Presentation to
European Network for Lightweight Applications
25 November 2015
Gorinchem, The Netherlands

MC²
commercial vessels

Presentation Outline

1. Our Group: Four decades of delivering performance
2. Our capabilities - Tomorrow's technology today
3. Our specialist composite project track record
4. Our Facilities: China, Australia, New Zealand

1. McConaghy Group: Four decades of delivering performance

- Originated in Australia at the forefront of composite applications;
- Combined with a competitive cost structure and highly-skilled manufacturing base in China;
- Backed by the technical expertise of McConaghy's New Zealand design office;
- Strengthened by the financial and strategic contributions of Tiger Group Investments.

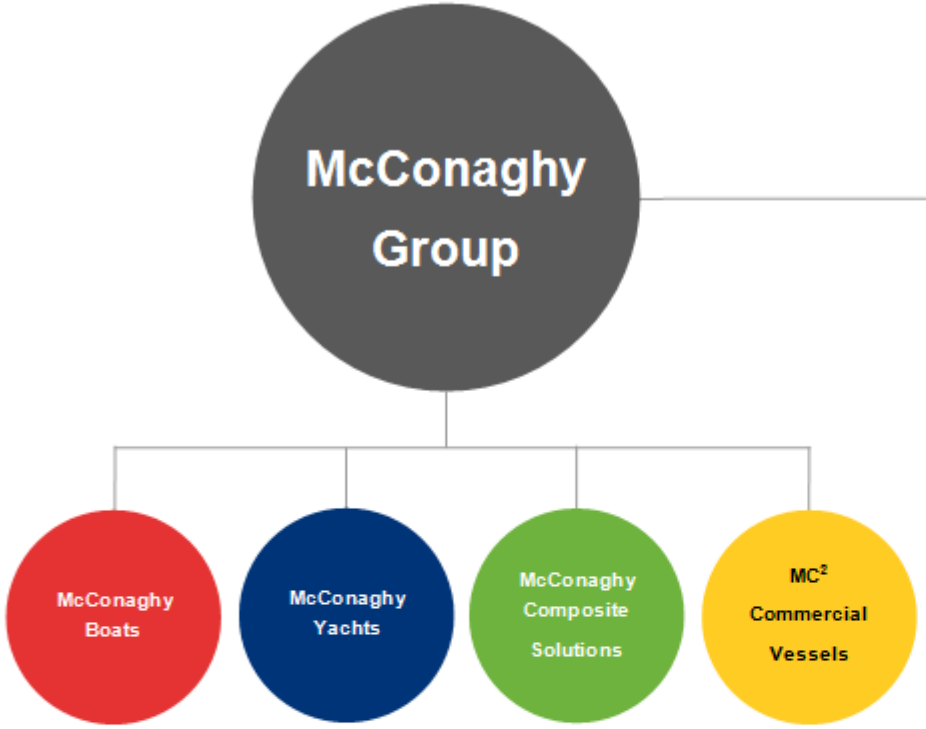

McCONAGHY

Introduction to the McConaghy Group

Since 1967, McConaghy has been providing innovative and complex composite solutions for a range of industries including Architectural, Defence, Transport, High-Performance Marine, and Resources.

With facilities in Sydney, Australia and China, McConaghy use a combination of the latest technology and generations of expertise to provide solutions to problems that challenge convention in other industries.

Our Mission: Create the best composite shop on the planet and bring the overwhelming advantages of composites to a wide range of applications with cost effectiveness, high quality, precision, and innovation in materials, design, prototyping, production runs, and custom work.



Established in 1967, cutting edge composite yacht construction, diversified range of builds, from Foiling Moths to 100' Grand Prix race yachts.

In 2013 McConaghy Yachts was established as a dedicated division to expand our position in the superyacht sector.

Since 1990 we have been supplying composite solutions to a range of industries, including aviation, offshore oil and gas, defence, transport, resources and architectural sectors.

Established in 2014 to provide solutions to the Naval and Commercial sectors.

The resources and contacts od the Tiger Group have proven a significant advantage in establishing this new business.

- Respected Brand
- 47 years of Composite Building
- Highly cost competitive
- Advanced Composite Knowledge
- Research & Development

Tiger Group Investments

In early 2014, Tiger Group Investments and McConaghy joined forces, and Tiger Group Investments became a 50% owner of McConaghy Group.

Tiger Group Investments is a private investment firm focusing exclusively on the maritime sector. With a proven record of creating value in their businesses through the cycles, taking advantage of financing and capital markets to maximize shareholder returns, Tiger Group seeks to extend their reputation as a value-driven and solution oriented leading market participant.

Tiger's strength as a ship operator is it's unique commitment to technical, commercial, crewing, and new build supervision services delivered to Tiger's fleet and third party clients.

The company has been recognised as both a financial innovator and developer of advanced ship designs offering unique benefits to charterers.

Tiger Group owns and manages 158 vessels

CONTAINERSHIPS

108 Vessels
797,100 TEU

DRY BULK

32 Vessels
3,242,720dwt

TANKERS

8 Vessels
946,721dwt

OFFSHORE

10 Vessels
135,400 BHP

2. Our capabilities – Tomorrow's technology today

Innovative production methodologies and advanced composite knowledge have been in the DNA of McConaghy since the beginning.

Our commitment is to bring the overwhelming benefits of composites to our clients in the following areas:

- **High Strength** - Composite materials can be designed to meet the specific strength required, and therefore custom tailored the mechanical & physical properties of a structure.
- **Lightweight** - composites are used to produce the highest strength-to-weight ratio structures known to man.
- **Corrosion Resistance** - Composites provide long-term resistance to severe chemical & temperature environments.
- **Design Flexibility** - Composites have an advantage over other materials because they can be moulded into complex shapes at relatively low cost.
- **Durability** - Composite structures have a exceedingly long life span and exceptional fatigue properties, coupled with low maintenance requirements.

141-ft Adastra trimaran built at McConaghy's Zhuhai factory

The Pioneer Mk3 hovercraft built at the China factory has capacity of 25 passengers or 2.5 tonnes payload + 1 crew. The air-conditioned cabin provides comfortable seating and good visibility for the passengers and crew. The Pioneer Mk3 is powered by two Steyr diesel engines of 190kW each and will cruise comfortably at 25 to 30 knots with higher speed on demand.

3. Our specialist composite project track record

Since our 1967 start in the marine sector in Sydney, McConaghy has been a successful innovator in both race yachts and the broader composite industry, leading the way in the research and application of new materials and technologies.

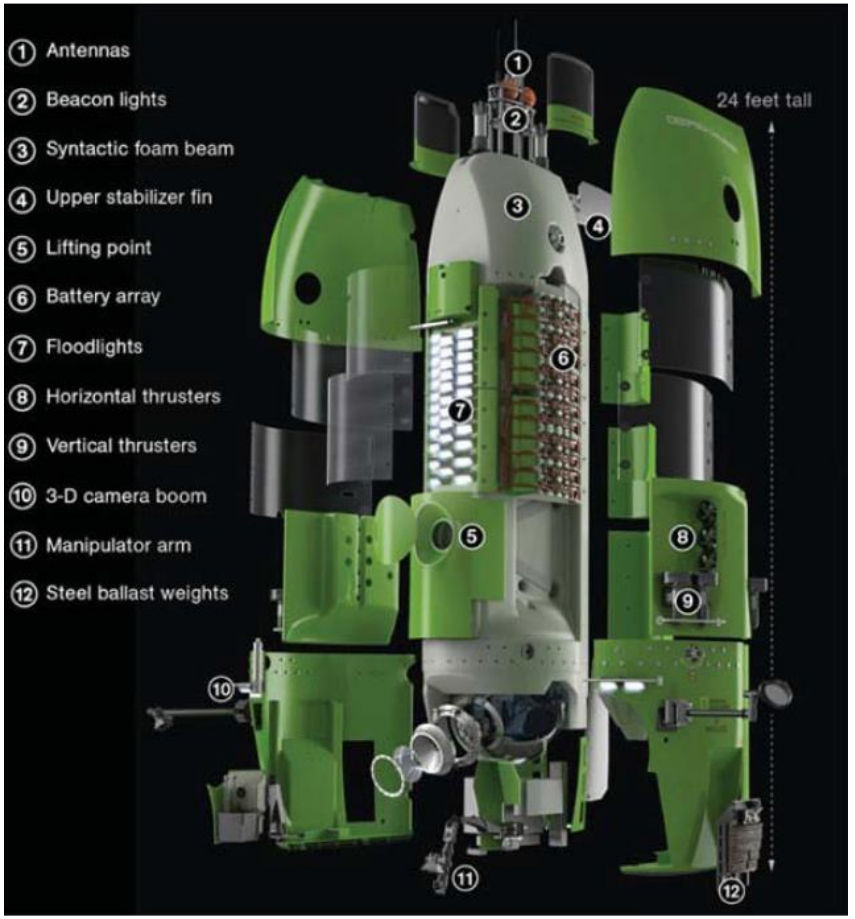
In addition to decades of work in the demanding environmental conditions of the marine sector, McConaghy has also extensive experience in the land-based and architectural sector

The following pages outline our proven track record in the Architectural, Defence, Marine, Transport, and Natural Resources sectors.

Deepsea Challenger submarine

McConaghy built 94% of the composite components for the Deepsea Challenger, which movie director James Cameron navigated 11 kilometres deep to the bottom of the Mariana Trench.

"It's safe to say we couldn't have done this without the McConaghy team," said movie director James Cameron, acknowledging McConaghy Group's key role in this remarkable project.



Train Evacuation Ramps

In 2004 Train builder Goninan (UGL) approached McConaghy's with their design brief. They required an emergency evacuation ramp that could deployed to four metres in length within a certain time frame, be able to carry a tonne of weight, and when stored be small enough to fit in a suit case, yet be light enough to be easily lifted and moved.

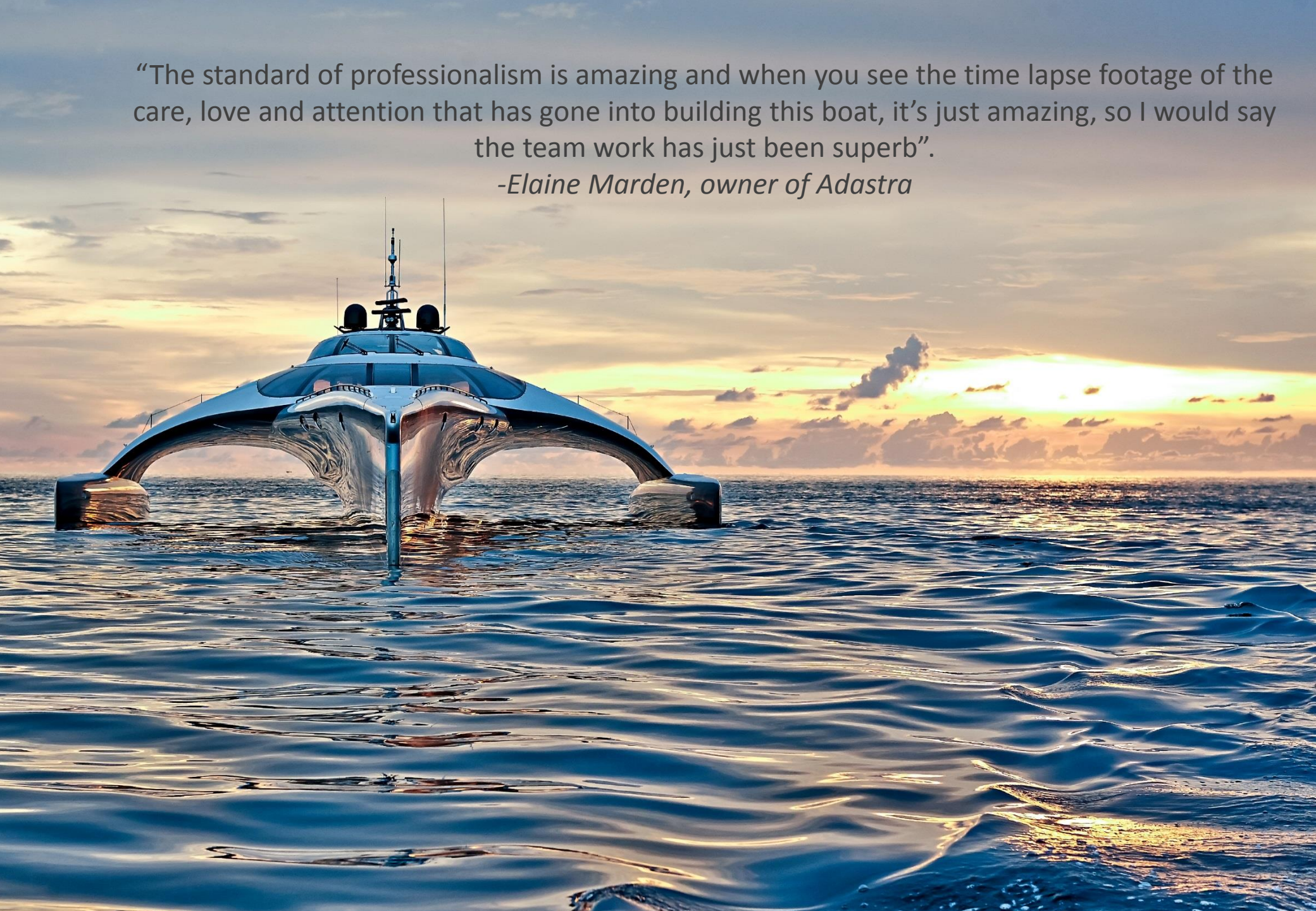
Esimit Europa 2 (formerly Alfa Romeo) is one of the fastest and most technologically advanced sailing yachts in the world with a maximum speed over 38 knots. She has taken line honours in every race entered.

Design and Construction of GRP Radome at Kai Tak Cruise Terminal

“We found the team eager to embrace the challenges of this unusual project and the final outcome, recently installed on site, looks set to be a new landmark on Hong Kong's harbour.”

“We would not hesitate to recommend McConaghy for projects of a similar nature, and indeed look forward to working with them ourselves should we identify future opportunities requiring such expertise.”

BMT Asia Pacific Limited
Richard D Colwill
Managing Director



"The standard of professionalism is amazing and when you see the time lapse footage of the care, love and attention that has gone into building this boat, it's just amazing, so I would say the team work has just been superb".

-Elaine Marden, owner of Adastra

MC2 has built and rebuilt Wild Oats, the eight time winner of the Sydney Hobart Race, one of the most demanding races on the planet.

4. Facilities

McConaghy was founded in Australia, is now headquartered in Hong Kong, has a decade of experience building in China and opened a New Zealand engineering office in 2014.

Our China factory enjoys multiple benefits from its location in the South China shipbuilding hub, close to Hong Kong. Key advantages include scale, costs, skilled disciplined labour, high transport connectivity and access to lower cost supplies.

The foundation of our results is that the company is a 100% foreign-owned enterprise. This means that we have full control and ownership of our own facility, which we run to the same standards as our Sydney facility.

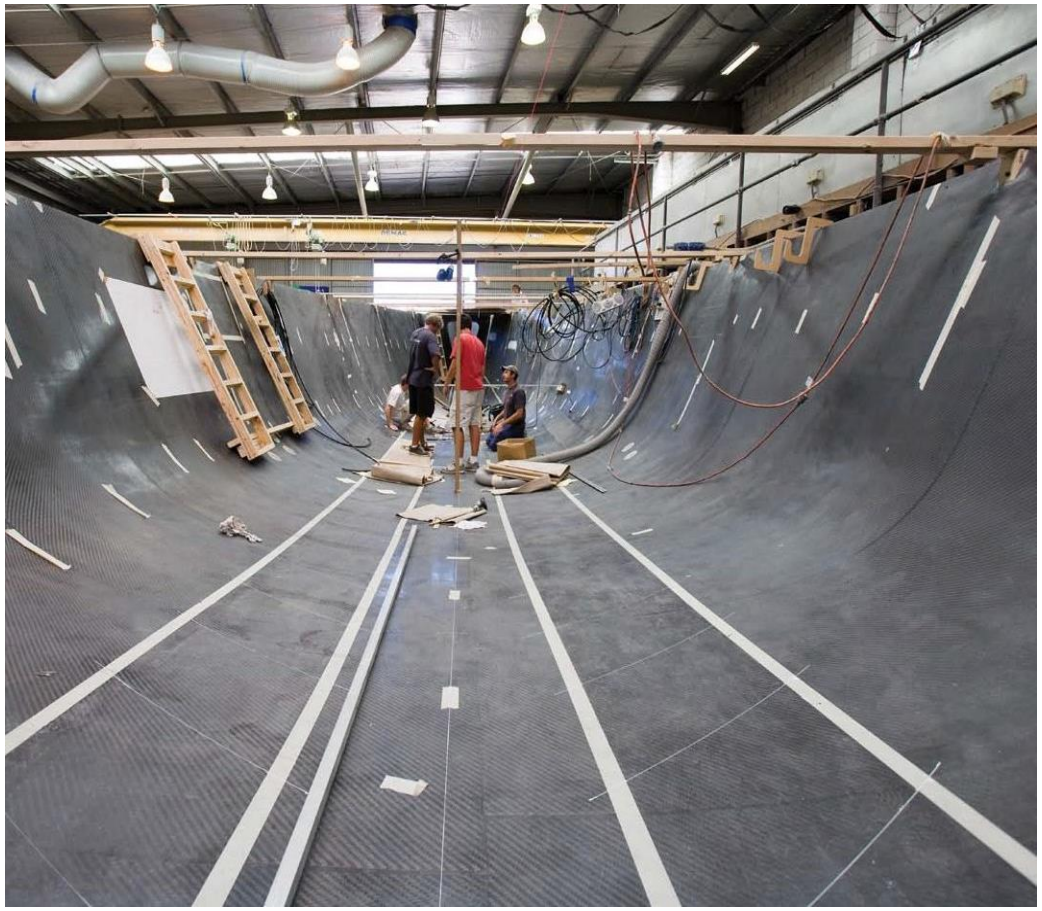
50% shareholder Tiger Group is building some of the world's most advanced containerships in China and now MC^2 is now applying that same strategy to composite opportunities in commerical and other applications.

World Class Facility in China

In 2006 the company expanded and opened a 2,500 square meter facility in China which has since grown to 7,500m² and equipped with the latest machinery.

- Temperature controlled construction bays for component manufacture and assembly
- Robotic arms capable of machining large plugs and moulds
- Two computer controlled autoclaves
- Hydraulic Composite Panel Press
- Fiber cutting table
- CNC Router and mills for production mould, including aluminium tooling
- Non destructive testing

McConaghy Assurance Program



The McConaghy Assurance Program (MAP) is an organisational quality and effectiveness initiative that powerfully aligns our people, processes and physical factory with our purpose of being the best composite factory on the planet.

McConaghy's workforce operates to a "6S" quality system.

The "6S" methodology (Sort, Streamline, Shine, Standardise, Sustain, and Safety) represents a common working practice for work station logic and neatness, standardization of process, development of staff, and safety for all involved.

Sydney, Australia

Our historical home base is Sydney, Australia.

Our highly experienced teams are specialised in the design, manufacture or repair, and installation of large composite material structures, using a wide range of techniques and materials.

McConaghy's Sydney base is well known and respected worldwide for crafting reliable high performance sailing yachts such as Wild Oats XI and also for delivering many exceptional projects, such as James Cameron's exploration submersible or America's Cup yacht equipment, while always keeping at the forefront of innovation and research.

Over the years we have expanded to other industries, and we count amongst our end customers many organisations with the highest quality control requirements.

Engineering office, New Zealand

The New Zealand design team is headed by the highly regarded and experienced team that has been responsible for the design, engineering and construction of some of the world's most celebrated superyachts.

Notably the team has extensive experience building to international safety rules and standards. Our New Zealand office has a well deserved reputation for innovation and high standards in the superyacht sector.

The addition of the New Zealand office brings:

1. Experience in complex project management.
2. Systems engineering and electrical expertise.
3. High level of design alignment with McConaghy's production practices
4. Support for the development of the Chinese design capability.
5. Robotic knowledge providing technical support for the factory-floor CNC machines.

MC²

commercial vessels

MC2 Commercial Vessels
c/o 1401 Jardine House
1 Connaught Place
Central, Hong Kong
Email: mc2composites@mc2composites.com
+(852) 2160-5100
www.mc2commercialvessels.com