

# FWR Group - Four Walls and a Roof

## Introduction

Four Walls and a Roof is the outcome of a four year research and development project between an environmental educator and an environmental engineer. In 2003, Michael Duggan, in partnership, established an Environmental Education, Training, and Seminar facilitation business. The business provided environmental and sustainability-based education programs, consulting, field trips and seminars. In 2005, the business was re-branded as Four Walls And A Roof: Sustainability Education, Sales and Services and in late 2008 united with O'Brien Sustainability and Environment (OS&E) to form the core of FWR Group Pty. Ltd.

FWR Group Pty Ltd (FWR) specialises in sustainability consulting and education to business and government:

- Sustainability Policy, Strategic Planning, Indicators and Reporting;
- Sustainable urban development, including planning code requirements and GreenStar reporting;
- The development and implementation of Education for Sustainability training programs and eLearning;
- Corporate Social Responsibility;
- Strategic Policy and Systems Development; and,
- The acceleration of sustainable development via the brokerage of niche energy, water, and resource efficient, technologies, and their application in the urban development sector.

## Business Overview

FWR Group provide our clients with sustainability consulting and education (EFS) services for all facets of the emerging sustainable development sector, including technology, strategic planning, sustainable business and education/training industries. We can for example, source, consult on, and manage all aspects of sustainable development, including sustainable housing and development, and we design and implement programs of EFS for local business aiming to develop a stronger Triple Bottom Line.

Our ongoing relationship to the sustainable development industry, including housing, education, community, and national/international sustainability networks, allows us to provide comprehensive solutions and initiatives, and sustainable technologies and development needs. FWR Group provides solutions for those who require sustainability and/or environmental education and training, sustainable business development, sustainable living, ethical investing, and socially conscious development solutions.

We bring a unique approach to consulting services, education/training and sales, through the provision of solutions-oriented systems designed to compliment the growing sustainability industry. We provide a 'guiding hand through the green maze' making it easy and affordable to adopt healthy and environmentally responsible initiative and options.

## Business Vision

At Four Walls and A Roof our vision is to be the company leading the way in:

- The development and implementation of initiatives and programs of Education for Sustainability;
- Accelerating sustainable development and the creation of sustainable projects, homes and communities;
- The promotion and facilitation of sustainable building practices; and,
- Increasing the uptake and inclusion of environmentally sustainable technologies across Australia.

## Business Mission

Our mission is to become Australia's leading facilitator of Education for Sustainability programs and a leading provider of sustainability consulting and related services in the emerging sustainability industry. Four Walls and A Roof acts as 'a guiding hand through the green maze' for those exploring and implementing the values and principles of sustainability.

FWR Group's Business Values include:

- A balance of Social, Economic and Environmental Sustainability;
- Social development through societal change;
- Lifelong Learning;
- Family and Community;
- Environmental stewardship; and,
- Innovation.

## Our Services

### Education for Sustainability (EFS)

FWR Group Pty Ltd is a leading provider of Education for Sustainability (EFS) curriculum, consulting services, and products for business, government, education and not-for profit institutions/organisations Australia-wide. FWR have launched and manage an eLearning, education and training facility (Virtual Classroom) through our Ecofacts Program. Please see [www.ecollect.com.au](http://www.ecollect.com.au) for more information.

### Sustainable Technologies Sales and Services

At Four Walls and A Roof we are committed to accelerating sustainable development through the building of affordable, sustainable homes; application of sustainable building practices; and, the inclusion of environmentally sustainable technologies in residential, business, and educational markets across Australia. FWR have launched and manage an eMarketing and eSeminar facility to further accelerate the uptake of sustainable options in Australia.

### Sustainable Development and Strategic Policy

Project services include the development and implementation of:

- Sustainability reporting and assessment;
- Sustainable development planning and project management;
- Climate responsive design analysis and advice;



- Energy efficiency and Smart housing options;
  - Water efficiency - reuse and demand management options;
  - Environmental Planning & Management;
  - Environmental impact assessment, reporting & development applications;
  - Environmental Planning - constraints analysis & reporting;
  - Environmental Approvals;
  - Environmental Management Plans;
- 

## The FWR Group Pty Ltd Team



Michael (Mike) Duggan  
Managing Director

Mike has presented at and facilitated numerous local, national, and international seminars/workshops in the areas of Science, Education for Sustainability, business sustainability, sustainable housing and development, including, the World Education Fellowship Forum 2004, CONASTA52 2004, Ecoshow 2006, Greenbuild and Renewable Energy Expo 2007, Greenfest 2008, Australian Green Development Forum (AGDF) Annual Forum 2008, Ecofacts Seminar Series, and ENSI International Researchers Conference 2008(Switzerland). Michael has been elected to the Australian Green Development Forum's (AGDF) Board of the Directors for 2009/2010.

In his capacity as FWR General Manager, Mike, has directed projects with such companies, projects and initiatives as: The Good Guys Retail Stores; QLD X-Ray; the Queensland Environmental Protection Agency; The Hornery Institute; Ecospecifier; SALA Homes Sustainable Homes; eHabitat Sustainable Homes; the Australian Research Institute in Education for Sustainability (ARIES); and, numerous other sustainable building, sales and education programs.

As a sustainability & environmental educator, Mike has been involved in the Environmental and General Education field since 1993 and has had the advantage of experience across a diverse range of positions within both Canada and Australia. He completed a Bachelors of Recreation and Leisure Studies (Honours in Education) in 1999, and has worked as an Outdoors and Environmental Educator and leader in Canada.

Mike completed a Masters of Teaching (Griffith University) in 2001 and has had classroom teaching experience in year 1-7, most recently employed as a year 7 primary school teacher at Boronia Heights S.S (Brisbane, QLD). He has been an active member of the Queensland and Australian Science Teachers Association and has worked in partnership with the University of Queensland's (UQ) Bright Minds project, resource development team and Primary Leaders in Science program to develop environmental and sustainability programs. He has been a member of the writing team for both Environmental Science and ICT publications developed by UQ and Education Queensland and was identified as an Outstanding Queensland Science Teacher in 2005.

Mike is currently engaged as consultant to the University of the Sunshine Coast's Regional Sustainability Research Group (RSRG). As part of his work with the RSRG, Mike is engaged in the early phases of his candidacy for a Doctor of

Philosophy (PhD) in the research area of Education for Sustainability Monitoring and Evaluation (The University of the Sunshine Coast).

Mike brings to the FWR Group team:

- A passion for Literacy/Ecoliteracy and its impact upon society's personal and community development;
- The enjoyment received from working with and for people from differing professional levels and backgrounds;
- An ambition to build an organisation working with people in professional networks, that incorporate the enjoyment received from working in schools and with educational professionals; and,
- The desire to apply his own initiative to the provision of quality sustainability strategies, resources, and initiatives through the use of education and technology as a fundamental tool to mainstream and advance awareness in the area of sustainability.

As an Educator, Mike has had the opportunity to work with students in the P – 12 and Tertiary age groups and Primary, Secondary and Tertiary-level teaching/education professionals. His experience working with these groups include:

- The coordination and presentation of a 6 part seminar series entitled 'Environmentally Sustainable Learning Centres' aimed at primary/secondary teachers, industry professionals and small to medium size enterprises;
- Conference and Seminar presentations at district, state and national level;
- Coordination of learning resources and seminars in Environmental Science and ICT's;
- Development of learning resources for primary and secondary teachers sponsored by Tertiary institutions;
- The coordination of teaching programs and initiatives between district schools and local businesses/ city Councils; and,
- Guest Lectured and managed teaching curriculum as a Course Convenor at the Tertiary Education level.

As a business leader, Mike:

- Co-Manages a multi-faceted Team of part-time and full-time consultants;
- Develops business, strategic, marketing, and financial plans;
- Coordinates the development through to implementation of successful projects;



- Coordinates and manages various project teams and staff interaction/development;
- Facilitates the strategic development of business visions, missions and goals; and,
- Develops innovative projects and initiatives in the areas of education, the environment, and sustainability.

Mike is a young and motivated individual, and through his work with Four Walls and a Roof, and his continuing role in education and development, he is committed to sustainability, and facilitating its uptake in the mainstream through the development of progressive, lifelong-learning and continued education in all areas of endeavour.



Michael O'Brien,  
Technical Director

Michael brings to the FWR Group Team his background in environmental and sustainability consulting, policy development, and strategic planning with considerable experience in providing advice, assessment, and consultation to facilitate sustainable outcomes for business and the urban development industry.

Michael is an environmental and sustainability professional with over 10 years experience in providing advice, assessment, and consultation for sustainable development. Michael's focus is twofold. First, he is interested in achieving sustainable urban development and on the ground in the development of places and spaces within our cities, through a multi-faceted approach including development of policy, environmental planning, urban design, effective management of environmental impacts, connecting people, and engaging communities. Second, he is interested in developing effective strategy and policy to assist in making sustainability happen - in business, industry, and in the community.

Michael is HIA Greensmart and AGBC Greenstar Accredited and has extensive experience in both the public and private sectors in the urban development arena, addressing key issues of sustainable development, water and air quality, flora and fauna, cultural heritage, waste management, town planning, landscape planning, and regulatory requirements under relevant environmental and planning legislation. Michael has worked with a number of State and Local Government agencies in Queensland, furthering sustainable development through identifying barriers and constraints, devising strategies and policies, coordinating partnerships, and engaging stakeholders. As a leader in his field, Michael represents the internationally recognised global sustainability group, AtKisson Inc. ([www.atkisson.com](http://www.atkisson.com)) lead by Alan AtKisson, a world renowned exponent and author in sustainability. Michael is an AtKisson Associate (for Australia/NZ).

Michael's vision is simple - "Accelerate Sustainability" - and to make the transition as easy as possible for businesses and communities.

As part of his work with FWR Group Pty Ltd, Michael offers services which include:

- Sustainability reporting & assessment;
- ESD construction options & inclusions;
- Climate responsive design analysis and advice;
- Energy efficiency & Smart housing options;
- Water efficiency - reuse and demand management options;

- Sustainability education - workshops, training and information;
- Environmental impact assessment, reporting & development applications;
- Environmental Planning - constraints analysis & reporting;
- Environmental Approvals & licence applications under Environmental Protection Act 1994; and,
- Environmental Management Plans



Luke Whistler  
Project Manager/Senior Consultant

Luke is a highly experienced Project Manager with a background in both engineering and the land development sector. His experience in sustainability is substantial - he is an accredited Ecobiz Facilitator, served on the Natural Edge Project (which contributed to the book Natural Advantage of Nations), and he is a current Board member on the Australian Green Development Forum.

Luke is Director of Globe in Mind, a Brisbane based sustainability & engineering consultancy, and was Development Manager for the EnviroDevelopment Certified PETRAC retirement and lifestyle community development, 'The Boulevards', at Redland Bay in Southeast Queensland.

Luke has also worked as a project manager and consultant on sustainable development projects in London, and brings his local experience with an international flavour to the FWR team.

Chris Tiemann  
Four Walls and A Roof, Research Assistant

Chris brings to the FWR team a background in research and project management. Chris has a Bachelor of Marine Biology and is currently studying for a Masters in Environmental Management (Sustainability) at the University of Queensland.

Chris overseas research projects for FWR Group and is leading the GreenICT Project, a joint initiative between FWR and Home Page Development.

Jaime Reed  
Four Walls and A Roof, Research Assistant

Jaime joins the FWR team to provide assistance in research, project development, and marketing/communications. With a Diploma in Journalism from Clay College, and currently studying for a BA in Geographical and Political Science, Jaime brings her enthusiasm for sustainability and practical knowledge in how to get our message out into the world.

Jaime is currently project managing the development of marketing material and promoting our newly developed Sustainable Real Estate Training package.

## Current Projects and Products

- Consultant to Brisbane City Council, to prepare and present a discussion paper on Climate Change Risk and Adaptation for Brisbane City, and to assist with Sustainability Strategy & Reporting.
- Consultant/Sustainability Coach to The Good Guys Queensland stores, National Sustainability Project, and Retailer Manual;
- Management of the Queensland Environmental Protection Agency's (EPA) Sustainable Manufactured Housing Program;
- Key Consultants and Project Team members to The Hornery Institute's Santos GLNG (Roma to Gladstone Pipeline) Sustainability and Community Wellbeing Project;
- Development and Implementation of the WATT Utilities Energy Auditing Education and Training Programs and energy audit consultants;
- Developing the Education for Sustainability (EFS) Curriculum for Brisbane's first purpose-built Centre for Community Sustainability and model for affordable, sustainable design and technology (B4C Southside Sustainability Centre);
- Coordinating and facilitating the development of the 'Ecofacts: Sustainable Small Business in Logan City program'. Business participants include, QLD X-Ray, Animal World Pet Motel, and Home Page Development/Green ICT;
- Developing and implementing a Tertiary Green Building and Lifecycle analysis curriculum for Ecospecifier;
- Co-developing and implementing the Sunshine Coast 'Science Centre for Innovation and Practice' Sustainability Curriculum Units (as Consultant to the University of the Sunshine Coast);
- Development of the Ecofacts eLearning and eMarketing Platform for business ([www.ecolect.com.au](http://www.ecolect.com.au)); and,
- Market entry, sales and marketing of niche, energy, water and resource efficient products and services.



# Past Projects and Experience

## Sustainability

- Brisbane City Council, City Planning & Sustainability. Brisbane City and Climate Change Adaptation Preliminary Risk Assessment and Discussion Paper. Review of potential risk to BCC and Brisbane from climate change, and development of Discussion paper including preliminary risk assessment and action framework (2008-2009).
- Brisbane City Council, City Planning & Sustainability. Review and technical input to development of Corporate Sustainability Report and Strategy (2008-2009).
- Redland City Council, Environment Management Unit. Review of Local Green House Action Plan -2010 (LGAP) and development of report to Council on LGAP2 (Beyond LGAP). Review of potential risk to Redlands from climate change and development of report to Council including preliminary risk assessment and framework (2007-2008).
- Brisbane City Council, Natural Environment & Sustainability. City Plan 2000 Review. Review and revise City Plan and preparation of Draft Sustainable Development Planning Scheme Policy/Guideline and Draft Sustainable Development Code. Recommendations to BCC for progressing sustainable development through planning regulation and policy, 2007.
- Brisbane City Council, Natural Environment & Sustainability. Co-preparation of Inaugural Draft BCC Sustainability Report consistent with Global Reporting Initiative requirements. 2007.
- Brisbane City Council, Neighbourhood Planning. Lutwyche Road Corridor Neighbourhood Plan sustainability visioning and implementation, community engagement and plan making, co-preparation of Neighbourhood Statutory Plan and Neighbourhood Enhancement Plan. (Brisbane's first highgrowth urban corridor Neighbourhood Plan). 2006 -2007.

## Conferences and Presentations

- Thomson Adsett Architects 2005 Design Conference – Intuition & Science. Invited facilitator and design workshop panellist.
- SEGRA 2005 – Sustainable Economic Growth in Regional Australia. National Conference, September 5-7, 2005. Yeppoon. Presentation entitled 'Towards Sustainable Communities – Are we making any progress?, The Sustainable Samford Initiative.'
- Australian Water Association Conference, Sustainable Water in the Urban Environment, August 30-31, 2004, Brisbane. Authored and Presented paper entitled 'Sustainable Water Use in Apartment Complexes.'

## Land Development and Development Assessment

- Stockland Freshwater Development, Pine Rivers: Environmental assessment and reporting, 2004.
- Ausbuild residential development, Redland: Environmental assessment and reporting, 2004.

- Ausbuild Spring Acre Masterplanned Community, Redland Shire, 2004.
  - Ausbuild Masterplanned Community, Brisbane: Environmental assessment and reporting, 2004.
  - Lensworth Kawana Waters, Sunshine Coast: Consultation and development assessment (EPA), 2002-03.
  - Pacific Harbour Golf Course Precinct, Bribie Island. ESD and development assessment, (EPA) 2002-03.
  - Coolum Industrial Estate, Sunshine Coast: Development assessment (EPA), 2003.
  - Chancellor Park Masterplanned Residential Estate: Development Assessment and planning (EPA) 2002-03.
  - Lensworth Masterplanned Industrial Parcel, Caboolture: Environmental constraints analysis, 2003.
- 

## Contact FWR Group Pty Ltd

Mail: PO Box 6599, Upper Mount Gravatt, QLD 4122

Office: Ecocentre, Griffith University, 170 Kessels Road,  
Nathan Campus, Nathan, QLD 4111

Phone: 1 300 85 11 67

E-mail: [info@fourwallsandarooof.com.au](mailto:info@fourwallsandarooof.com.au)

Web: [www.fourwallsandarooof.com.au](http://www.fourwallsandarooof.com.au)