

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 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, all naval architectural computations, offshore engineering design, structural analysis, marine engineering services, techno-commercial feasibility for marinas, port and shipyard development services.

<p>Ship Design & Naval Architectural Services</p> 	<p>Structural Engineering</p> 	<p>Hydrodynamic Analysis</p> 	<p>Software Services</p> 
<ul style="list-style-type: none"> ➤ Conceptual Design of Ships and Floating Structures ➤ Basic Design ➤ Conversion Design ➤ Repair & Modifications ➤ Detail & Production Design ➤ Statutory Manuals ➤ Regulatory Compliance check 	<ul style="list-style-type: none"> ➤ Global Finite Element Analysis of Fixed & Floating Structures ➤ First Principle Calculations ➤ Vibration Analysis ➤ Design & Analysis of Support Structures ➤ Fluid-Structure Interaction 	<ul style="list-style-type: none"> ➤ Motion Analysis <ul style="list-style-type: none"> - Frequency Domain - Time Domain - Multibody Interaction - Effect of Moonpool ➤ Mooring Analysis <ul style="list-style-type: none"> - Single Body Moorings - Multibody Moorings - Spread Mooring - Turret Mooring - Tandem Offloading etc. ➤ Sloshing Analysis ➤ DP Capability 	<ul style="list-style-type: none"> ➤ On-board Ship Stability Software ➤ Jack-up Loadicator ➤ Damage Control Software ➤ Trim Optimization Software ➤ Vessel's Performance Estimation Software ➤ Development of Ship & Environmental Models for Training Simulators
<p>Offshore Engineering</p> 	<p>New Building Project Management</p> 	<p>Marine Engineering</p> 	<p>Feasibility Studies</p> 
<ul style="list-style-type: none"> ➤ FPSO/ FSO Hull & Marine Systems Engineering ➤ Jack-up Rig Design ➤ Jacket Structure Design Upgrade of Offshore Platforms ➤ Offshore Inspection & Modification for operational improvements ➤ Complex Operational Analysis <ul style="list-style-type: none"> - Heavy Lifts - Pipe Lay - Load-Out - Preloading of Jack-ups - Jacket Upending - Float Over 	<ul style="list-style-type: none"> ➤ Pre Contract: <ul style="list-style-type: none"> - Shipyard Evaluation and Selection - Ship Building Contract Review (Technical) - Technical Specification Review - Equipment Package Review ➤ Post Contract: <ul style="list-style-type: none"> - Design / Drawing Appraisal - Site Supervision and Reporting - Sea Trial and Commissioning - Guarantee Claim Handling 	<ul style="list-style-type: none"> ➤ Vessel Pre-purchase Inspection ➤ Vessel Life Extension And Up-gradation Studies ➤ Dry Dock Superintending Assistance 	<ul style="list-style-type: none"> ➤ Ports and Harbours <ul style="list-style-type: none"> - Terminals - Coastal Engineering and Hydraulic Modeling - Maneuvering Simulation - Risk Assessment ➤ Cruise Terminal and Marinas ➤ Logistics Studies ➤ Market Demand Studies ➤ Business Planning and Company Structuring ➤ Due Diligence for <ul style="list-style-type: none"> - Investment in Marine Assets - Regulatory Framework - Assistance in Bidding for Tenders

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