

PURE Design & Engineering Limited is a New Zealand based engineering consultancy specializing in the design of advanced composite structures, with a focus on the marine industry.

“Creating engineered solutions for the world’s top naval architects and builders.”

RECENT PROJECTS:

PROJECT 213:



“12” – Verdier / de Beaufort 69’ Sailing yacht

PURE provided full composite engineering, construction drawings, Finite Element Analysis and builder support. The vessels structure was designed to ISO 12215-5. The vessel was built from prepreg carbon, foam and Nomex honeycomb core.

PROJECT 219:



“Liara” Malcolm McKeon 112’ Sailing yacht

PURE provided full composite engineering, construction drawings, Finite Element Analysis and builder support. The yacht’s structure was approved by DNVGL. The vessel was built from prepreg carbon and foam cores.

PROJECT 311:



“APIVIA” Verdier IMOCA 60

PURE provided full composite engineering, construction drawings and Finite Element Analysis. The vessel was built from prepreg intermediate modulus carbon and Nomex honeycomb cores.

WINNER OF 2019 TRANSAT JACQUES VABRE

PROJECT 262:



“Te Aihe” ETNZ AC75

PURE provided full composite engineering, construction drawings, Finite Element Analysis and builder support. The vessel was built from intermediate modulus carbon prepreg.

PROJECT 330:



AC75 Foil Arms

PURE provided full engineering, construction drawings, 3D models and Finite Element Analysis for the One Design Foil Arms to be used by all the teams competing in the 36th America’s Cup regatta.

Visit www.PDE.co.nz for further information about our team, capabilities and projects.

 Follow us on Facebook: www.facebook.com/PureDesignAndEngineering



PROJECT 274:



“Bella Mente” Botin Partners 72’ Mini Maxi

PURE provided full composite engineering, construction drawings, Finite Element Analysis and builder support. The yacht's structure was approved by DNVGL. The vessel was built from intermediate modulus carbon prepreg, foam and Kevlar Honeycomb cores.

PROJECT 090:



“Toroa” Botin Partners 73’ Sailing yacht

PURE provided full composite engineering, construction drawings, and builder support. The yacht's structure was approved by DNVGL. Built from a combination of wood and carbon fibre/epoxy laminate to maintain the classic element while having the sailing capabilities of a modern yacht.

PROJECT 298:



“Outlier” Botin Partners 55’ Modern classic

PURE provided composite engineering for structural components, construction drawings. The vessel was built from timber, E-glass and Carbon.

PROJECT 308:



Club Swan 36

PURE provided full composite engineering, construction drawings, and builder support. The vessel was built from E-glass and foam core.

PROJECT 176:



“Shearwater” Mani Frers 57’ Sailing yacht

PURE provided full composite engineering, construction drawings, Finite Element Analysis and builder support. The yacht's structure was approved by DNVGL. Shearwater 57' is a high-performance cruiser, built from carbon fibre with Nomex Honeycomb core allows her to be strong and stiff while maintaining a beautiful open interior to meet cruising requirements.

PROJECT 188:



“Nahita” J/V Wally 93’

PURE provided full composite engineering, construction drawings, Finite Element Analysis and builder support. The yacht's structure was approved by DNVGL. The vessel was built from intermediate modulus carbon prepreg, foam and Kevlar Honeycomb cores.