



WHO WE ARE:

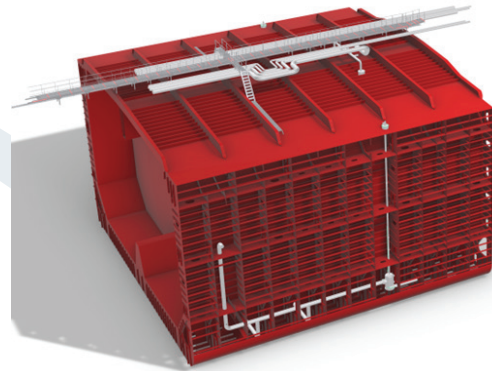
As an initiative of an enthusiastic and highly professional team with a proven track record, ABOARD has the capability and acumen to offer tailor-made solutions from conceptual definition right through to detailed design and on-site supervision. Our specialized services cover the most demanding applications in 3D Modeling, Piping Engineering, Structural Design, Finite Element Analysis and Composite Materials.

Aboard was formed in 2020 when a group of like-minded professionals decided to join forces with a dual aim; to offer technical eminence with world-class customer service. At ABOARD, we make sure that our clients receive our expert guidance from the project outset to the completion of sea trials, benefiting from a dense network of engineers with deep knowledge of marine design and retrofitting.

WHAT WE DO:

3D Modeling

3D Modeling is at the heart of our services and we use an array of tools to deliver fast, accurate representations of complex geometries and arrangements. When needed, this is combined with on-site 3D Laser Scanning data giving the precise actual state of a vessel or marine structure.

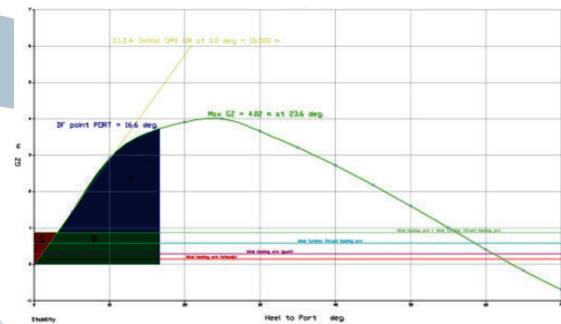
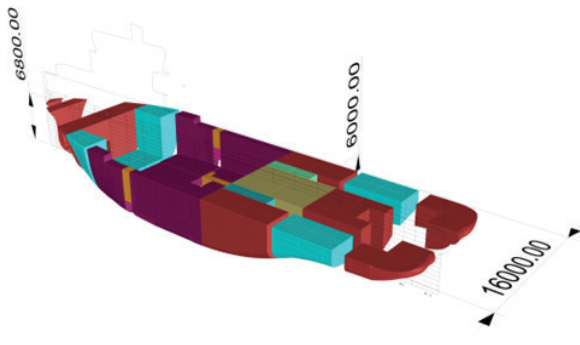


Piping Engineering

As one of our core fields of expertise, we offer complete end-to-end solutions for retrofits as well as for new build projects. ABOARD has extensive experience in the 3D and 2D design of all shipboard piping networks from initial integration to detailed isometrics and system specification.

Vessel Intact & Damage Stability

We provide a full range of services for the stability assessment of ships and offshore platforms. Our experienced engineering team can perform intact and damage stability calculations accurately and efficiently as well as prepare all vessel-specific stability documentation.



Yacht Engineering Services:

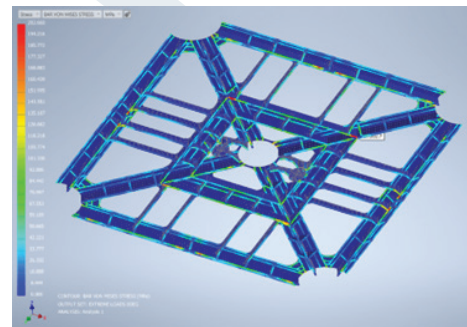
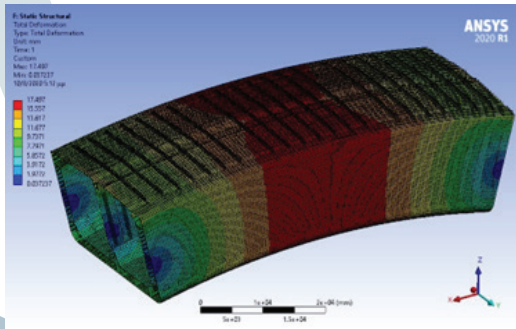
Having participated in several mega yacht new builds and refits, we offer fully customized yacht engineering services that are driven by actionable intelligence, insightful analysis, and acumen. We are always looking and thinking forward, challenging what is considered a standard in our industry. Our experienced surveyors are ready to perform pre-purchase surveys or other project-specific inspections, always aiming to support our clients.

Structural Design

ABOARD employs classical as well numerical analysis methods to tackle the most challenging structural problems ranging from linear static analyses to complex nonlinear studies, vibration modeling and structural optimization of steel, aluminum and composite structures.

Services include:

- Linear and nonlinear static analyses, including buckling and post-buckling modeling.
- Modal and harmonic vibration studies.
- Structural reliability & optimization.
- Analysis of composite structures.



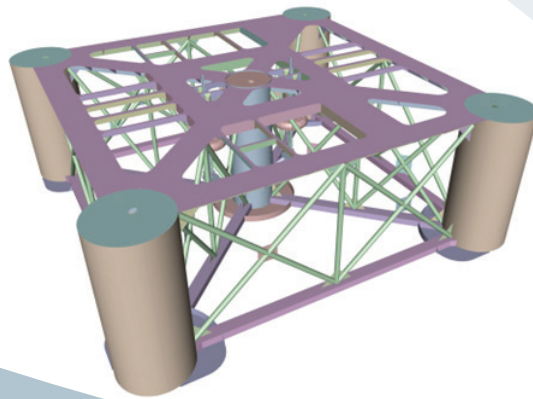
Technical Supervision:

Our experienced team can provide on-site technical oversight for the most demanding retrofit and new building projects, ensuring strict adherence to budget, quality and time constraints. Our experienced supervisors have participated in numerous refit projects including BWTS and EGCS installations as well as in numerous dry-docks and special surveys. When paired with our design engineering services this results in turnkey solutions which remove the design and supervision pressure from the shipowner, freeing up resources and reducing time and cost.



Offshore Engineering Services:

At ABOARD we offer end-to-end engineering solutions for the offshore industry with a focus on the rapidly emerging offshore renewable energy market. Our company has formed strong partnerships with major academic institutions in Greece including the University of the Aegean, the National Technical University of Athens and the University of West Attica and is involved in a variety of Research and Development activities. As an example, our team has been tasked with the design of an EU-funded multi-purpose floating platform featuring a 1MW wind turbine, a wave energy converter and a desalination unit for providing clean energy and fresh water to island communities. ABOARD is responsible for the overall arrangement, structural design (including FE modeling for strength and fatigue evaluations) as well as the intact and damage stability analysis of the platform. Our interdisciplinary, customer-centric mindset coupled with advanced engineering ensure the successful execution of innovative, large-scale projects for the offshore market of today and of tomorrow.



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