsville, 2010 • Springbank Urban Village Townsville, 2002/2012 • The Strand Redevelopment, Townsville, 1998



tippet schrock architects

Total Project Group Architects



ABN 61 063 799 333
Contact Edi Piagno
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Address PO Box 560
Manunda, Cairns QLD 4870

Total Project Group is a leading Cairns based architectural and interior design practice, including master planning and project management servicing tropical Far North Queensland. Having worked in the region for well over twenty years we have an intimate understanding of the conditions of climate, construction techniques, the availability of materials and the development process.

Fields Of Commerce

Architectural professional consulting
Sustainable building design
Facilities planning

Target Industries

Housing, residential (single & multiple)
Public infrastructure
Education
Commercial
Industrial
Mix use developments
Facilities planning

Specialist Areas Of Tropical Expertise

Housing design
Multi-residential design
Commercial building design
Educational building design
Building design

Company Profile

Total Project Group Architects brings to each client an architectural and interior design consultancy. With a range of skills and experiences necessary to ensure the successful design and delivery of a diversity of built work. Our dedicated staff guided by architects and directors who have been practicing within the region for well over twenty years and have an intimate and unique understanding of the conditions of climate, construction techniques, the availability of materials and the development process itself.

The strength of our practice is based on our commitment to the client through a team of dedicated and qualified professionals who combine an accomplished range of award winning skills and experience.

Total Project Group provides specialist skills & experience in:

- Master planning & urban design
- Development management
- Community consultation
- Conceptual and schematic design
- Architectural design and documentation
- Interior design services
- Contract administration and project management
- Post occupancy evaluation services

Technologies & Capabilities

Total Project Group has three fully registered architects supported by professional staff personnel as necessary. All the directors have lived & worked in the region for well over twenty years and have an intimate understanding of the conditions of climate, construction techniques, the availability of materials & the development process.

As a locally based firm we have a thorough understanding of the tropics, with extensive experience in education, multi unit residential, accommodation, commercial, and tourist developments, administrative & environmental knowledge against a sound understanding of the local construction industry. Edi Piagno a director of Total Project Group, along with other staff have successfully completed the Green Star Accredited Professional Course.

Total Project Group Architects offer the security of a staff component in excess of 10 people. Our practice is frequently involved in complex, multi-disciplinary projects that involve traditional project delivery, fast track construction or design and construct contracts and have the required experience to manage the process to meet deadlines. The required skill sets on a variety of project types exist in our office which allows a back up strategy for project commitments in the unlikely event that someone falls ill or is unable to continue on the project for whatever reason.

Our office is managed by a highly skilled General Manager who reviews, checks and confirms the required outputs and schedules these against the designated staff's commitments. Any gaps between the

Total Project Group Architects

Year Established

1994

Management Team

Andrew Simpson, Managing Director
Roger Mainwood, Principal Director
Edi Piagno, Director

Target Export Markets

Papua New Guinea
Asia

Type Of Export Business Sought

Direct export
Joint venture

Certificate & Quality Approvals

Registered Board of Architects Queensland
PQC 3 Qld Public Works
Quality Assurance
ISO 9001-2008 compliant

Awards

- 2011 AIA Regional Commendation - Cairns TAFE Health and Sustainability Building Precinct Block J
- 2011 AIA National Heritage Award - Cairns International Cruise Liner Terminal
- 2006-2008 QMBA Best Resort in Queensland- Cairns One Residential Community
- 2004-2007 QMBA Best Low Rise Residential - The Lakes Resort & Spa, Cairns
- 2007 AIA Best House of the Year Far North Queensland Region
- 2006 AIA Regional Commendation Award Argentea Display Villa, Cairns
- 2002 AIA Regional Commendation Award Young Residence
- 2000 AIA Regional Commendation Award "The Peninsula" apartments, Port Douglas

Technologies & Capabilities Cont.

required and available resource is flagged weekly at the scheduled resourcing meeting and addressed. All programmed projects are given priority and any additional staff requirement is addressed. This allows for an agile response to project requirements and the required skill sets to achieve the scheduled milestones. Full time dedicated support staff provide professional services across the areas of finance, information technology, human resources and administration.

Total Project Group Architects is committed to exploring, developing and promoting sustainable initiatives across all building types. We have a team of staff in the office who commit a percentage of their working time to understanding sustainability and further developing their skills in this area through attendance at accreditation seminars.

As a responsible commercial practice, Total Project Group understands the need to promote social, economic and environmental sustainability initiatives to deliver robust, viable and enduring projects. We are committed to pursuing this aspect of design with commercial realities, we work with clients to tailor specific sustainability objectives to particular sites and the marketplace.

Company Background

Total Project Group Architects is a highly experienced Cairns based architectural and interior design practice servicing tropical Far North Queensland. Established in 1994, the company is led by three Directors, Andrew Simpson, Roger Mainwood and Edi Piagno.

Total Project Groups' broad experience and multi-disciplinary practice lends itself to a unique level of expertise in design for the tropical region. All the directors have lived and worked in the region for well over twenty years and therefore have an intimate understanding of the conditions of climate, construction techniques, the availability of materials, and the development process.

As a locally based firm we have a thorough understanding of building in the Tropics, with experience in commercial, educational, residential, community and tourist developments. We have the administrative and environmental knowledge as well as a sound understanding of the local construction industry.

Our ongoing commitment to our clients requirements is reinforced by pragmatic business skills. We can bring to the project a thorough understanding of the commercial realities of the total development. This is reflected in the numerous repeat clients we have provided services to.

International Projects

Papua New Guinea, Piaim Village - residential complex for mining company

Australian Projects

- Cairns TAFE Sustainability and Health Training Precinct (J Block)
- Port Douglas Community Hall
- Cairns Cruise Liner Terminal
- 201 Living Apartments
- Cairns Regional Gallery & Perrottas Cafe
- Cairns One Apartment complex

Total Project Group Architects

Tropical Energy Solutions



ABN 97 124 141 573
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Tropical Energy Solutions provides turn-key solutions for on and off grid energy generation, energy saving and demand management applications. We identify, promote and implement solutions that are clean, reliable and economically viable. Our business delivers products and services that suit tropical environments and we work in closely with leading manufacturers.

Fields Of Commerce

Project management, Design and installation (power systems), Consulting, Training, Research, Tender specifications and evaluation

Target Industries

All industry sectors that require electricity can benefit from our services including mining, agriculture, housing, public infrastructure, health, tourism, manufacturing, defence, government agencies and energy utilities.

Specialist Areas Of Tropical Expertise

Grid connect power systems
Remote Area Power Systems
Commercial energy audits
Energy efficiency training
Energy management plans
Technology feasibility studies

Company Profile

Our business operates in three core areas:

- Technical Services for the engineering, project management & installation of innovative energy solutions including power systems for remote areas
- Energy Management Services for the development of energy management systems, energy auditing & demand management strategies for government, commercial operations & property developments
- Education services for the training of personnel in renewable energy generation & sustainable energy management techniques

Tropical Energy Solutions identifies products, technologies & procedures that have demonstrated their ability to provide reliable energy solutions in nontropical or semi-tropical environments. These are verified by us against the requirements under tropical conditions &, where necessary, are modified to meet these requirements. In addition we utilise products & procedures with a proven track record in the tropics.

The provision of affordable energy solutions with positive cost/benefit ratios & the identification of emerging applications and markets is the over arching goal for all our business operations.

The company's operation in Townsville enables us to work in a true tropical climate with the infrastructure & services of a dynamic industrialised marketplace. The surrounding region has a strong demand for stand-alone power systems to cater for mining operations & other remote facilities. Established links to neighbouring nations are currently being developed to service these international markets.

Technologies & Capabilities

Tropical Energy Solutions capabilities include:

- Significant experience with commercial scale, off-grid, hybrid power system design & supply
- Development of energy management systems for organisations, buildings & specific processes
- Consulting services & energy audits in accordance with AS/NZS 3598:2000
- Development & delivery of training programs to assist in the implementation of energy management systems & the recommended actions from energy audits
- Development & delivery of education & training packages in renewable power systems & energy management
- Technical services for the engineering, project management & operation of innovative energy solutions.
- The ability to meet the requirements & objectives in a wide range of industries & government agencies
- In all activities we combine best practice with hands-on experience & compliance with the relevant AS/NZS or ISO standards

Tropical Energy Solutions staff have significant professional experience in the national & international marketplace including project management, engineering and training and business development.



Year Established

2007

Management Team

Frank Dallmeyer, Director (Grid connect/off grid power systems, energy auditing, re-search, training)

Mark Lewis, Project Manager (Training, business development grid connect power systems, energy auditing)

Dinyar Bharucha, Project Manager (Electronic systems design, grid connect power systems, energy auditing)

Neil Carter, Project Manager (Building design, grid connect power systems, energy auditing)

Trish Auld, Project Manager (Energy policy, marketing, energy auditing)

Target Export Markets

Pacific Island Nations

Type Of Export Business Sought

Direct export

Joint venture

Partnership

Certificate & Quality Approvals

- Design and Supervise Grid Connect PV Systems (Clean Energy Council)
- Design and Supervise Stand alone power Systems (Clean Energy Council)
- Registered Greenhouse and Energy Auditor, (Dept of Climate Change and Energy Efficiency)
- Accredited trainer and assessor
- Accredited ecoBiz facilitator
- Engineers Australia

Company Background

Frank Dallmeyer has an Engineering Degree and from 1991 to 1997 held management positions in sales, product management and international marketing at Draeger Safety in Germany. This work continued this work in Malaysia until 1999 and in Melbourne until 2004, holding positions as Business Unit Manager for Industrial Instrumentation and Control Systems.

In 2005 Frank moved to Townsville and joined Townsville Enterprise Ltd as Manager for Regional Economic Development. This organisation is North Queensland's peak organisation for economic development and destination marketing and Frank worked to improve the delivery of dependable and competitively priced energy to the region. Frank established Tropical Energy Solutions Pty Ltd in 2007 to provide clean, reliable and affordable energy systems.

The past five years have seen dramatic changes in the renewable energy industry with the domestic, commercial and government sectors realising the need for reducing costs through becoming energy efficient and by using hybrid energy systems to replace and complement traditional grid and diesel generated power.

Tropical Energy Solutions now employs a diverse team of project managers who have a broad range of international business and project management experience in engineering, project management, energy policy, and architecture.

Australian Projects

Boodjamulla (Lawn Hill) National Park:

The ranger station at Boodjamulla National Park accommodates around seven staff and also has workshop facilities for park maintenance. The site had a Remote Area Power System (RAPS) installed 13 years ago. This system was becoming unreliable as a number of panels had failed and the generator was required to operate continuously. We tested the existing solar panels and replaced those that were no longer working, added additional panel arrays, replaced over six tons of batteries, installed a new generator and extended the existing grid. The ranger station now has a reliable power source that which is much more efficient and environmentally sustainable.

Ergon Energy Isolated Communities Energy Audits:

This is an energy savings pilot program that focussed on three communities – Thursday Island, Horn Island and the Northern Peninsula Area. The energy savings pilot program aimed to identify and test methods and approaches to reduce energy consumption across the three communities by 20% through a combination of behavioural and technology oriented energy saving measures. We have conducted 57 energy audits in these communities at sites that include hotels, banks, retail outlets, schools, government offices, hospitals, industrial facilities and residential buildings.

AusIndustry BSCE Program:

Tropical Energy Solutions has been part of the AusIndustry funded BCSE program to train North Queensland businesses in the economic benefits of good energy, water and waste management procedures. In awarding its funding AusIndustry recognised the relevant knowledge and skills held by Tropical Energy Solutions. The project was titled "Going Green – learn, do and save". Tropical Energy Solutions has provided workshop content and, technical expertise for the development of an on-line audit tool and delivered seminars throughout the North Queensland Region.



Tropical Green Building Network



ABN Voluntary Network
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Cairns QLD 4870

The Tropical Green Building Network is a group of dedicated local professionals, businesses and individuals with expertise in creating a sustainable built environment in the tropics.

The network organises regular public events, encourages collaboration, and supports leadership and learning in the areas of sustainable tropical building design, construction, planning, products and services.

Fields Of Commerce

Voluntary Community Network developing the tropical green build sector in North & Far North Queensland.

Target Industries

Building & construction industry

Specialist Areas Of Tropical Expertise

- Comprehensive understanding of tropical green build products and practices.
- Collectively the network represents the current leaders in sustainable building design, fitout and construction in Far North Queensland.



Company Profile

The Tropical Green Building Network (TGBN) is a network of building and construction industry practitioners who regularly collaborate to advance the sustainability of the built form in tropical Queensland.

Members of the Tropical Green Building Network include architects and designers, builders, construction service professionals, building material manufacturers, retailers, government representatives, industry and community associations and other interested stakeholders.

The majority of members are presently from the Cairns and Far North Queensland region but involvement from further afield eg Cape York to the North and North Queensland / Townsville region (dry tropics) to the south are welcomed.

Members of the TGBN promote their businesses and contribute to the TGBN Forum hosted by GreenBuild.com.au. This online resource provides public information and promotes green building products and services relevant to sustainable building practices in Tropical Queensland.

The TGBN is on the Cairns Regional Council Urban Design Advisory Board (UDAB) and the current work of the Urban Sustainability Officer is sponsored by the Cairns Regional Council, Cairns and Far North Environment Centre (CAFNEC) and Greenbuild.com.au. The TGBN will be seeking a new funding stream in 2012 to carry on our vital work.

Technologies & Capabilities

The Tropical Green Building Network identifies, develops and actions projects that will have a measurable impact on the uptake of sustainable building practices in Tropical Queensland.

The Network engages with the broader community on practical issues of concern with an underlying interest in informing and encouraging the uptake of green design, building, materials and services. Current topics of collaborative advocacy, policy, or resource development include:

- Best practice air-conditioning in the tropics
- Recycling of construction and demolition waste
- Greywater system uptake
- Education for a sustainable built environment
- Retrofitting of housing for sustainable living
- Development of a sustainable models for tropical design of affordable housing
- Energy rating
- Water management including rainwater collection
- Insulation in the tropics
- Alternative power generation
- Energy rating methods
- Sustainable education programs in the built environment

Year Established

2008

Management Team

Facilitator:

- Emma Thirkell (GreenBuild.com.au)

Administrator:

- Urban Sustainability Officer

Steering Committee:

- BlueScope Water, Nick Skutenko
- Building Designers Association of Queensland (BDAQ), (Green at Heart) Sophie Barrett
- Cairns Regional Council, Planning and Environment, Peter Boyd
- Department of Employment, Economic Development and Innovation (DEEDI), Kathy Rankin
- Royal Institution of Chartered Surveyors (RICS), (Thirkell Consulting Engineers) and GreenBuild.com.au, Emma Thirkell
- Australian Institute of Architects (Total Project Group), Edi Piagno
- Surveying and Spatial Sciences Institute, Jemma Picco
- Engineers Australia (ARUP), Rupert Allen
- James Cook University, Dr Lisa Law
- Planning Institute of Australia (PIA), Nikki Huddy
- Reef and Rainforest Research Centre, Nicky Swan

Company Background

The formation of the Tropical Green Building Network sought to bring together Tropical North Queensland's leading green building practitioners to support each other in the development of intellectual and practical knowledge to enhance individual and industry ability to deliver best practice sustainable buildings in tropical North Queensland.

The level of activity of the Tropical Green Building Network is a testament to the commitment, knowledge and skills of the network members.

The Tropical Green Building Network was founded in 2008 by Emma and George Thirkell, Nicky Swan and Patrick Winter of Tropical Trend Homes in recognition that the uptake of green building technology in Far North Queensland was lagging, some important building regulation was counterproductive to sustainable built outcomes in the tropics and that tropical expertise was not well recognised.

Australian Projects

The following is a sample of TGBN activities:

- Development of a Guide to installing a rainwater tank in the Cairns Region including tie down requirements (TGBN members in the Rainwater Tank industry, the Cairns Regional Council Plumbing inspectors and Building Codes Queensland)
- Streamlining of the costly application and approval process for the installation of greywater systems (consultation with greywater system providers and consulting industry)
- GIS mapping of the Cairns Region to show areas where greywater systems are suitable or unsuitable based on topography, soil types, flood levels, water tables and water courses that influence the success of a greywater System. (Tropical North Queensland TAFE, Cairns Regional Council, TGBN members who are experts in the greywater industry)
- Support for the use of Reflective Thermal Insulation in North Queensland including for the installation under the roof (with Department of Environment, Heritage, Water and the Arts)
- Refurbishment of J Block, Tropical North Queensland TAFE – \$10 million of Federal government funding secured and building renovated as a showcase of green building excellence in tropical design and construction (15 TGBN members provided EOI's offering green products and services helping to secure the bid and providing green goods and services to the renovation).
- Feedback to Building Codes Queensland Energy Performance Codes Regulatory Impact Statement re: limits of the Thermal Simulation Software BERS Pro and AccuRate and counter productive regulatory impact of that and other proposed regulation on sustainable building practices in tropical North Queensland.
- TGBN has coordinated Sustainable House Day in FNQ since 2009 and worked with CAFNEC to administrate the funding and sponsorship money, employing a casual worker to help organise the day with volunteers. The 2011 day was more successful than any previous year with 9 homes open in the region. Over 700 people visited the homes.
- The TGBN is currently facilitating the development of model sustainable display homes for the tropics in conjunction with local property developers and builders.
- The TGBN with the assistance of the Queensland State government is represented at the Brisbane Build Design Expo May 2012 presenting tropical green building expertise in North Queensland.



Tropical North Queensland TAFE



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Tropical North Queensland TAFE is a vocational education and training institution and is the largest provider of accredited vocational education and training in Queensland.

Fields Of Commerce

Consultation
Workforce planning development
Analysis
Training

Target Industries

Vocational Education and Training

Specialist Areas Of Tropical Expertise

Vocational Education and Training related to Tropical Ventures

Company Profile

Tropical North Queensland Institute of TAFE (TNQ TAFE) is part of the Queensland Government Department of Education and Training, and is one of six (6) TAFE QLD Regional Institutes. As part of the TQR network, TNQT is the largest provider of accredited vocational education and training in Queensland. We have access to 6 regional institutes who have a combined 46 campuses service approximately 90% of the State. TNQT's primarily services an area from Cardwell to the Torres Straits and west to Kurumba.

Training Offerings:

The Institute delivers a range of accredited and nonaccredited programs in multiple vocational areas across the tropical north. Program types include:

- Short courses
- Pre Vocational programs
- Trades programs
- Certificate I : Diploma programs

Training is delivered using a range of training models and incorporates recognition of prior learning (RPL) in all instances.

Technologies & Capabilities

Short Courses:

- Machinery courses include: Elevated Work Platform, Excavator, Dogger, Bobcat, Front End Loader, Forklift, Crane
- Hydraulics
- AutoCAD
- Confined Space
- Working at Heights
- White Card (construction)
- Chemical Handling
- Restricted Electrical; Test and Tag
- Traffic Control
- Chainsaw
- Backflow prevention
- Cultural Awareness
- Leadership
- Safety

Vocational Course Areas:

- Mining (Resource and Infrastructure)
- Construction
- Civil Construction
- Engineering
- Metal Fabrication
- Automotive Mechanical
- Sustainability
- Sustainable Energy
- Electro-Technology



Year Established

1970

Management Team

Joann Pyne, Institute Director
Donnor Maree O'Connor, Deputy Institute Director
Danny Lovern, Director of Finance
Tim Campbell, Director of Business Improvement
Ron Todd, Director of Business Development & Marketing
Phil Williams, Faculty Manager, Health and Community Care, Marine and IT
Jonathan Todd, Faculty Manager, Trades and Outdoor Industries
Sue Jenkins-Jones, Faculty Manager, Business, Environment Sustainability and Tourism
Leanne Bell, Faculty Manager Aboriginal and Torres Strait Island Studies
Peta Moloney, Manager Workforce Capability

Current Export Markets

India
Papua New Guinea
China
Singapore

Target Export Markets

All

Type Of Export Business Sought

Joint venture
Partnership

Certificate & Quality Approvals

Only state member for National Centre of Sustainability
ISO accreditation
AQTF compliant

Awards

Best Large Training Provider QLD 2009
National Award for Innovation 2009
Construction Registered Training Organisation of Year QLD 2008

Technologies & Capabilities Cont.

Vocational Course Areas Cont.

- Data and Communication
- Transport and Logistics
- Computer Aided Drafting
- Cookery/ Bakery
- Hospitality
- Business
- Management
- Information Technology
- Health

Post Trade/Licensing Courses:

- Riggers, Cranes, Grader, Roller, Tractor
- Plumbing Licensing
- Base Cabling
- Electrical Contracting
- Gas Fitting
- Solar Hot Water Installation
- Restricted Hot Water
- Photovoltaic Panel Installation
- Air Con Split System; Air Con Blue Card

Trade Courses:

- Construction
- Civil Construction
- Plumbing
- Engineering
- Automotive
- Electrical
- Electro-Technology
- Transport and Logistics
- Engineering
- Horticulture
- Hairdressing
- Cookery and Bakery

Company Background

TNQT is a Qld Government provider and has many years of experience in delivering Vocational Education and training. The Institute is experienced in adjusting courses to meet the needs of our clients and training can be delivered both on campus, on site or a location suitable to the client. The Institute is able to structure training delivery in a number of ways to solve business needs including face-to-face, flexible, distance, web-based or video-link.

We are happy to work with clients to identify skills sets appropriate to their needs. Training is tailored to meet local conditions, workplace cultural sensitivities and operational requirements to reduce downtime and increase occupational health and safety.

International Projects

Delivery of training to mining and other companies internationally

Australian Projects

Delivery of wide range of training products



Turner & Townsend Pty Ltd



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Turner and Townsend is a global professional services organisation that provides consultancy services to clients in the property, infrastructure and natural resources industries.

We provide a comprehensive range of management consulting expertise including Cost Management, Project & Program Management, Quantity Surveying, Procurement & Contract Services, Project Controls, PPP Consultancy, Assets & Facilities Management Consultancy and Environmental Consultancy.

With a culture of excellence and innovation, we make the difference for every client, in every commission we undertake.

Fields Of Commerce

Construction consulting advice

Target Industries

Construction – Mining, Infrastructure, Commercial, Public Sector

Specialist Areas Of Tropical Expertise

Green Star Construction Advice

Company Profile

Turner & Townsend is a wholly independent, global professional services organisation that provides consultancy, delivery, operations and program management services to clients that invest, own and operate assets.

We have the skills and capability to provide a completely integrated service that can be tailored to meet the needs of our clients, and deal with the specific challenges of the property, infrastructure and natural resources industries here in Australia and globally.

We provide a comprehensive range of construction and management consulting expertise including Cost Management, Project & Program Management, Quantity Surveying, Procurement & Contract Services, Project Controls, PPP Consultancy, Assets & Facilities Management Consultancy and Environmental Consultancy.

From our national network of offices, and supported by an extensive worldwide infrastructure of 65 offices and more than 2,400 staff, we provide services to some of the world's largest organisations, as well as local, state and federal Government here in Australia.

Our culture is a synthesis of our vision and values. It is inherent in who we are and what we stand for, and is reflected in the services we provide to our clients. We endeavour to create a work environment that reflects the values of the company and we encourage every member of our staff to embrace our commitment to be professional, quality driven, goal orientated, customer focused, continuously improving, flexible, and open & integrated.

With a culture of excellence and innovation, we have a clear commitment to use our skills, knowledge and creativity to make the difference for every client, in every commission we undertake.

Technologies & Capabilities

We have inhouse Green Star Accredited professionals with relevant costing expertise.

Company Background

Turner & Townsend Australia has offices in 8 locations with approximately 200 staff. Turner & Townsend Pty Limited operates under the parent company Turner & Townsend plc, with the global head office situated in Leeds, UK.

Global Company History – Turner & Townsend was established in 1946, in Darlington, United Kingdom: originally named Turner & Ing after founders Cornelius Turner and Francis Ing. Turner & Townsend as it is known today was re-branded in 1956, shortly after Geoff Townsend was made Senior Partner. The early days of Turner & Townsend saw the company expand across the UK quickly with 10 offices and 250



Turner & Townsend

Year Established

1946

Management Team

Shaun Muddock, Associate Director, Office Manager

Katie Gibbard, Associate Director

Julie Byrne, Cost Manager

Current Export Markets

Worldwide 29 countries

U.K.

Africa

U.S

Target Export Markets

Worldwide

Type Of Export Business Sought

Joint Venture

Partnership

Certificate & Quality Approvals

ISO:9001:2008

PQC Level 4

AIQS Best Practice

Green Star Accredited Staff

Awards

APM "Project Management Company of the Year", 2009

Queens Award for Enterprise International Trade, 2009

QS Awards, Best All Round QS, 2008

The Sunday Times, 100 Best Companies to work for, 2008

Company Background Cont.

staff by 1978. By 1982 Turner & Townsend International was established, with their first international office opening in Johannesburg, South Africa. By 1994, 5 more offices were established throughout Africa and in 1996 Turner & Townsend expanded their global footprint, today operating with 65 offices, 2,200 staff, located in 29 countries across six of the world's seven continents.

Australian Company History – The John Rawlinson Partnership was established in Perth in 1952. The practice provided cost management and quantity surveying services to the property and construction industry. Over the years businesses were set up under the Rawlinsons name in all states of Australia and in New Zealand. The Rawlinsons Group Pty Ltd was formed in 2000 combining the operations of all states in Australia with the exception of WA. Turner & Townsend Rawlinsons Pty Ltd was newly formed in September 2005, with the merge into Turner & Townsend in May 2007. The Rawlinsons office in Perth remains a separate entity.

Australian Projects in North Queensland

William Mc Cormack Place: Stage 2: Government building in Cairns 1st 6 Star : GBCA Green Star office building in regional Queensland. Turner and Townsend provided our client with Greenstar and cost management advice which helped form the initial design concepts within a tight budget. Turner and Townsend's role allowed the Queensland Government to make substantial savings on the project and our Greenstar advice helped the project achieve the 6 star Greenstar design rating. As part of our service provided:

- Greenstar assessment advice.
- Cost planning and cost option advice.
- Post contract cost management.
- Life cycle cost assessment.
- Asset register preparation.

Cairns Botanical Gardens Visitor Centre:

Cost Management services throughout the project's initial timeline from early concept design through to works starting on site. Monitoring the costs for the project development and advise on financial assurity and project design risks. Our duties include:

- Cost planning and cost option advice
- Value management and value engineering
- Green Star Advice
- Sustainability Advice

Perry Residence: Cape Tribulation

Turner & Townsend were appointed by the private Client, via Charles Wright Architects, to provide the following cost management services:

- Preparation of Cost Plans at various stages.
- Preparation of Builder's Quantities with Tender Documents
- Procurement advice to minimise risk through project delivery
- Tender review, negotiation and agreement
- Value Management and Value Engineering

Post Contract assistance where required Turner & Townsend were subsequently appointed by CBA to provide a detailed risk review and to review all project costs which included the followingservices:

- Bank Report
- Progress claim site inspections
- Final account agreement



U Plan Pty Ltd

T/AS U Plan Landscape Architecture



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Company Profile

U Plan is a multi awarding winning landscape architectural firm. Our products and expertise range from initial concept design, landscape master planning, construction plans and documents, cost estimates, approvals and project management. We specialise in mining accommodation, urban spaces and parks, commercial and resorts, recreation and play and residential subdivisions. With over 30 years experience as a registered landscape architect, Steve Moss brings a creative and practical approach to any project.

U Plan is a multi awarding winning landscape architectural firm. Our products and expertise range from initial concept design, landscape master planning, construction plans and documents, cost estimates, approvals and project management. We specialise in mining accommodation, urban spaces and parks, commercial and resorts, recreation and play and residential subdivisions.

Technologies & Capabilities

Design consultation, site inspections, identify opportunities & constraints, conceptual designs, master planning, urban design, 3D perspectives, artists illustrations, layout plans, comprehensive "for construction" plans, planting plans, planning documentation & approval, planting consultations, material pallets, agency negotiations, development & operational works approvals, project management, implementation, budgets & logistics, costing estimates, landscape manuals & guide lines, on site technical support & after construction reporting.

Fields Of Commerce

Consulting
Consultations
Project management

Target Industries

Civic facilities
Mining
Accommodation
Tourism resorts
Commercial

Specialist Areas Of Tropical Expertise

Tropical landscape design
Landscape master planning
Water and vegetation management for semi-arid and tropical climates
Water sensitive urban design



Year Established

2000

Management Team

Steve Moss, Principal
Claire Murray, Administration

Current Export Markets

United Arab Emirates
Ireland
Solomon Islands

Target Export Markets

Asia and Pacific
China

Type Of Export Business Sought

Direct export
Joint venture

Certificate & Quality Approvals

Associate of the Australian Institute of Landscape Architects
Registered Landscape Architect #1071

Awards

Australian Institute of Management (AIM)
Australian Institute of Landscape Architects (AILA)
Nursery & Garden Industry Australia (NGIA)

Company Background

Steve is the Principal of U PLAN Landscape Architecture and has over 30 years experience in landscape architectural design, master planning and construction. He has a Master of Landscape Architecture & Environmental Planning, a Bachelor of Arts (Coastal Geography) and is a Registered Landscape Architect with the Australian Institute of Landscape Architects (AILA).

Steve Moss founded U PLAN over 10 years ago, and has grown the business into an award winning and innovative landscape architectural practise that today services a range of clients and projects across regional Queensland and increasingly Australia.

Steve has developed a reputation for pioneering projects outside the realms of traditional landscape architecture and is skilled at leading multi disciplinary project teams in order to achieve the best outcomes for his client, other relevant project stakeholders and the community. He has strong and effective affiliations Australia-wide with other specialist consultants due to his depth of experience and recognized success as a Landscape Architect. He is committed to delivering professional, innovative standards of excellence on behalf of his client at all times. He relishes the challenge of landscape architectural projects that require his skills in planning, design, management, implementation and maintenance.

Australian Projects

Coastal & bushland reserves, commercial and industrial parks, resorts & island resorts, caravan parks, mining villages, community parks, memorial parks, cemeteries, streetscapes, roundabouts, sub-divisions and re-locatable home parks.



Wilko Plate (Australia) Pty Ltd



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Web www.wilkoplate.com
Address PO Box 1251
Aitkenvale, Townsville QLD 4814

Wilko Plate (Australia) Pty Ltd are a Townsville based manufacturer and supplier of two innovative construction products for use by the construction sector in cyclonic / high wind load regions.

Bondbeam Truss Strap is a quick and economical answer for connection of timber trusses and rafters to masonry block construction.

The Bondbeam Blockout Plate provides consistent depth and allows concrete to attain strength and durability to bond beam construction as well as saving time and labour costs to the bricklayer and steel fixer.

Fields Of Commerce

Manufacturing

Target Industries

Housing and Construction

Specialist Areas Of Tropical Expertise

Invention of a roof truss hold down for masonry construction in high wind load and/or cyclonic locations

Company Profile

Wilko Plate (Australia) Pty Ltd are a small Townsville based company that has designed, patented and manufactures two innovative construction products especially suited for housing and construction in areas prone to cyclones and/or high wind areas as well as low wind areas.

The Bondbeam Truss Strap and the Bondbeam Blockout Plate are both highly regarded by local businesses using the products.

Wilko Plate (Australia) manufacture these world leading products in Townsville, North Queensland. The products are made from Australian Zinalume steel. The Bondbeam Truss Strap has undergone physical testing at the JCU Cyclone Testing Station. Limit state values have been provided by the JCU-CTS.

The products are available directly from Wilko Plate or from selected suppliers throughout Central and North Queensland, Far North Queensland and the Northern Territory.

Export enquiries are welcome.

Technologies & Capabilities

Bondbeam Truss Strap is a quick and economical answer for connection of timber trusses and rafters and floor joists to masonry block walls.

The Bondbeam Truss Strap makes a difficult job easy, speeding up truss installation by at least 20% compared to a cleat and bolt system. It also provides lateral structural support.

Benefits of the Bondbeam Truss Strap include: Quicker and easier than threading cleates; max gun is easier to use than spanners; less wear and tear on drills and drill bits; less painful on our hands when drilling cleates and plates; can nail off strap before next truss is placed.

The Bondbeam Blockout Plate (also known as the 'Wilko Plate') is an absolute must for all new masonry construction buildings. The Wilko Plate offers consistent depth and allows concrete strength and durability to bond beam construction as well as saving time and labour costs to the bricklayer and steel fixer.

The plate is designed to wedge into the bottom of the "knock out" block thereby containing moisture in the beam. This allows the concrete to cure much slower therefore enhancing around 15% more strength in the concrete.

Provision for conduit is semi punched into the plates at the time of manufacture. This allows both the electricians and plumber's easy access by knocking out the holes they elect to use. (This is done prior to filling the beam with concrete). Conduit sizes are 50mm, 35mm and 25mm OD.

WILKO PLATE (AUST) PTY. LTD.

Year Established

1984

Management Team

John Wilkinson, Director
Laura Carolan, Office Manager, Supervisor,
Marketing
Kevin Smith, Production Manager

Target Export Markets

Papua New Guinea
Pacific Islands
Indonesia
Asia
Timor

Type Of Export Business Sought

Direct Export
Joint Venture

Certificate & Quality Approvals

Cyclone Testing Station, James Cook University (School of Engineering) CTS Report No: TS589. (Revision A) & TS632, TS651 & TS696.

Technology or Patent Ownership

Innovation Patent. 2003100210.

Awards

Housing Industry Association Innovation
Award (2004)

Company Background

Wilko Plate (Australia) Pty Ltd (originally Wilko Plate Company) has been in operation since 1984.

Inventor and director, John Wilkinson designed, patented and manufactures two innovative construction products suited to construction in both low and high windload, cyclonic areas.

Australian Projects

The Townsville designed, patented and manufactured Bondbeam Blockout Plates and Bondbeam Truss straps are available from suppliers throughout North Queensland, Far North Queensland and the Northern Territory.

Working Visions



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Mission Beach QLD 4852

Working Visions is a consultancy providing an extensive mix of services to the public and private sector, government, community and non-government organisations. We work with emerging “Wisdom Age” and “Knowledge Creation” tools to help organizations cope with accelerating change and greater complexity.

Fields Of Commerce

Consulting
Research
Knowledge creation within communities and business

Target Industries

Mining
Regional Industries
Governments all levels

Specialist Areas Of Tropical Expertise

Disaster communications
Sustainable Development around Communities particularly post disasters
Community visioning around developments

Company Profile

Working Visions specialises in: Sustainable Community Development and Planning • Regional Economic Development and Capacity Building • Public Participation Community Engagement and Dialogue, Facilitation • Indigenous Capacity Building, Business Planning & Employment Strategies • Organisational Development and Human Resource Management • Training, Coaching, Team Building • Business Planning and Business Continuity Planning • Media, Communications and Communications Planning • Women in Leadership.

Professional Affiliations: Member of the International Association of Public Participation (Australasia and International - IAP2) • Member of the International Association of Facilitators (IAF) • Certified Professional of the Australian Human Resources Institute (AHRI) • Accredited Professional Recruiting Consulting Services Association (RCSA) • Member of Northern Australia Economic Development Forum (NAEDF) • Member Regional Development Practitioners Network, North Queensland.

Specialist Panel Membership/Committee Membership: Working Visions has been selected, invited or has chosen to work, with the following organisations and government departments.

Executive Committee International Association Public Participation Australasia (IAP2) 2010, current • Board Director, Member Finance Audit & Risk and Insurance Committees Qld Building Services Authority, Qld Government Statutory Authority 2001-2010 • Business Consultant and Facilitator for ZING Knowledge Creation Platform Tool www.anyzing.com • Special Consul to Aegis Australia for Sustainable Development www.aegisconsulting.com.au • Partner on Telfox Pty Ltd's Indigenous Employment Panel (DEWR - Federal Government Panel) • Business Consultant for Indigenous Business Australia (IBA – Federal Government Panel) • Learning and Development Consultant for Local Government Association Qld (LGAQ)

Joint Collaborations: Director, Evolving Options Training and Development • Director, National Indigenous Training Institute
Working Visions strive to build partnerships with our clients; finding ways of working together to deliver outcome-driven solutions.

Our client base includes community groups and non-government organisations, agencies across the three levels of government, nationally recognised companies and small business. We have offices in Mission Beach and Brisbane.

Technologies & Capabilities

A new generation of “Wisdom age” tools is emerging to help organisations cope with accelerating change and greater complexity. Change is accelerating. The world is becoming more complex. Human technological development is starting to outstrip the ability of our political and corporate decision-making systems to decide what we can and should do.



Year Established

2001

Management Team

Tracey Wilson, Director

Target Export Markets

Pacific Islands
New Zealand

Type Of Export Business Sought

Direct Export

Certificate & Quality Approvals

- Master of Sustainable Development (Central Qld University - CQU)
- Professional Diploma in Human Resource Management (AHRI)
- Certificate in Public Participation (IAP2)
- Certificate in Emotion, Outrage and Public Participation (IAP2)
- Certificate IV in Workplace Training and Assessment.

Technologies & Capabilities Cont.

Organisations today are in a state of constant change as they adapt to new global realities. The ability to change, quickly and effectively, with committed and capable people, is the new strategic advantage.

Zing helps people co-create and wisely apply new knowledge.

It is a tool that makes it easy for everyone to reliably use complex thinking, relating and facilitating methods for almost any difficult issue.

How is Zing Used? Organisations use Zing to provide the environment, structure and processes necessary to help groups create new knowledge and apply that new knowledge faster. Those involved in community (however defined) use it to engage, consult, inform and converse with that community. Zing creates the opportunity to rapidly gather large volumes of ideas, information and knowledge on topics affecting the organisation or community. It can be used with groups of any size and is not limited to inside locations.

Who Uses Zing? Government departments and agencies Local Authorities, Non-Government Organisations, Development organisations, Industry, Business, Educational institutions including primary schools, secondary schools, universities

What do they use it for? Community capacity building; Community consultations and engagement; Long-term, Sustainable Planning; Preferred Futures; Organisational development; Change management; Strategic planning; Team building; Learning in teams; Planning for educational institution futures

Company Background

Tracey Wilson, Director of Working Visions, has over twenty-five years experience working with communities and organisations throughout Australia. Her varied background provides clients with a special mix of skills. Working Visions' commenced in Gladstone in 2001 and transferred offices to Mission Beach in 2005.

Clients have included Mission Australia (National, Queensland and North Qld), Rio Tinto, Comalco, local authorities, Qld government entities, a wide range of community groups and private enterprise ranging from SME's to corporate.

Australian Projects

Selected projects 2006-2011

Sail Into Work Indigenous Employment Project, federal government funded project • Cyclone Yasi rebuilding, managing strategy and communications for Building Services Authority (BSA) around rebuilding of cyclone affected region to standard • Cyclone Larry rebuilding, as above and for BSA and General Cosgrove's taskforce at Building Coordination Centre. • Mission Australia (National, Qld and Northern/Central Region), business development and organisational planning, leadership development • Cairns Chamber of Commerce, Create Leaders Symposium using Zing technology • Pacific National, Zing projects around knowledge creation and planning • Townsville City Council, Youth Action Plan, Zing projects around knowledge creation and planning (This project received Working Visions' Sustainable Communities Award for 2010) • Cassowary Coast Business Women's Network, strategic planning and leadership development.



WSP Buildings Pty Ltd



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WSP Buildings are a global engineering consultancy. Our core specialities are building services, delivering mechanical, electrical, hydraulics, fire protection and sustainability.

We specialise in audio visual, acoustics, energy efficiency, architectural lighting, fire safety, vertical transportation and security services.

Fields Of Commerce

Engineering consulting

Target Industries

Construction industry (predominantly)

Specialist Areas Of Tropical Expertise

Air conditioning design

Company Profile

WSP are recognised global industry leaders in sustainable building services design. Employing the best people across the Asia Pacific, our clients receive excellence, leadership and innovation with every project delivered.

We have a strong history of working on ground-breaking building projects that push boundaries, raise the bar and set industry trends. We've proven that sustainable building design is vital to a sustainable business platform which is why we've been chosen to work on high profile buildings across the region.

WSP's approach to integrate environmental thinking into commercial operations has been pivotal in shaping a dramatic industry move towards building greener cities in the Asia Pacific. We believe that every project can be delivered with reduced environmental impacts. And we practice what we preach – we were in the Asia Pacific to become completely climate neutral across our network of offices – and we're still 100% carbon neutral today.

Our structure is integrated and flexible which means we can deliver reliable and robust engineering outcomes that support any budget and program requirements. We understand what our clients want and we make it happen.

Technologies & Capabilities

WSP have been providing specialist, high performance design advice to clients through our Built Ecology Service for over 15 years. We are dedicated experts who partner with core services across WSP's global business, providing analysis, design and consulting advice on energy, indoor environmental quality and water issues. We firmly believe that the integration of building systems and architecture is the key to high performance outcomes for our clients.

WSP's Built Ecology Service has an incredible track record for implementing innovative and creative solutions in collaboration with our engineering colleagues. We are at the forefront of emerging enhanced natural ventilation systems including passive downdraft system design.



Year Established

1910

Management Team

Mark Hopkinson, Director & Office Manager

Type Of Export Business Sought

Partnership

Target Export Markets

Papua New Guinea

Certificate & Quality Approvals

ISO 9001 Quality Accredited

PQC Level 3

NABERS Accredited Assessors

GreenStar Professionals

Chartered Professional Engineers

Registered Professional Engineers of Queensland (RPEQ)

Technologies & Capabilities Cont.

We have developed methods for studying the operational energy performance of highly customised design solutions from thermal energy storage to radiant HVAC systems. We use and edit 3D models provided by architects to study and propose detailed natural lighting solutions. We have used computational fluid dynamics to verify the performance of highly sophisticated natural ventilation solutions. We are monitoring real energy performance on our completed projects and comparing it to design values to optimise operational energy.

We also appreciate that our clients need third party verification for their designs such as GreenStar, LEED (Leadership in Energy and Environmental Design) certification – and we understand how to get them there.

International Projects

- Natural Energy Laboratory of Hawaii Authority (NELHA), Hawaii. Hawaii's first Leadership in Energy and Environmental Design (LEED) platinum rated building and the first building in the world to use deep sea water for 100% cooling
- Newton Suites, Singapore - a multi-award winning environmentally sustainable design focused, high-rise urban residential development which boasts 130% landscape site coverage by creating vertical gardens up the building's façade

