



# ENGINEERING ANALYSIS

Core Engineering Design Simulations In All Disciplines

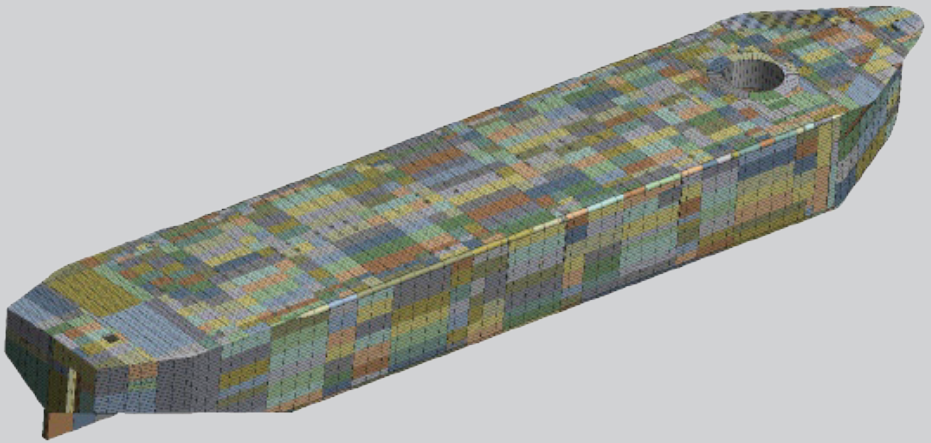
**Finite Element Analysis (FEM)**

Stability Analysis

**Computational Fluid Dynamics (CFD)**

Hydrodynamic Studies **Mooring Analysis**

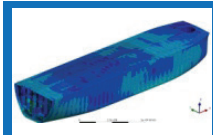
**Pipe Stress Analysis** Electrical & DP Studies



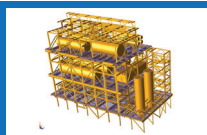


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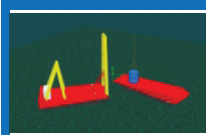
## Track Record



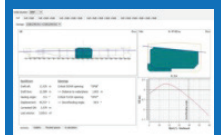
Global Hull Analysis



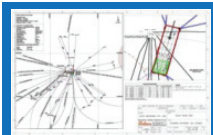
Topside Structural Analysis



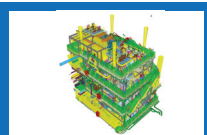
Offshore Heavy Lift Analysis



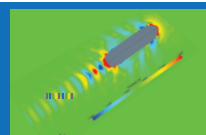
Intact, Deterministic, & Probabilistic Damage Stability



Mooring Analysis



Pipe Stress Analysis



CFD Analysis



ESD Validation

**Software Experience:** Foran, Maxsurf, Ansys, Bentley SACS, OrcaFlex, Zenmoor, Optimoor, Ansys AQWA, StarCCM+, Ansys CFX, Etap, Aspen HYSYS, CAESAR II, Pipe Flow

## ABOUT VEDAM

Vedam is a new-age engineering company dedicated to providing innovative design and technological solutions for global maritime companies. With highly qualified 200+ team members and 35+ engineering software, Vedam develops future-ready design and software that drives industry growth and benefits the planet.

## DESIGN SERVICES

- Ship Design • Production Design • Conversion & Retrofit • Decarbonization Studies • Site Supervision
- Engineering Analysis (FEM CFD, Mooring, Hydrodynamics) • LNG - FSRU Projects • Dredgers
- Marine Services (3DLS, IHM, D2 Sampling, UTM, Surveys)

## DIGITAL SOLUTIONS

**CARBON BOARD** Measure, monitor and control emissions

**DI** App for onsite / remote inspection

**PDTwin** VR based ship visualization & document management

**ER** Simplifying crew rest hour management