

ETNZ – Closest America’s Cup in history

Emirates Team New Zealand narrowly lost 9-8 to Oracle Team USA in the America’s Cup regatta in September on San Francisco Bay. After starting well and leading 8-1 they were unable to hold off a rapidly improving OTUSA. PURE were an integral part of the ETNZ team, and the ETNZ programme set the standard for reliability. PURE are very proud to have played a major role in this.

PURE was a vital part of the development team, and provided composite engineering, mechanical design, FEA analysis, 3D modelling, and draughting to the ETNZ campaign over a 3 year period.



Class 40’s – Two new boats making impact in Class 40 fleet

Two new Class 40’s, from the Botin and Humphreys offices, were launched mid-2013. The first race for both yachts was the 2013 Fastnet, with the yachts finishing 2nd and 3rd in a very strong 19 boat fleet.

The next major outing for the pair was the 2013 Transat Jacques Vabre, a 5400 nm race from Le Havre, France to Itajai, Brazil. The Botin Partners Tales 2 finished 2nd, only 3hrs behind the winner. A technical stop early in the race likely cost them the victory. The Humphreys designed Vaquita finished a strong 8th place in the 26 boat fleet, after having some difficulty negotiating the doldrums.

Of the 26 boats in the fleet only two yachts, Tales 2 and Vaquita, hit both minimum weight and maximum righting moment. A testament to their careful build and engineering by PURE and another step forward from the successful Kiwi40’s.

PURE worked closely with the designers and engineered the composite structure and steel fins, and supplied full detailed construction drawings for both these projects.

Vaquita: Designer - Humphreys Yacht Design, Builder – Ocean Tec, Construction - E-glass, foam, infused.

Tales II: Designer – Botin Partners, Builder - Longitud Cero, Construction - E-Glass, foam, vacuum bagged.



Azuree 46 Performance cruising yacht revealed at Cannes Boat Show

The Azuree 46 is the flagship in Sirena Marine’s Azuree performance cruiser range. This production yacht has been built by Turkey’s Sirena Marine and designed by Humphreys Yacht Design. The yacht features E-glass and foam construction with a mix of moulded grid-liner and laminated floors. PURE provided full composite engineering and metal keel engineering and supplied a full set of construction drawings, all engineered to ISO 12215-5.



STOP PRESS

“Crossing the finish line in Rodney Bay Saint Lucia this morning at 10:10:10 UTC (06:10:10 Local time) Max Klink’s Knierim 65 Caro has earned its place in the history books, smashing the ARC course record by 08 hours 07 minutes and 20 seconds.”

Caro is a spacious 65’ Botin Partners designed lifting keel fast cruising yacht, built in carbon prepreg and foam core. It has the interior volume required for cruising comfort, and the performance of a true racer. PURE provided the full composite engineering and detailed construction drawings. A sister-ship is about to begin construction.

Beau Geste Launched in Auckland

The latest Beau Geste hit the water mid-November in Auckland. After a rapid 5 month build at Cookson Boats the Botin Partners 80’ race yacht spent three weeks in Auckland before departing for Sydney to complete in its first race, the 2013 Sydney Hobart Classic.

Beau Geste is a significant development step from the Volvo 70’s and Open60’s, with canting keel, twin daggerboards, twin rudders, and a very low displacement. Construction is prepreg carbon fibre and Nomex Honeycomb.

PURE provided the full composite engineering package with extensive FEA studies and a comprehensive set of detailed construction drawing.



ABOUT PURE:

PURE DESIGN & ENGINEERING specialises in the structural design of composite yachts. The founding partners Giovanni Belgrano, Andy Kensington, and Adam Greenwood together have over 70 yrs combined experience in the design of composite structures. PURE have a team of five engineers, and three draughtsmen. Services include engineering specifications, construction drawings, 3D modelling, FE analysis, onsite assistance & inspection.

