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LIVE
WORK
PLAY
LEARN

architects
pacific environments NZ Ltd

Pacific Environments is committed to architectural design excellence in creating inspiring, 'fit for purpose' built environment solutions for our clients. Sustainability, lifestyle and the creation of enduring investment value is core to our design philosophy.



Our diverse portfolio and current workload finds us working over a raft of projects - from small to large scale, mixed budgets, renovations to new developments, across the spectrum of architectural design. We have characterised these into four categories:

LIVE residential houses, renovations, retirement villages, apartments, social housing.

WORK offices, Department of Defence, NZ Police, commercial.

PLAY restaurants, cafes, treehouses, sports, youth centres, leisure, libraries, tourism.

LEARN preschools, primary schools, intermediates and colleges.

Our team are passionate architects who genuinely love what they do, and this is clearly visible in the detail, time and left thinking they put into each individual project. Our positive, energetic and 'hands on' approach along with our focus on understanding our clients needs, means that we deliver real tailored solutions (not generic answers), in a fun-filled process.

What Pacific Environments can do for you:

- Master planning
- Urban design
- Interior design
- Feasibility studies / analysis / bulk and location studies
- Brief development
- Full design services
- Resource and building consent
- Tendering and construction
- Turn-key project delivery
- Environmentally sustainable and energy conscious design

Working with us-

We aim to give our clients everything they didn't know they wanted, and continue to achieve this by:

- Our wide range of experience and long track record
- Contemporary and heritage design styles
- Environmentally sustainable technologies
- Delivered on time and on budget



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ENVIRONMENTALLY SUSTAINABLE DESIGN

architects
pacific environments
NZ Ltd

At Pacific Environments we have developed a reputation for being leaders in the field of environmental and community focussed projects. As recognised pioneers in environmentally friendly and energy conscious design, with almost 50 years experience, Environmentally Sustainable Design (ESD) is integrated to the appropriate levels into each of our projects, and remains a core focus in our design philosophy.



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EXPERIENCE SNAPSHOT



WAIKEKE ISLAND LIBRARY

Under Construction

The Library concept incorporates simple low maintenance, low energy ESD initiatives to provide a high quality user environment together.

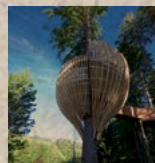


ROSKILL YOUTH ZONE

2011

Real time metering has confirmed our recently completed

Roskill Youth Zone as one of the lowest energy use buildings being monitored by Auckland Council.



YELLOW TREEHOUSE

2008

The Treehouse restaurant is built completely 'off

the grid' and constructed on low embodied energy / environmental impact materials. Prefabricated using locally sourced materials, its Ecological footprint is second to none.



MASSEY LEISURE CENTRE

1996

Winner NZ Creative Places award, Winner Enhancing

the Built Environment Award, Energywise Commercial Building Award Finalist and EECA Highly Commended Award.



EAST COAST BAYS LIBRARY

1985

Award winning library that lead ESD initiatives were more widely

before they championed.



ENVIRONMENTALLY SUSTAINABLE DESIGN *capability statement*

We are all increasingly aware of the impact building construction and building usage has on the environment. Environmentally Sustainable Design is the philosophy of designing physical objects, the built environment, and services to comply with the principles and objectives of social, economic, and ecological sustainability.

These principles in essence seek to not just eliminate negative environmental impact but provide positive environmental impact through skillful, sensitive design, while engendering a shift in behaviour and encouraging long-term relationships between user and object/service.

Wherever possible, ESD measures should be investigated early on in the design process, including the preliminary planning, as they will influence (amongst other things) site selection and utilisation, materials and finishes selection, spatial orientation (towards sun and wind), hours of operation, and optimal sizes of space.

Our philosophy behind ESD which as a label is easily misrepresented is simply good design. Good design however is not always simple to recognise or measure. Fundamentally buildings should behave passively and operate comfortably under different circumstances and climate with ideally no non renewable energy input. Generally this requires excellent day light levels to all areas, similarly natural ventilated spaces with opening windows, effective insulation, an appropriately shaded building envelope and suitable orientation to north.

Materials should be robust, low maintenance and to the highest environmental standard available.

There are various tools and frameworks available to assist clients, designers and contractors raise the bar in sustainability of the built environment.

These include;

NZGBC GREEN STAR

This is a NZ Green Building Council Design & Built tool8 that sets out a range of key criteria, which if met establish; good (4 Star), best (5 Star) and International Best Practice (6 Star) practice in terms of the environmental

performance of new and major building refurbishments. Green Star has driven incremental change in the market and by doing less harm to the environment.

Certification to 4, 5 or 6 Green Stars can be gained based on the Design and/or the Built project.

It is however not a performance evaluation tool with the Built rating ensures that, as a minimum the green design intention is built.

LIVING BUILDING CHALLENGE

This is an international program for restorative buildings and asks the question of the project team;

What if every single act of design and construction made the world a better place?

LBC is a challenging standard designed to create a step change in our buildings. Organised in seven Petal areas with twenty imperatives, it requires all twenty to be met including; net zero energy & net zero water, no toxic materials allowed and full daylight and fresh air

- LBC drives design solutions that create a fully sustainable or restorative building, landscape or neighbourhood.
- Achieving LBC certification easily meets and mostly exceeds the key guiding sustainable principles as well as encompassing a high degree of social sustainability, education and beauty.
- Performance Based Certification is permitted only after the building has been occupied for a minimum of 12 months.
- Petal certification is an option if full certification is not required or attainable. To achieve this as a minimum Net Zero Water or Net Zero Energy must be achieved.
- Living Building Challenge Certification requires 20-40% increase in construction cost and has a 12 to 20 year payback with zero water and power costs and low maintenance systems
- NET Zero Energy - costs and savings. Approximately 13 year payback at current rates.
- NET Zero Water- costs and savings. Approximately 15 years payback at current rates.





ENVIRONMENTALLY SUSTAINABLE DESIGN *capability statement*

NET ZERO ENERGY

The Net Zero Energy Program and Certification is an aspirational but less onerous Certification to drive Net Zero Energy Performance. Based on the Living Building Challenge the project must achieve some conditional imperatives from that challenge and annually produce as much energy as it consumes.

NABERS

NABERS is a rating system developed in Australia that measures the environmental performance of buildings, tenancies and homes. Put simply, NABERS measures the energy efficiency, water usage, waste management and indoor environment quality of a building or tenancy and its impact on the environment.

It does this by using measured and verified performance information, such as utility bills, and converting them into an easy to understand star rating scale from one to six stars. For example, a 6 star rating demonstrates market-leading performance, while a 1 star rating means the building or tenancy has considerable scope for improvement.

For over ten years, NABERS has helped property owners, managers and tenants in Australia to improve their sustainability performance, reaping financial benefits and building their reputation and has now been introduced in to New Zealand for use in office buildings.

- **Pacific Environments** (PENZL) are recognised as one of the leading architectural practices in New Zealand in the field of sustainability. Their philosophy is in the practical application of ESD to suit the project brief and budget.
- **Track record** PENZL have been designing buildings for over 40 years that have won environmental awards and pioneered innovative aspects of Environmentally Sustainable Design.
- **Accreditation** Within PENZL several architects including associate Dr. Hugh Byrd (PhD Environmental Architecture) are New Zealand GreenStar accredited, LEED accredited and another has extensive experience in BREEAM.
- **Renewable energy** PENZL design and have completed buildings that make extensive use of renewable energy technology and passive design techniques to reduce energy consumption. Where necessary, PENZL work closely with experienced Engineering consultants to enhance the project.
- **Experience** PENZL have experience in designing buildings that achieve BREEAM 'Excellent' rating that is equivalent to an NZ GreenStar 6 rating.

"Let every individual and institution now think and act as a responsible trustee of the earth, seeking choices in ecology, economics and ethics that will provide a sustainable future, eliminate pollution, poverty and violence, awaken the wonder of life, and foster peaceful progress in the human adventure"

- John McConnell,
Founder of International Earth Day

PACIFIC ENVIRONMENTS NZ LTD: ARCHITECTS

The Pacific Environments Architects team can be found in their new studio they have proudly designed, on the city's eclectic fringe of Eden Terrace.

We are strong believers in pushing the limits of design, developing environmentally sensitive outcomes, which we hope will act as a catalyst for the public imagination. Our aim is to preserve and enhance the environment we live in, while architecturally interacting with it for maximum harmony and human enjoyment.

Our diverse portfolio and current work load finds us working over a raft of projects in the areas that we LIVE, WORK, LEARN and PLAY. With these projects we wear many hats, from Architect, Interior Designer, Urban Designer, Master Planner, Development Consultant, to Landscape Designer and Project Manager.

Our enjoyment comes from working through unique and often complex design challenges and delivering innovative and exciting pragmatic outcomes. Our positive, energetic and hands on approach, along with our focus on understanding your needs, means that we deliver real tailored solutions -not generic answers, in a fun-filled process. We draw upon our unique and beautiful local environment in the Pacific as our inspiration.

With our technical and creative skills and can-do attitude, we continue playing significant roles and influence New Zealand architecture and its place in the world.



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URBAN DESIGN & MASTERPLANNING

capability statement



At Pacific Environments NZ Ltd, our qualified urban designers work with developers, local government, government agencies, and private land owners.

We deliver sustainable, creative, practical and economically feasible design solutions that create quality built spaces.



OUR APPROACH

Our ability to design and visualise brings a point of difference—after gathering, analysing and rationalising the relevant information, we can use it to inform a design that creates urban space with a purpose, in a way that facilitates vibrant life, and is attractive to people.

We see Urban Design as neither Landscape Architecture, Planning, nor Architecture in isolation, but encompassing and building on these disciplines as a professional area in its own right. It is concerned with the physical effect of one or more buildings on the environment, and the way collective building edges relate to, and form, spaces that are used by people.

Masterplanning is the efficient placement of more than one building in relationship to another, good masterplanning creates good urban design. We form sound urban design principles based on research, method, economic & development feasibility then applies these principles to the masterplanning, this ensures positive outcomes based on justifiable rationale.

At Pacific Environments NZ Ltd, Urban Design is another part of our multidisciplinary practice, and available as a standalone service to work with other professional practices.

URBAN DESIGN & MASTER PLANNING

- Urban design analysis and advice
- Urban design reports, council liaison, and Urban Design Panel representation
- Development bulk and location design and site testing

KEY STAFF



URBAN DESIGN:

Grant Neill

Grant is a director at Pacific Environments NZ Ltd. He is a

Registered Architect with over 20 years experience, a member of the NZIA and has a First Class Honors Degree in Urban Design. As well as specializing in Urban Design, Grant has experience in site master-planning and contextual site analysis.

Recent projects include urban design and master-planning for multi-unit social housing developments.



MASTERPLANNING:

Peter Eising

Peter is a director of Pacific Environments NZ Ltd. He has

extensive experience in the masterplanning of multi-unit developments, retirement villages, and tourist resort developments.



"The best way to predict the future is to design it"

— Buckminster Fuller



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