

CONVERSION & CONSULTING PROJECTS EXECUTED

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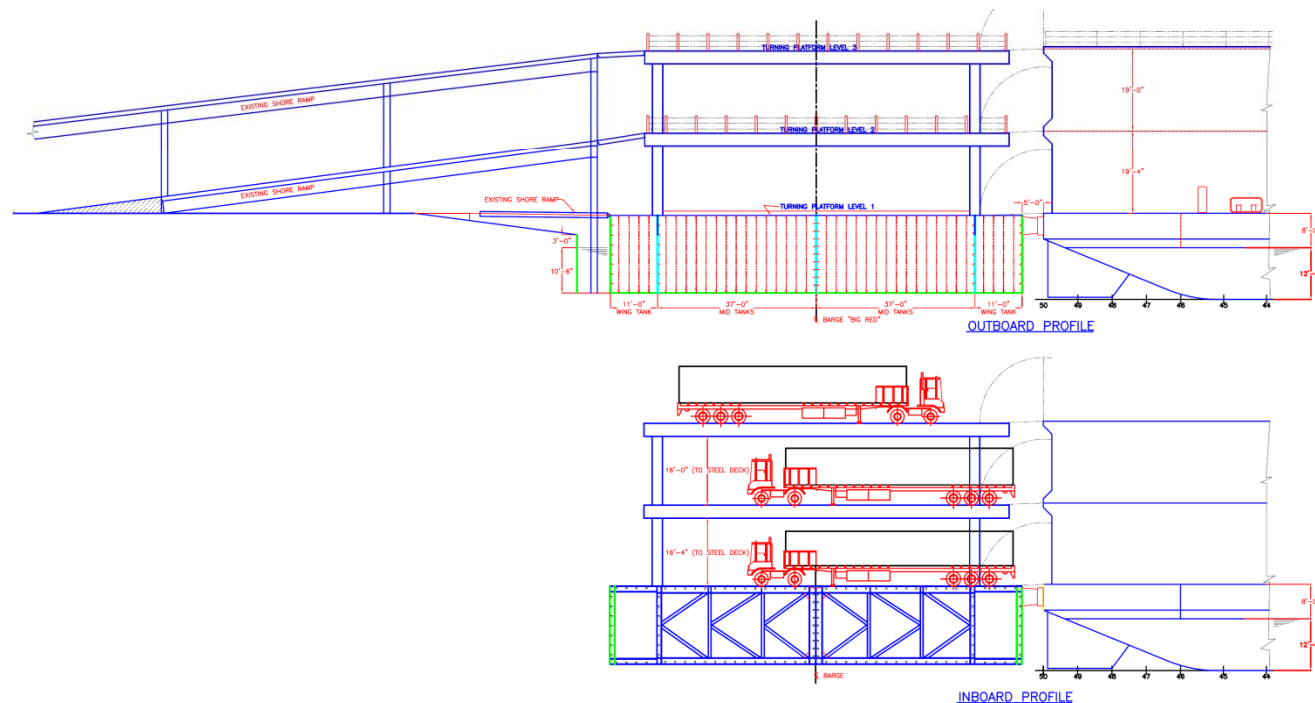
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CONVERSION PROJECTS

Deck Barge to 3-Level Ramp.

- 101' Deck Barge converted to a 3-Level Ramp to transfer trucks from Ro-Ro to shore (ABS Rules for Steel Barge 2003)



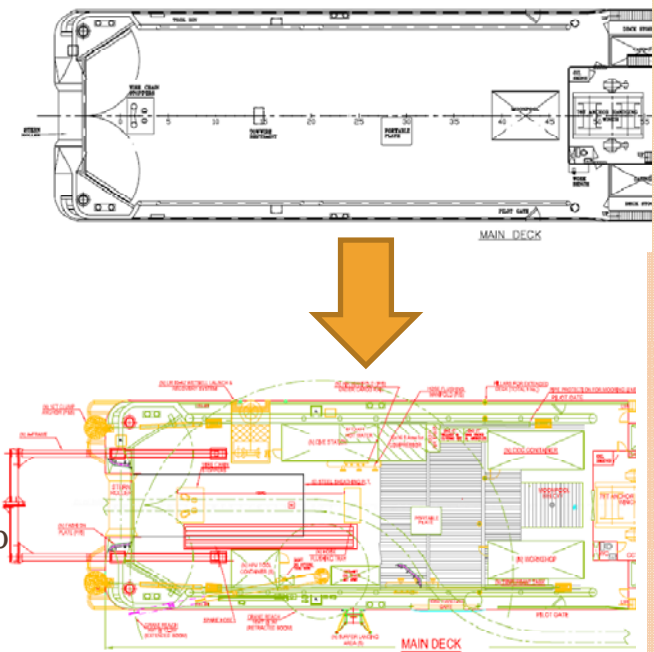
CONVERSION PROJECTS

- Single Hull to Double Hull Tanker
– 4 Vessels.
 - 7000 DWT Vessel, Complete Design – IRS approved
 - **Stability** – T&S, Damage Stability, Inclining Experiment
 - **Structural** – Scantling calculation & construction plans
 - **Piping** – modified cargo, ballast, vent, sounding lines.
 - Marpol Plan - Bulkhead location
 - Phase wise cutting & installation plans.
 - **Supervision** during Conversion



CONVERSION PROJECTS

- **OSV to Deep Sea Diving Support Cum Subsea intervention Vessel**
 - **4-Point Mooring System** – mooring analysis, winch platform, layout, foundation design.
 - **50-ton A-Frame** – feasibility, Structural design (FEM) & plans
 - **18-T telescopic Crane** – feasibility, Structural design (FEM) & plans
 - **Diving Equipments** – Wetbell, DDC container, Workshop
 - **Misc equipments** – Stern roller, Side roller, Pipe Guard
 - **Slop Tank** – Structural modifications, P&IDs
 - **Machinery & Electrical** – Schematics & arrangements



CONVERSION PROJECTS

- Dump Barge to Accommodation Barge Conversion
 - **170 Men Accommodation** – Layout, Structural Plans
 - **250T Crane** – Feasibility, Structural foundation (FEM),
 - **Helipad** – Structural design (FEM), all plans as per CAP 437
 - **8-Point Mooring** – mooring analysis, layout, foundations
 - **Stability** – T&S, Damage Stability, Inclining Experiment
 - **Structural** – Scantling calculation & construction plans
 - **Machinery** – Schematics, equipment arrangement,
 - **Electrical** – load calculation, 1-line diagram, layout
 - **HVAC** – load calculation, 1-line, layout
 - **Supervision** during Conversion



CONVERSION PROJECTS

- 220M Cargo Vessel to Research Vessel
 - 150 Men Accommodation
 - 60ft Research Antennas – 3no.s
 - Deck Insert
 - Store cranes
 - Structural & Stability



CONSULTING PROJECTS

○ Feasibility Study –

- Shipyard Survey – for New Building Order
 - Two different German Ship Owners, Indian Investment banker. Survey of Shipyards in India, China, Korea, Bangladesh.
- Shipyard Technical Assessment
 - Alcock Ashdown (Gujarat) limited Shipyard
- Shipyard Technical Assessment
 - Western India Shipyard Limited
- Product to Chemical Tanker Conversion
 - German Ship Owner.



SHIPBOARD MODIFICATIONS

Design, Class Approval & installation onboard

- Chain Locker Bulkhead Modifications – 3 Ships.
- Conversion – Cargo Segregation – 4 Tankers
 - CO Line & Vent Line to double segregation
- ER Bilge & Sludge Segregation – 4 Ships
- Forepeak & Cargo Tank – Collision damage repair – 2 ships.
- Strong Point – for Escort Tug – 8 Ships



SHIPBOARD MANUALS (FLAG STATE)

- P&A Manual – Chemical Tanker – 32 Ships – Various Class Approval
- Vecs Manual – Chemical Tanker – 3 Ships – BV, LR Approval
- Oil Transfer Procedure – Oil Tanker – 4 Ships
- BW Management Plan– 9 Ships – Various Class Approval.
- HFO – LSFO Changeover Procedure - Bulk Carrier – 1 Ship.
- Docking Plan – 2 Ships – DNV Approval, IRS Approval
- SOPEP, SMPEP plans – 4 Vessels
- Garbage Management Plan – 4 Vessels



STATUTORY PLANS

Design, Class Approval

- Life Saving Appliances Plan (LSA)
- Fire Control Plan (FCP)
- Structural Fire Protection Plan (SFP)
- Light Sound & Signals Plan (LSS)
- Tonnage Computation Plan
- Loadline Plan
- Cargo Securing Manual
- Crew Accommodation Plan

More than 25 vessels



CONSULTING PROJECTS

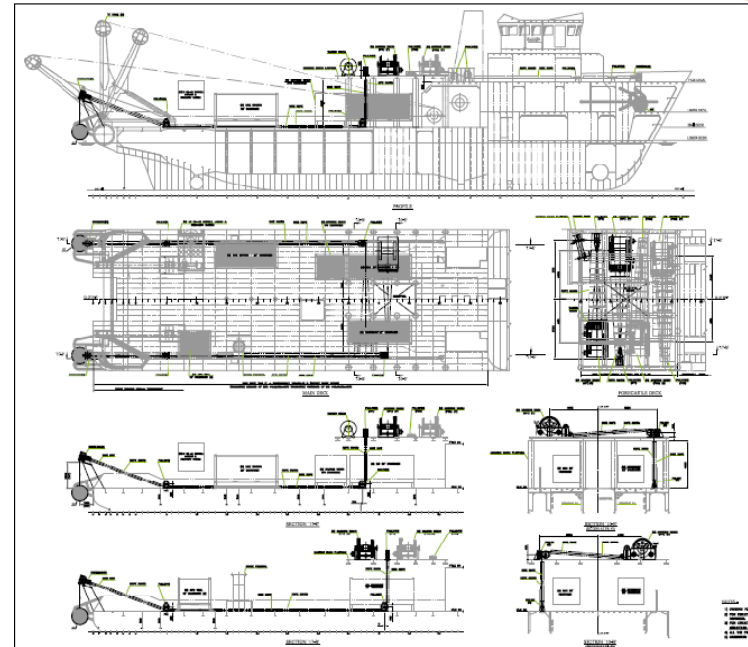
- Project Planning (Scheduling)
 - Chemical Tanker construction – Indian Ship Owner, Indian Builder.
- Indian Ship Breaking Industry
 - Client Specific Report – Spain Marine Consulting Company.



MOORIGN SYSTEM DESIGN

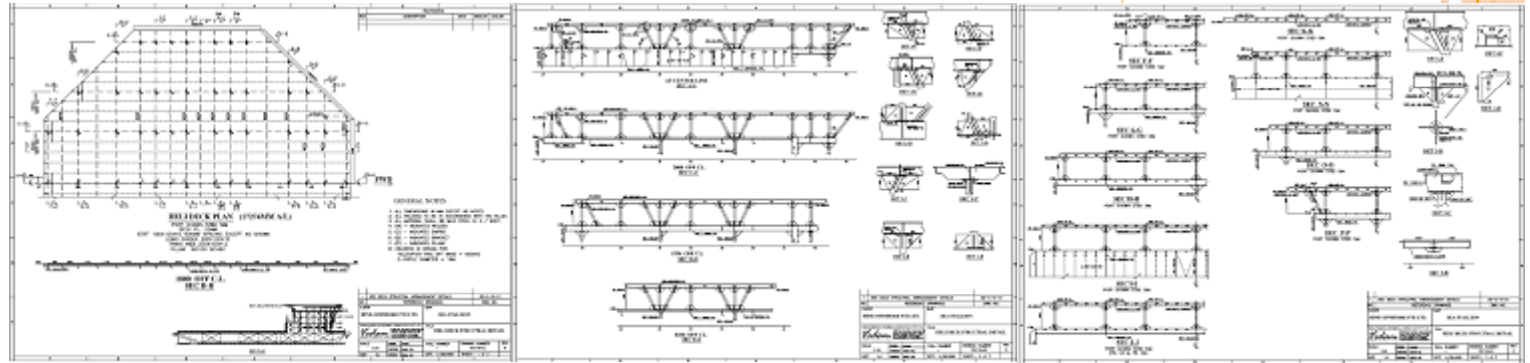
Design, Class Approval & installation onboard

- Mooring Analysis (Optimoor, Excel)
- Mooring Layout Design
- Mooring equipment Foundation
 - FEM structural analysis
 - Detail construction plans
- 4-Point mooring – 1 OSV
- 4-Point Mooring – Floating Dock
- 8-Point Mooring – 1 Accommodation Barge



HELIDECK DESIGN OUTPUTS

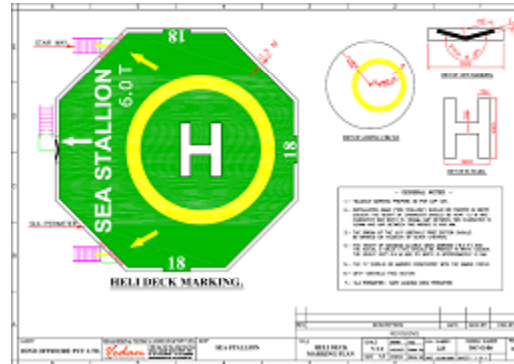
STRUCTURAL PLANS



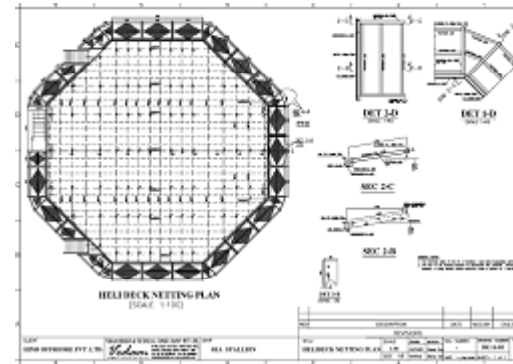
LIGHTNING PLAN



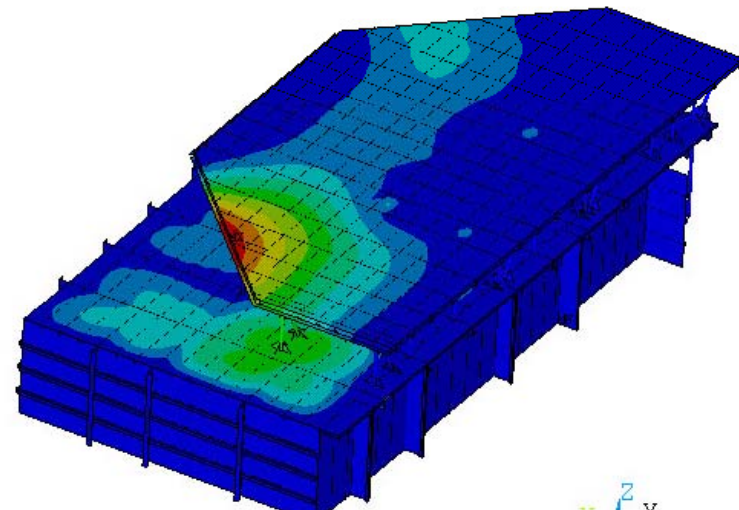
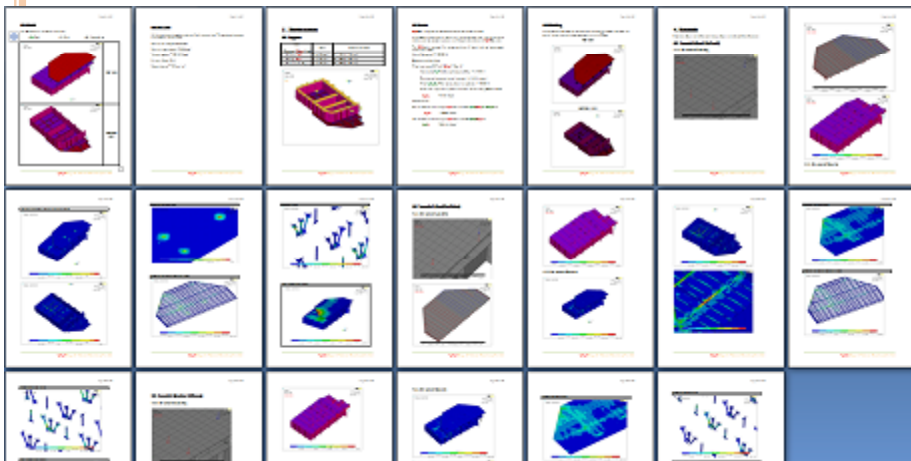
MARKING PLAN

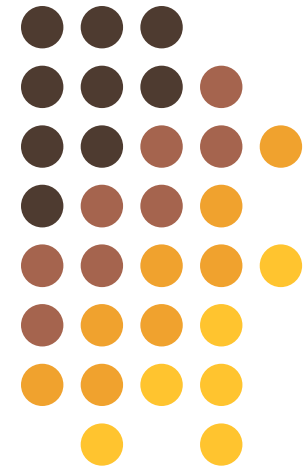


NETTING PLAN



FEM REPORT





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