

**STARFISH TEAM BIO**



## 1. ARCHITECTURE:

- HUTANA DESIGN
- GMC ARCHITECTS
- CREATIVE NATIVE
- BBE ARCHITECTS

### Hutana Design Ltd

#### **Steve Hutana**

M.Arc, NZIA, Nga Aho

#### **Director**

Ngāti Porou.

Hutana Design Ltd was established in 2007. Specialising in south pacific contemporary architecture. The practice seeks to assist in the reviving of cultural identity through commercial architecture within urban environments. With a focus on integrating matauranga Māori concepts.

**ROLE:** Architect, Focus on ALL design elements and Maori cultural connections.

### GMC Architects Ltd

#### **George Clarke**

Registered Architect . B Arch ANZIA Nga Aho

#### **Director**

Te Rarawa, Te Aupōuri, Ngāpuhi and Ngāti Porou.

During a career spanning 25 years in private practice, George formed GMC Architects Ltd. GMC Architects Ltd specialise in commercial design, master planning, design development and contract documentation. They have completed significant educational facilities, medical and health projects, hospitality and tourism projects, commercial buildings and interiors, industrial buildings, and local government projects.

**ROLE:** Architect, Focus on ALL design elements and Maori cultural connections.

Creative Native Ltd

**Waikere Komene**

M.Arc, B.AS, NZIA, Nga Aho

**Director**

Nga Puhi and Ngati Kahungunu

Waikere Komene has had over 10 years' experience working on projects that reflect who we are and how we see ourselves. The Director of Creative Native and a young Maori Architect Consultant, his passion is to work alongside communities and organisations, developing projects which embrace community objectives, cultural aspirations, education, youth and sustainable design through architecture, innovation and the creative arts.

**ROLE:** Architect / Presentation, Focus on ALL design elements and Maori cultural connections.

**Martin Leung-Wai**

M.Arc, B.AS, NZIA, Nga Aho

**Director**

Samoan / Chinese

Martin has been involved with many initiatives for over 10 years which empower and engage with the community such as The Roots South Pacific architecture with youth, Otara network community with Glenn Family Foundation projects, Garden of Avondale, St Peter Chanel Clover Park History production team, Glen Innes community with the first Zumba Fitness class and the Glen Innes Music & Arts Centre. From these initiatives, Martin has gained positive relationships with all community members.

**ROLE:** Architect / Presentation, Focus on ALL design elements and Maori cultural connections.

BBE Architects Ltd

**Alexander Greig**

Registered Architect, NZIA, dip BBE

**ROLE:** Architect

Director of the Building Biology and Ecology Institute (BBE) and bbe architects practising for the last 20 years in New Zealand. Born in New Zealand he has also lived in Canada and Peru. His solar design skills started during his Architectural training in Canada. This evolved into a commitment and passion for total eco/healthy holistic design thus logically becoming director of the New Zealand branch of the International Building Biology and Ecology Institute representing the most holistic, all-encompassing approach to healthier building.

## 2. CULTURAL ADVISOR:

### **Bradford Haami**

**ROLE:** Cultural Advisor

Bradford Haami is a published writer with added experience in the television and film world. His passion for storytelling and expertise in Māori culture has seen him produce exploratory works on Mataranga Maori, Maori history and in particular in Maori biography. He has also written for critically acclaimed television productions and has acted as a consultant to numerous local and international drama, documentary and feature films over the past two decades. “My interest in storytelling is primarily based on the 'power of the story' – whether in an oral form, a written form, a documentary or as a cinematic film – to convey a message that will stimulate conversation and ultimately transform hearts, minds and communities.” – Bradford Haami

## 3. ENGINEERING SERVICES:

### **David Fullbrook**

**ROLE:** Building Services and Sustainability Director

A multi-disciplinary building services engineer and sustainability specialist for over 30 years, David is the founder, principal shareholder and managing director of eCubed Building Workshop. He previously worked throughout the world and held principal/board positions with major engineering and architectural consultancies including Arup and Connell Wagner in Australasia, Asia, Europe, the Middle East and Africa. He has a particular interest in sustainability and is the leading proponent of this approach for commercial institutional, public and residential buildings in New Zealand.

He has collaborated with most of the leading and emerging architectural design practices in New Zealand and has been responsible for the design of many significant and award winning sustainable buildings. He is also a key advisor to the New Zealand Government on sustainability and has authored and presented a number of influential papers in this area. He is an honorary member of the NZIA and received a NZIA Presidents Award for services to NZ architecture in 2012. He is a member of the Technical Advisory Group for Auckland Waterfront providing strategic advice on sustainability matters.

### **Pete Walker**

**ROLE:** Engineering Consultant

Pete Walker is the BRE Trust Professor and Director of the BRE Centre for Innovative Construction Materials and current Head of Civil Engineering. His

research interests include renewable materials (prefabricated straw bale; hemp-lime), modern earth building, lime mortared masonry and innovative timber engineering.(= CLT). Pete Walker is a chartered civil engineer and a member of both the Institution of Engineers Australia and The Institution of Civil Engineers (UK).

Covering a number of construction materials, my research work is centred on the development of low carbon technologies suitable for new and retrofitting applications. My original research work focussed on structural masonry (prestressed brickwork (PhD), masonry arch bridges, dry-stone walling), but whilst working in Zimbabwe (1989-1993) and Australia (1994-1997) expanded to include earth building (compressed earth blocks, rammed earth). Since working at Bath I have also led research projects developing straw bale construction, hemp-lime construction, and innovative timber engineering. My research work initially centred on physical, mechanical and structural characterisation, but has developed to include work on micro-structural analysis, heat and moisture transfer in porous materials, life-cycle appraisal, and environmental monitoring and testing.

#### 4. LANDSCAPE ARCHITECTURE:

##### Natural Habitats

###### **Debbie Tikao**

B.LA, D.LD, Registered NZILA Landscape Architect

Principal

With a reputation for combining cultural values, research and practice, Debbie brings a very considered, holistic approach to her projects. She was approached to speak at the recent NZ Parks and Recreation Conference, has published articles in leading landscape journals, is involved with the Landscape Architecture advisory panel at Unitec, has an understanding of Maori values and tikanga, and has had extensive experience in community and stakeholder consultation.

**ROLE:** Landscape Design, Focus on ALL design elements and Maori cultural connections.

###### **Josephine Clarke:**

B.LA, NZILA, Māori Landscape Architect

Te Rarawa, Te Aupōuri, Ngāpuhi and Ngāti Porou.

Josephine Clarke has a passion for the strengthening of Māori Tikanga within the industry of Landscape Architecture. Therefore bringing forth ideas and concepts of design which seek to understand Māori's relationship to the environment, and in turn provide a pathway to bridge the gap. This form of engagement was an integral part when she took on her undergraduate dissertation; designing with cultural integrity.

**ROLE:** Landscape Design, Focus on ALL design elements and Maori cultural connections.

## 5. ECO/ENVIRONMENTAL DESIGN:

### Building Biology and Ecology Institute and bee Architects



The Institute Building Biology and Ecology Institute educates on how buildings affect the health of people and the environment, and ways of building healthier and more sustainable homes. It promotes the Principles of Ecological Building & Design with publications, workshops and courses, seminars and research. The Architects design buildings and works on building communities around the country. The practice philosophy is based on the building biology and ecology Institute's Principles of Ecological Building and Design. The building biology and ecology Institute established in Germany in 1960's. Visit [www.ecoprojects.co.nz](http://www.ecoprojects.co.nz) and [www.bbearchitects.com](http://www.bbearchitects.com)

#### **Ashley Holwell**

Facilitative Design

With a Bachelor of Industrial Design from Massey Wellington, a Master of Art & Science from the University of Applied Arts Vienna, and research experience in urban culture, energy design and material flows, Ashley's focus is in the interface of flows immersed in objects and society.

studio~bread

**ROLE:** Metabolic and Material Design

### Vicus Design Group

Vicus Design Group is a wholly unique design and build company in New Zealand offering high quality design and build solutions utilising the concepts of the Passive House Standard to deliver well-designed, highly performing buildings.

Vicus Design Group also uses factory-based pre-fabrication systems to deliver high quality buildings in very short timeframes.

#### **Glenn Murdoch:**

Designer and Innovator

Glenn is a Certified Passive House Consultant through the Passive House Institute in Darmstadt, Germany. He is an experienced practitioner of energy-efficient design in New Zealand and is currently working in the Christchurch area on the post-earthquake rebuild.

**ROLE:** Key Christchurch Contact

#### **Kenneth Bringzen**

Master of fine arts in Industrial design  
KONSTFACKSOLAN, University College of Arts, Crafts and Design Sweden  
Epsilon Emeritus, consulting designer, [www.epsilon.nu](http://www.epsilon.nu)  
Experience in industrial design, interior design  
A diverse portfolio including lecturing in design, design of surgical instruments and industrial environment, interior furniture, and lighting design, and specialised design for elderly.

Recent projects include:  
Design consultancy for IKEA  
Research and production of walking support for physically disabled, presented at the 13th International conference on thinking, Norrköping Sweden  
Innovative concepts for NORDIFA AB, Helmsted Sweden

**ROLE:** Product designer

## 6. PLANNING:

### Starfish



#### **Dave Smith**

Solution developer and conceptualist

Dave uses his creative and pragmatic approach to bring together people, product, and process in the development of genuine solutions that meet a wide range of stakeholder needs. Recent examples include:

The development of the RSE Scheme via an all of Government Research Grant 'The Pure Business Project' - winner of the IPANZ Award 2011

Developing the 'Future Strategy' for New Zealand's largest rural services company.

Developing the World's 1st Location based mobile audio guide 'MIVIS' and associated visual recognition technologies.

Current focus covers Housing, Health and Education Technologies, continuing the development of the Starfish Project.

**ROLE:** Project Manager

#### **Carley Jones**

Registered Psychiatric Nurse and mixed media Artist / designer.

Brings a strong focus on resiliency and holistic wellness having worked in a wide variety of health settings inclusive of setting up person centred contracts for people with high and complex needs in their community of choice. A

visionary approach mixed with strong pragmatic project management skills mean that idealism and detail are aligned.

### Ecosolutions

#### **David Bryce**

Planner: Liaison with Christchurch City Council

**ROLE:** To develop and gain approval of all Resource Consent.

## **7. DEVELOPMENT:**

### Tareeda Properties



#### **John Callanan**

Managing Director, Australia

<http://tareeda.com.au/>

John Callanan is the founder of the Tareeda Properties Group. With over 3 decades of international real estate and property experience, John has developed great insight into property trends. His hands-on, practical approach has enabled him to build a privately funded and diverse property development portfolio.

Tareeda Properties is a leading property development company established in 1982. Tareeda Properties' core business is land development throughout Victoria, New South Wales and Queensland.

Recognized by numerous awards for environmental awareness and energy efficiency, Tareeda Properties is acknowledged as a land developer that cares for the environment.

Over the past years Tareeda Properties have expanded its business interests offering beach front holiday accommodation, self-storage, and aviation. Our team supports many charities and community groups.

Tareeda have won awards for environmental care and protection.

The Banksia Environmental Award for 'Urban Ecology'. The Banksia Environmental Awards are regarded as the most prestigious environmental awards in Australia.

The E.P.A. Clean Water Award in the category of 'Industry and Commerce'. The Environment Protection Authority is a statutory body established under an Act of the Victorian Parliament in response to community concern about pollution.



The Energy Victoria Energy and Housing Award in recognition for outstanding achievement for an energy efficient residential development.

The Land for Wildlife Award for Voluntary Wildlife Conservation

**Role:** Property Developer



### 3R Group Ltd

#### **Graeme Norton**

Executive Director

[www.3r.co.nz](http://www.3r.co.nz)

Graeme's business background is banking, business improvement, recycling and sustainability. His professional interests are in enabling sustainable supply/value chains and stitching together coalitions to achieve them.

Graeme joined the EXCO of New Zealand Business Council for Sustainable Development (NZBCSD) in 2008 and is currently Deputy Chair of Sustainable Business Council (SBC, formerly NZBCSD) and chairs its flagship Vision 2050 for New Zealand project. He has also been SBC's delegate to World Business Council for Sustainable Development (WBCSD) annual meetings since 2010 and is a member of WBCSD's working group on Sustainable Consumption and Value Chains.

Graeme also currently chairs the Advisory Group to the NZ Life Cycle Management Centre, a partnership initiative between Massey University, AgResearch, Landcare Research, Plant and Food Research, and Scion; NZLCM's aim is to build capability for Life Cycle Management (LCM) in New Zealand through education, training, and research.

In his home province of Hawke's Bay he is on the local district health board's advisory committee for community and public health (CPHAC) and chairs the region's Diabetes Leadership Team, a mix of consumers and health professionals.

**ROLE:** Incorporation of its innovations into the build (e.g. PaintCrete) and, more generally, sourcing waste materials into beneficial outcomes within the build. Abilities around enabling sustainable value chains by ensuring collaborative coalitions.

## 8. ASSOCIATE PARTNERS:

The consortium has been established in a manner that encourages participation locally and internationally as is best for the greater good. While the stage one team covers many aspects of the entire project we remain committed to maximising inclusiveness of the project from design to construction and its ongoing life as an environment. To that we will look further to establish relationships with community groups representing a diverse demographic.

Because of the consortium's cooperative, inclusive approach and an emerging structure and function based on ethical, sustainable and values based economies, we are confident that we can achieve partnerships that are respectful of, and value the individual and community diversity contained within the key population area and extend this to nourish the growth of further opportunities and human endeavour.

- **Brad Haami**  
**Kaumatua**  
Ngati Awa
- **Dave Jordan**  
**The Hempfarm**  
Providing the only supply of commercial Hemp available in NZ.
- **Adrian Clarke**  
Engineer  
Australian based developer of the Hemp Harvester and Processor
- **David Bryce**  
**Ecosolutions**  
Planner
- **Robin Jack**  
**Xlam NZ Ltd**  
CLT Solutions, Cross laminated timber
- **Paul Dephoff**  
**Woven Bamboo Enterprises**
- **Dominic Ryan**  
**Pacific Green**  
Palmwood supply Fiji
- **Guido Loeffler**  
**Purity Homes**  
Hempcrete Specialist
- **Kim Pickering**  
School of Engineering, Faculty of Science and Engineering, University of Waikato.  
Kim is leading research into advanced use of natural fibres.
- **Onyx Solar**  
BIPV's Coloured glass PV's