Zebec Marine Consultants and Services Pvt. Ltd.

Overview

Zebec Marine Consultants and Services Pvt. Ltd., an ISO 9001:2015 certified company offers design, engineering services and consulting solutions to the marine and offshore industry. ZMCS is a registered SME (Small & Medium Scale Enterprise) operating out of Mumbai, India.

ZMCS is headed by a team of Marine Engineers, Master Mariners and Naval Architects. In addition our people have a well-rounded exposure to the requirements of international maritime trade.

The scope of our services spans new ship construction project management, site supervision, vessel basic and detailed design, naval architectural computations, offshore engineering design, structural analysis, marine engineering services, techno- commercial feasibility for marinas, port and shipyard development services.

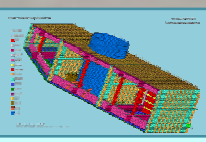
Ship Design

- Concept Design
- Initial Design
- Basic Design
- Detailed/ Production Design
- Retrofit/ Conversion Design

Oil & Gas Engineering

- FPSO/ FSO Hull & Marine
- System Engineering
- Jack-up Rig Design
- Jacket Structure Design Upgrade of Offshore Platforms
- Offshore Inspection & Modification for Operational Improvements

Engineering Analysis



- Global and Local Finite Element Analysis (FEA)
- Fluid Structure Interaction
- Mooring Analysis
- Motion Analysis
- Complex Operational Analysis
- Sloshing Analysis
- DP Capability Analysis
- Vibration Analysis

Retrofit/ Conversion Engineering

- Conversion Feasibility Studies
- Generation of Conversion Design Drawings
- BWTS Feasibility & Design
- Vessel Life Extension
- Scrubber Retrofit Design

New Build Project Management

- Pre Contract:
  - Shipyard Evaluation and Selection
  - Ship Building Contract Review (Technical)
  - Technical Specification Review
  - Equipment Package Review
- Post Contract:
  - Design / Drawing Review
  - Site Supervision and Reporting
  - Sea Trial and Commissioning
  - Guarantee Claim Handling

Naval Architectural Services

- Naval Architecture Computations
- First Principle Calculations
- Sea Fastening Calculation & Design
- Stability Booklet Preparation
- Preparation of Statutory Drawings
- Preparation of Statutory Booklets & Manuals
- Regulatory Compliance Checks

Software Development

- Zebec Loadmaster (Loadicator / Stability Software)
  - Tankers
  - Bulk Carrier
  - Container Vessels
  - LPG/ LNG Vessels
  - Ferries
  - Small Craft
- Jack up Loadicator

Marine Engineering

- Vessel Pre-purchase Inspections
- Condition Assessments
- Technical Due Diligence of Marine Assets

Coastal Engineering & Feasibility Studies

- Ports and Harbours
  - Terminals
  - Coastal Engineering and Hydraulic Modeling
  - Manoeuvring Simulation
  - Risk Assessment
- Cruise Terminal and Marinas
- Logistics Studies
- Market Demand Studies
- Business Planning and Company Structuring
- Due Diligence for:
  - Investment in Marine Assets
  - Regulatory Framework
  - Assistance in Bidding for Tenders

Website : www.zebecmarine.com | Email : zebec@zebecmarine.com | Phone : +91-22-42965000