

# Naval Architecture & Technical Support



[www.altum-marine.com](http://www.altum-marine.com)

**Altum**  
Altum, Ingeniería y Servicios, S.L.



Our capabilities and experience include all the disciplines of naval architecture and marine engineering. Our expertise encompasses the whole range of design activities:

- Concept and basic design
- Damage control plans
- Great expertise in conversions and repairs works.
- All kind of stability calculations (stability booklet, inclining experiment, lightweight verification, probabilistic calculations, etc.)
- SOLAS Evacuation calculations
- Safe Return to Port (SRtP) Analysis. Redundancy FMEAs
- Mooring and towing calculations
- Lashing analysis
- Heavy lift calculations
- Structural engineering. FEM Analysis.
- Dynamic Positioning technical assistance (FMEA, DP trials, DP audits, etc.)
- Guidelines, technical specifications and manuals
- ISM & ISPS audits



Our clients include shipowners, shipyards, marine contractors, insurance companies, ship agents, banks, etc. ALTUM is compromised with a full service of technical assistance and supervision working together with our technical office.

Our technical team has a large background in all kind of new building projects and conversion/repair projects. We can assist clients in worldwide locations for any kind of onboard project.



## Some Clients



ALTUM has a large background in technical assistance, conversions, projects and design of all kind of vessels: Ro-Pax, Offshore vessels, fast crew vessels, fishing vessels, bunkering barges, cargo vessels, dredgers, tankers, recreational crafts, etc.



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