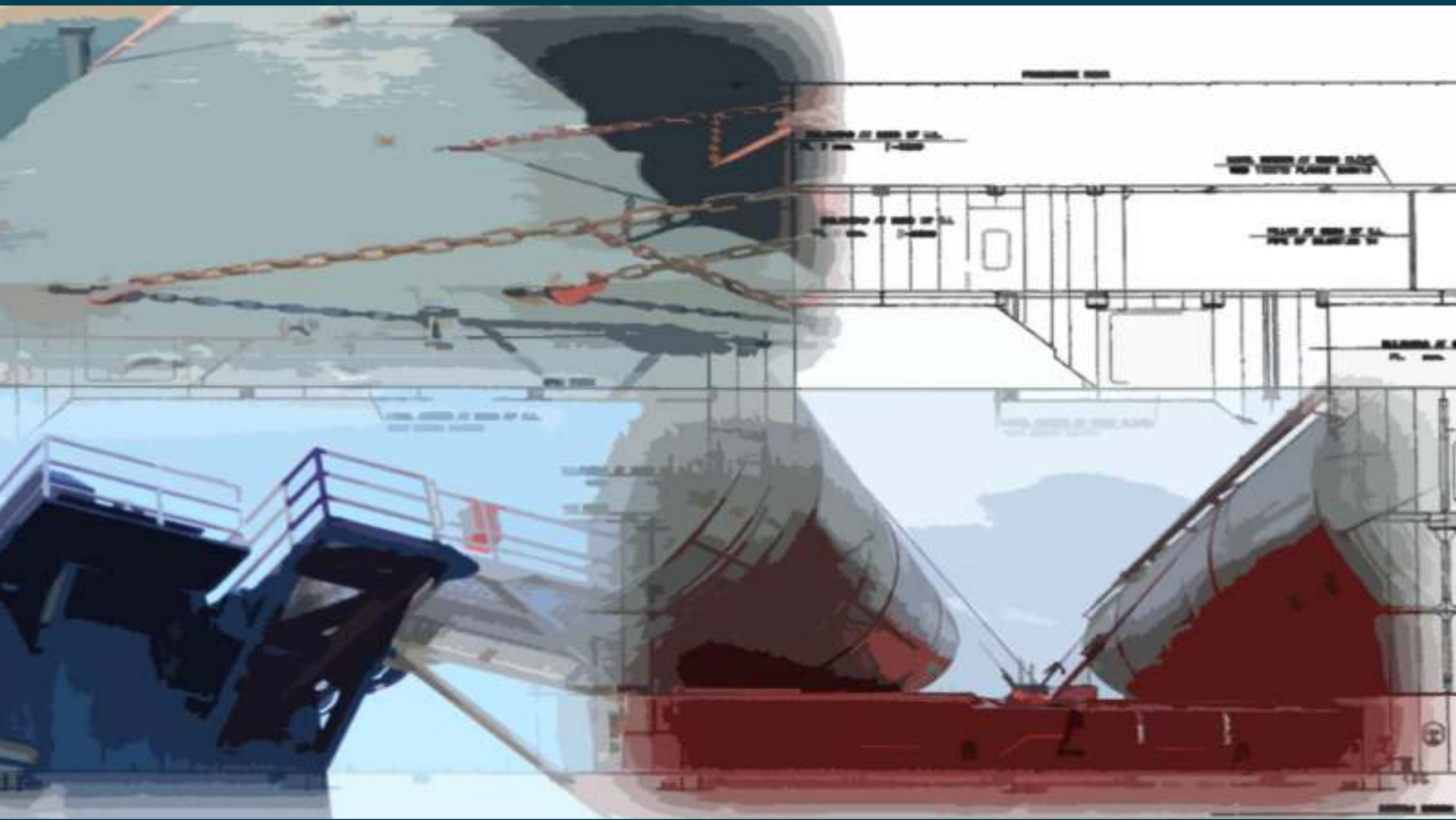


SHIP STRUCTURAL DESIGNS

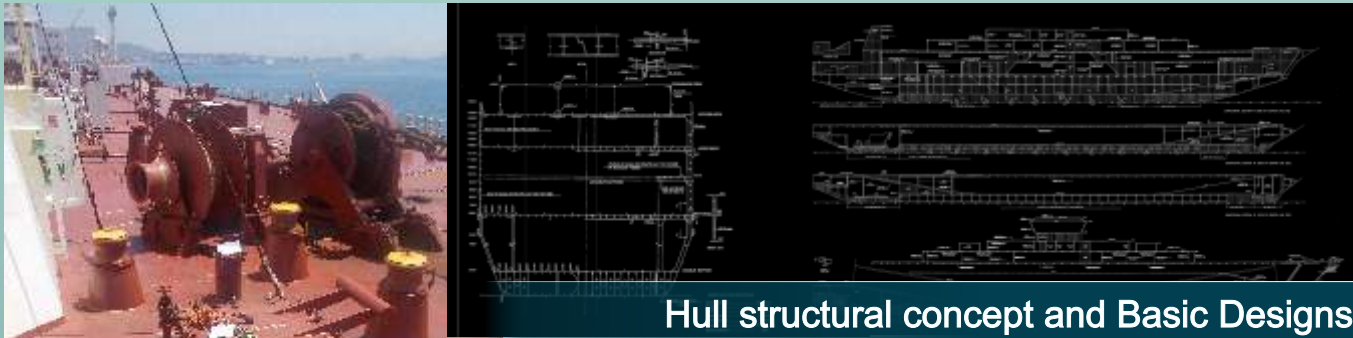


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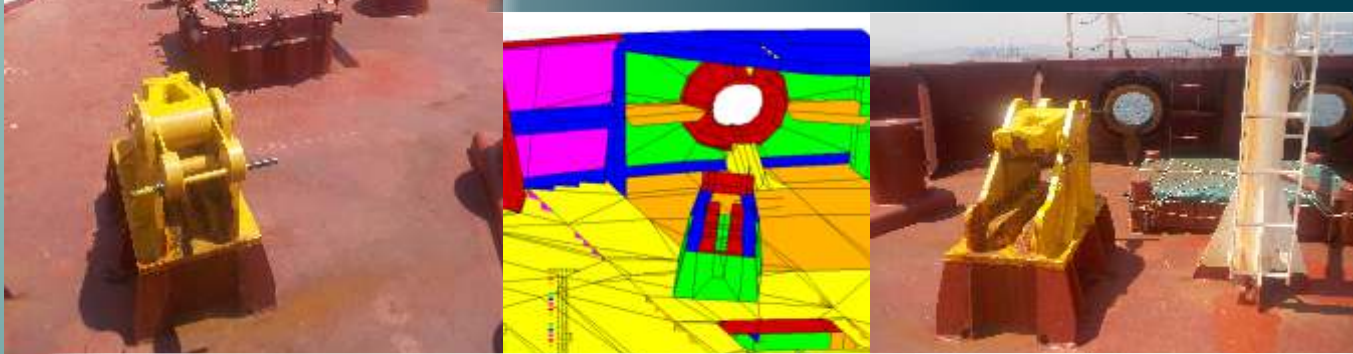
Altum
Altum, Ingeniería y Servicios, S.L.



Our capabilities and experience include all the disciplines of naval architecture and marine engineering. In structural designs we are also specialized in expert calculations.



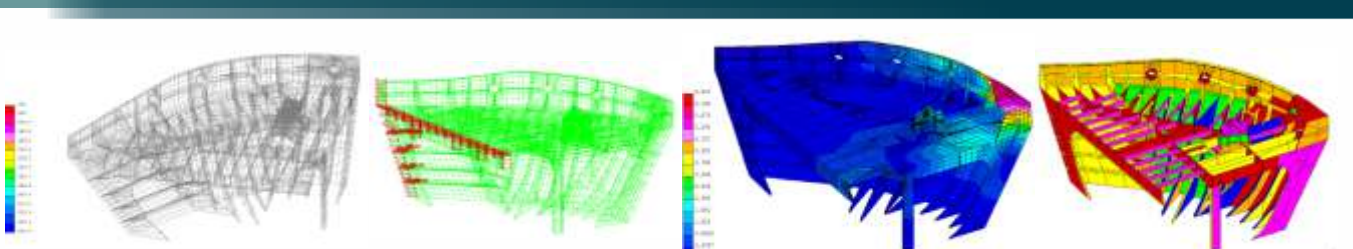
Hull structural concept and Basic Designs



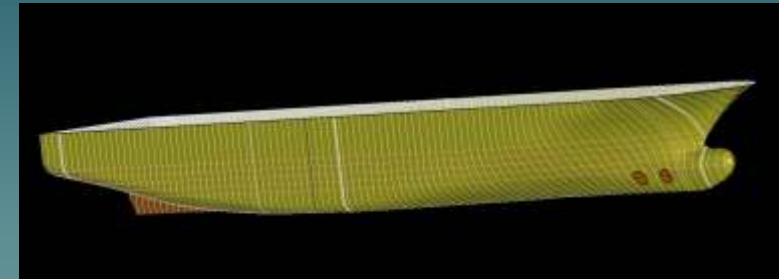
Single point mooring (SPM) projects



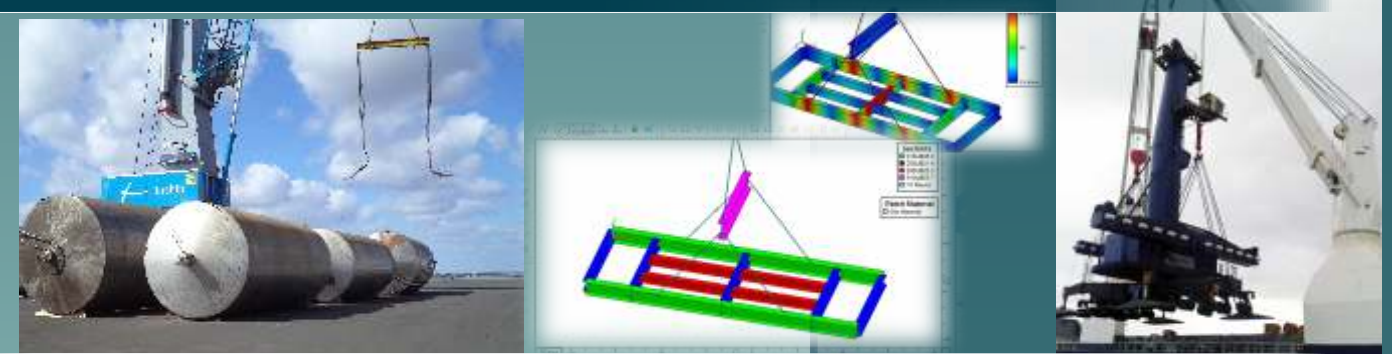
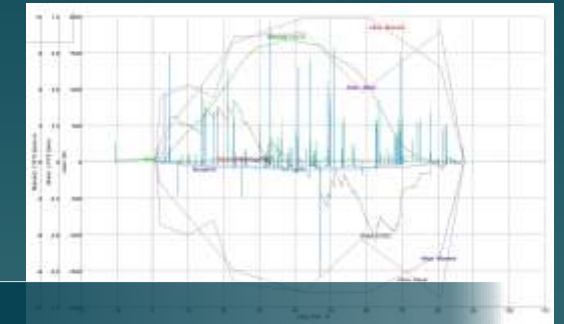
Design of supporting structures in ships



FEM (Finite Element Method) calculations



Longitudinal strength calculations



Calculations of heavy lift maneuvers: Design of lifting beams.



Lashing projects



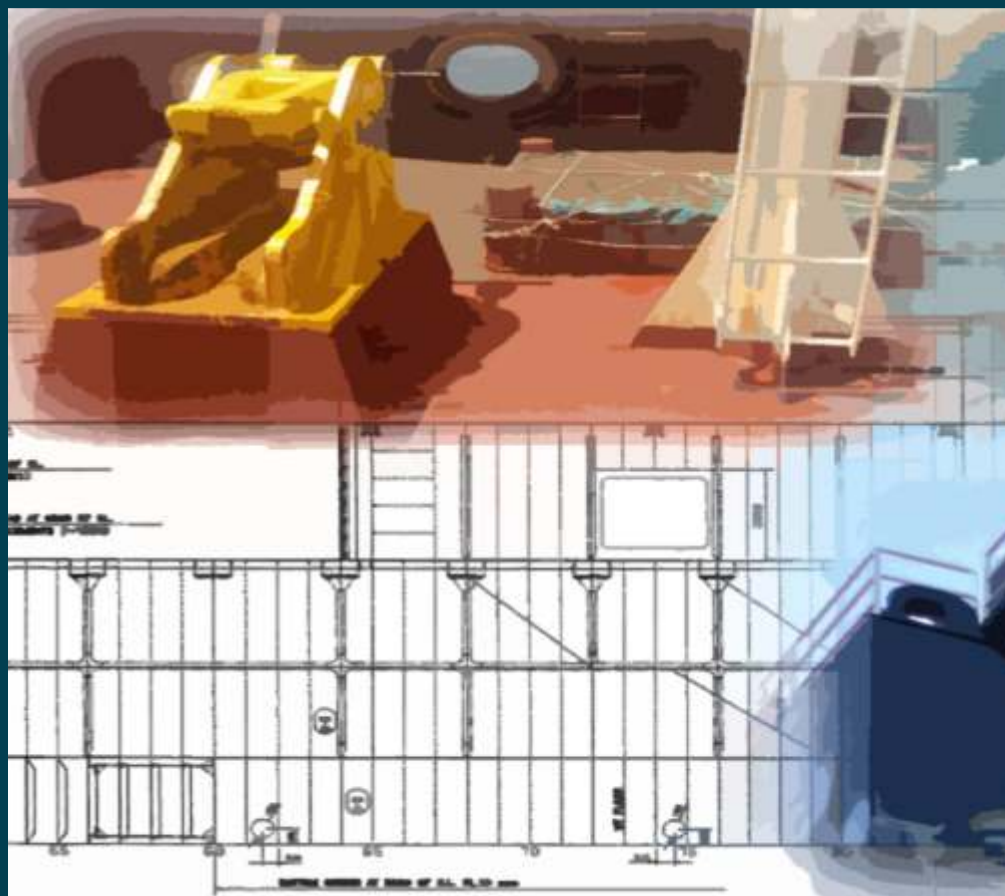
Mooring and towing calculations

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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