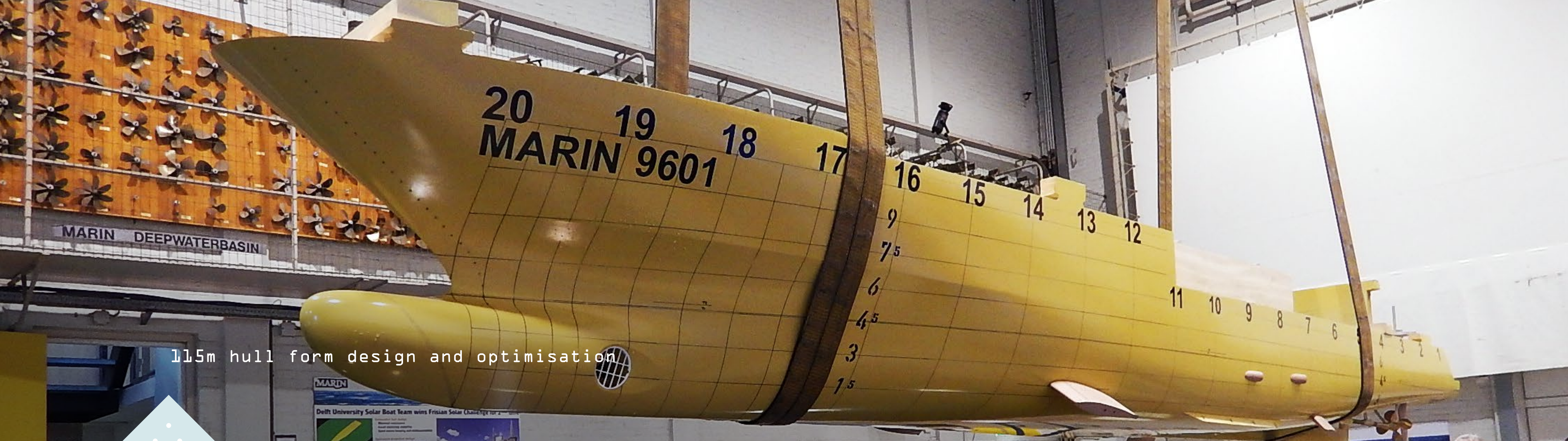


L A T E R A L

NAVAL ARCHITECTS

01

NAVAL ARCHITECTURE



11.5m hull form design and optimisation

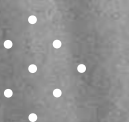
- With our **extensive experience** in the field of naval architecture

Lateral is a leader in the field. A portfolio of in-service designs covering all hull form types, speed regimes, propulsion systems and construction materials demonstrates our expertise.



The scope of our **naval architecture** services include

- Concept Design Development
- Specification Writing
- Hull-form Design and Development
- Computational Fluid Dynamics
- Performance Predictions
- Propulsion System Design
- Sea-keeping Analysis
- Hydrodynamic Model Testing
- Manoeuvring Simulations
- Weight Engineering
- Stability Analysis
- Aerodynamic Wind Tunnel Testing
- Loadline and Other Statutory Calculations



The breadth and scope of our naval architecture **enables us to deliver**

insightful naval architecture/engineering at any and all stages of a project: from early concept and feasibility studies, contract and Class level design to detailed production engineering, commissioning and refit.

Working across all stages of design, production, commissioning and refit, we can advise the correct level of scope and project structure to deliver maximum added value, minimise technical risk and engineering cost.



We have an established reputation as **a leader**

in the field of **hull form development** and we marry our breadth of experience in the private yacht, commercial and naval markets **to deliver designs** tailored for good sea-keeping ability, low resistance, high propulsive efficiency and exceptional range.



Specialist hull
form development

Our team's **portfolio**

extends far beyond conventional monohulls
and covers the development of specialist
hull forms such as catamarans, SWATHs,
hydrofoils and air cushioned vessels.



Additionally, with **our background**

in configuring conventional, unusual and high-tech propulsion systems with the integration of stabilisation and dynamic positioning systems, we can provide high level capability for even the most demanding yacht owners.



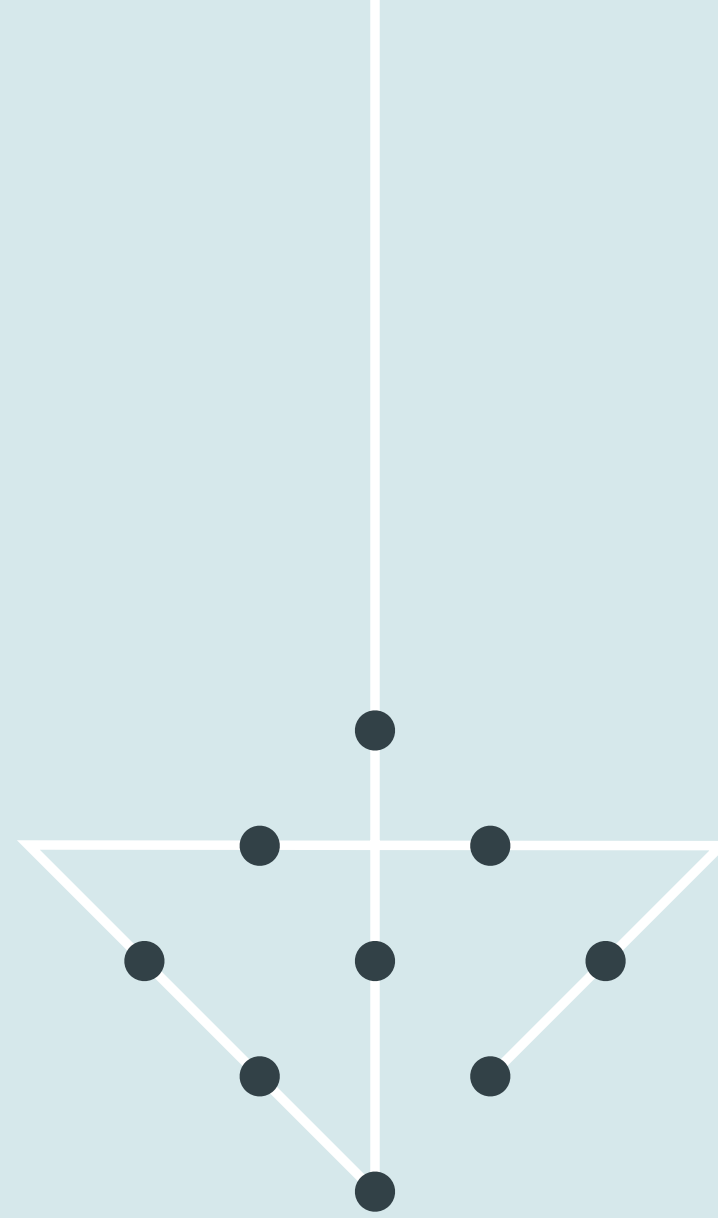


• We thrive on **challenges**

brought to us by the industry's leading designers, stylists and shipyards.

Our goal is to help **deliver their visionary design** intent through our knowledge of the modern regulatory framework, major flag authorities and class societies.





Ask new questions

WWW.LATERAL.ENGINEERING