



## About Us

NAVTECH is a marine, offshore, oil and gas consultancy based in Middle East and India. Navtech offers complete solution to the industry starting from Engineering, technical supports and project management .



 [info@navtech.in](mailto:info@navtech.in)

 [www.navtech.in](http://www.navtech.in)



# Our Services



## Naval Architecture

- Intact and Damage Stability
- Statutory Drawings / Documents & Manuals
- Basic Design of Marine Vessels
- Global Strength & Fatigue Analysis
- Freeboard Calculations
- Tonnage Calculations
- Midship Section Design
- Inclining Experiment and Calculations
- **Loading Software Development**

## Piping Engineering

- Process Flow Diagram (PFD)
- Develop Piping & Instrumentation Diagram (P&ID)
- Heat Balance / Heat Exchanger Capacities
- Pressure Vessel Design ( ASME SEC VIII DIV-1)
- Cargo Tanks Steam Heating Coils Calculation
- Equipment & Piping Layouts
- Piping Stress Analysis
- Major Equipment Process Datasheets
- Flow & Pressure Drop Analysis

# Our Services



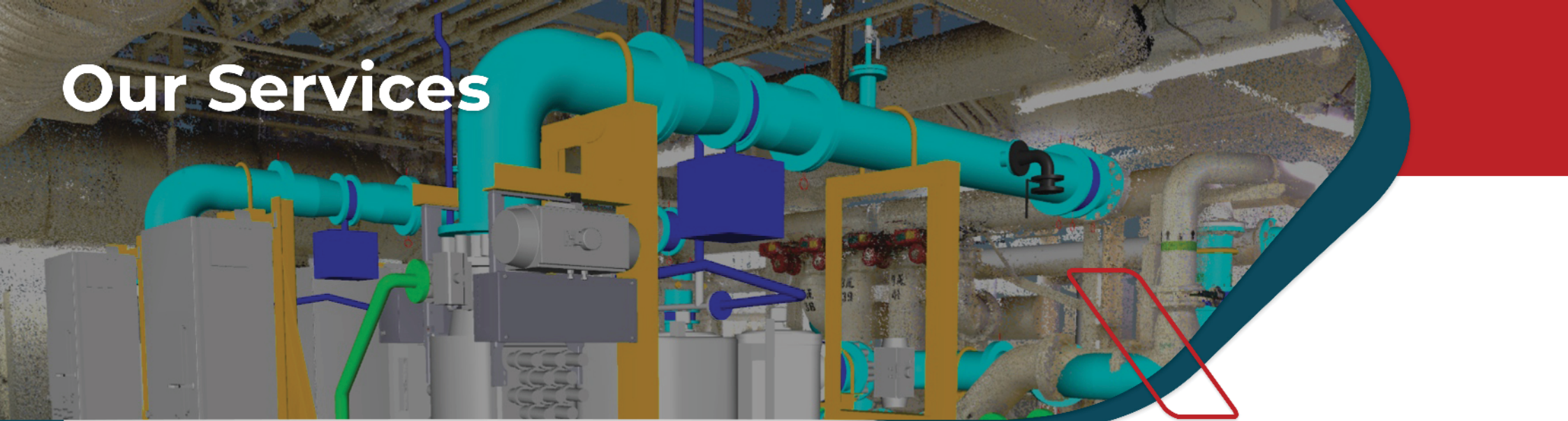
## Structural Design and Modifications

- Structural Drawings
- Scantling calculations
- FEA Analysis
- Seafastening Design
- Deck Strength Analysis
- Strength Analysis of Onshore Steel Structure
- Scrubber Deckhouse Design
- Lifting Analysis of Offshore Units

## Offshore Engineering

- Schedule G Upgrade for Rigs
- Rig Piping
- Transportation Stability Analysis
- Mooring Analysis
- Jacket Launching and Upending Analysis
- Engineered Lift Study
- Bollard Pull Calculation

# Our Services



## BWTS and Engineering

- 3D Scanning
- Feasibility Study
- Basic Design & Class Drawings
- Detailed Engineering & Production Drawings
- Project Management & Equipment Installation
- Develop Piping and Instrumentation Diagram
- Process Flow Diagram (PFD)
- Equipment & Piping Layout
- Piping Stress Analysis

## Tanker to Chemical Carrier Conversion

- Feasibility Study for Thermal Boiler Sizing
- Heating Coil Area Calculation
- Thermal Analysis of Cargo Tanks
- All Technical Documents to Facilitate the Class Approval

# Our Services



## EEXI

- EEXI Compliance Calculation
- EEXI Technical File Preparation and Class Approval
- Engine Power Limitation (EPL) Report and Implementation Support
- Detailed Assessment for Computational Fluid Dynamics (CFD)
- Energy Saving Device (ESD) Retro Solutions

## 3D Scanning Services

- 3D Scanning Using Faro Scanner
- Scan Registration
- Engine Room and Pump Room Scanning for BWTS and Engine Scrubber System
- Vessel Hull Lines Preparation
- Vessel Retrofits and Detailed Design

# Our Services



## Electrical

- Key Single Line Diagram
- Preliminary Electrical Load Analysis
- Lighting Calculations
- Antenna Layouts
- Helideck Lighting Layouts
- Main Cable Tray Routes

## Marine Surveys

- On Hire- Off Hire Surveys
- Bunker Surveys
- Draft Surveys
- Loading / Offloading Surveys
- General Condition Survey
- Repair Cost Estimation

# Our Services



## Offshore Structural Design / Construction

- Offshore Jetty / Pontoon Design & Construction
- Mooring Analysis
- Mooring Equipment Design
- Sea Fastening Design
- Hydrodynamics Studies
- Motion Analysis
- Floating Facility Architecture
- Stability / Damage Stability of Floating Platforms

# Our Services



## Specialized engineering for Yachts

- Basic Design / Concept Design for Yacht and Special Crafts
- Detailed Engineering for Yachts
- Documentation for GCC Code
- Class Approvals
- Yacht inspections



 Business Center 1,M Floor,  
The Meydan Hotel, Nad Al  
Sheba, Dubai - UAE

 [www.navtech.in](http://www.navtech.in)

 [info@navtech.in](mailto:info@navtech.in)

 +971-56547 7380