

Oil & Gas Engineering



Zebec Marine offers various solutions to the Oil and Gas industry. The scope of our services spans Structural Analysis, Ocean Engineering Design, Naval Architectural Services and Marine Engineering Services.

Structural Analysis and Engineering

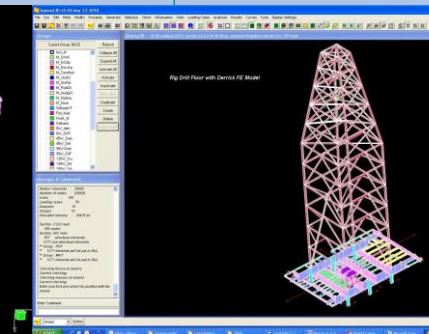
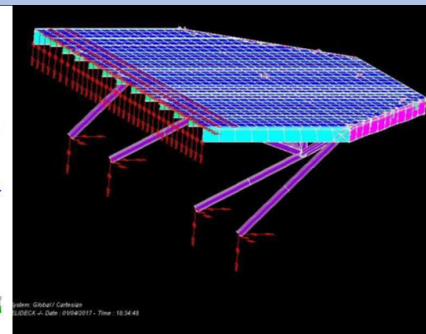
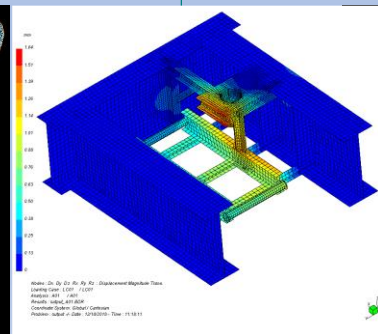
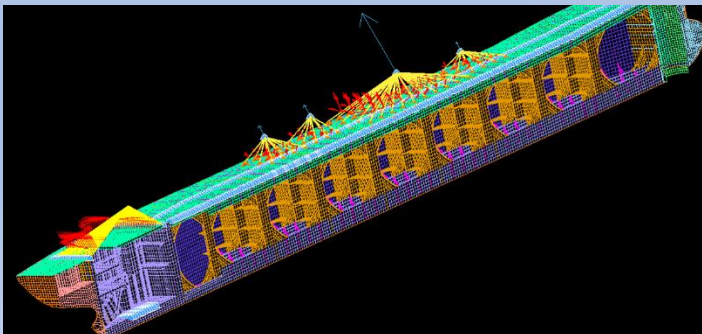
- 3D Hull Modeling
- Finite Element Analysis
 - Global FEM
 - Local FEM
- 3 Hold Analysis
- Strength Assessment
- Topside Module Structure Analysis
- Rig Floor Structure Analysis
- Drill Mast / Derrick Structure Analysis
- Global Integrity for Jack-ups

FPSO / FSO / FPU Engineering

- Candidate Vessel Selection
- Selected vessel conversion design
- Hydrodynamics and Limit State Analysis
- Structural Evaluation
- FPSO Pre Bid Engineering
- Topside Integration to FPSO Hull
- Marine Systems Design

Offshore & Subsea Engg. Services

- Spread Mooring Analysis
- Green Water Analysis
- Tandem Offloading Analysis
- DP Capability Study
- Load out Services and Procedure
- Barge Ballasting Calculations
- Lifting Analysis, Riser analysis
- Rigging Design
- Subsea PLEM , PLET Structure Analysis
- Design of Manifold and Templates



Zebec Marine Consultants & Services Pvt. Ltd.



- Ship Building Project Management
- Ship Design (Concept, Basic & Detailed)
- Oil & Gas Engineering
- FPSO | FSO | FSRU System Design
- Naval Architectural Services
- Retrofit Engineering (BWTS / Scrubbers)
- Ship Loadicator Software



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