

2020
www.boatvio.com

A large red and white industrial ship, possibly a tanker or offshore supply vessel, is shown from a side-on perspective. The ship has a white superstructure with a 'NO SMOKING' sign. The hull is red, and the water is dark blue with whitecaps. The sky is overcast with grey clouds.

BOATVIO MARINE
SHIP DESIGN & CONSULTANCY

Contents

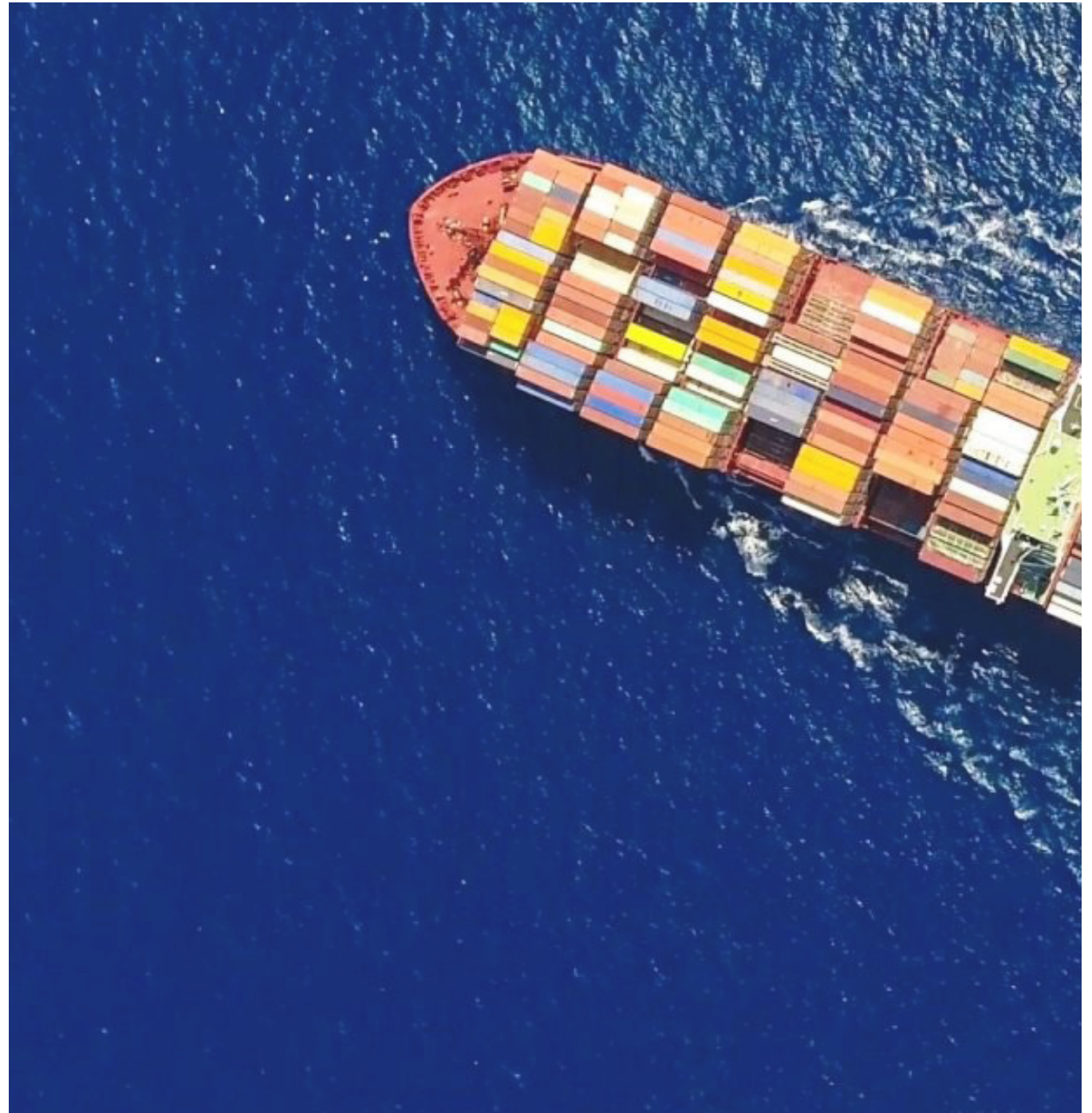
01 ABOUT US 02

02 OUR MISSION 03

03 OUR SERVICES 04-08

04 OFFSHORE DESIGN 09

05 CONTACT US 10





ABOUT US

Boatvio Marine is a Design & Consultancy service provider established in 2020. We are based in Pune – India, ambitious to create an impact on the marine industry through our quality Design & Consultancy services. We are providing services all over the globe and growing every day in the Marine Industry.



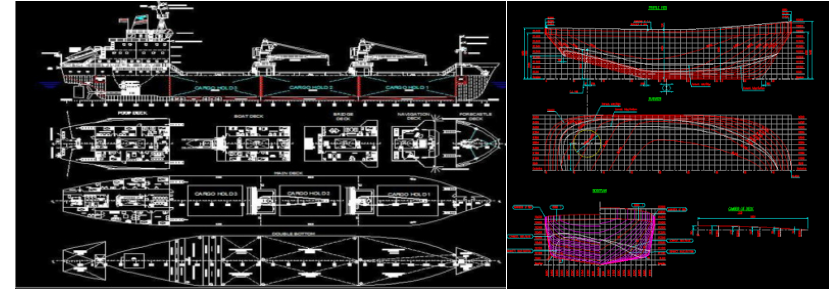
OUR MISSION

With the power of the Boatvio's talent pool, we remain committed to excellence and deliver Value to our clients with our effective design & quality marine consultant services.

OUR SERVICES

NAVAL ARCHITECTURE

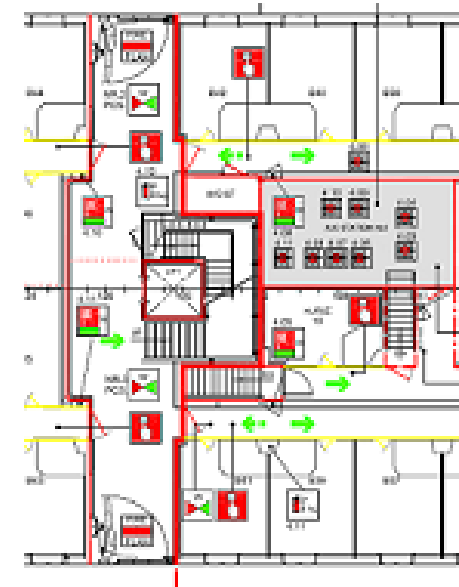
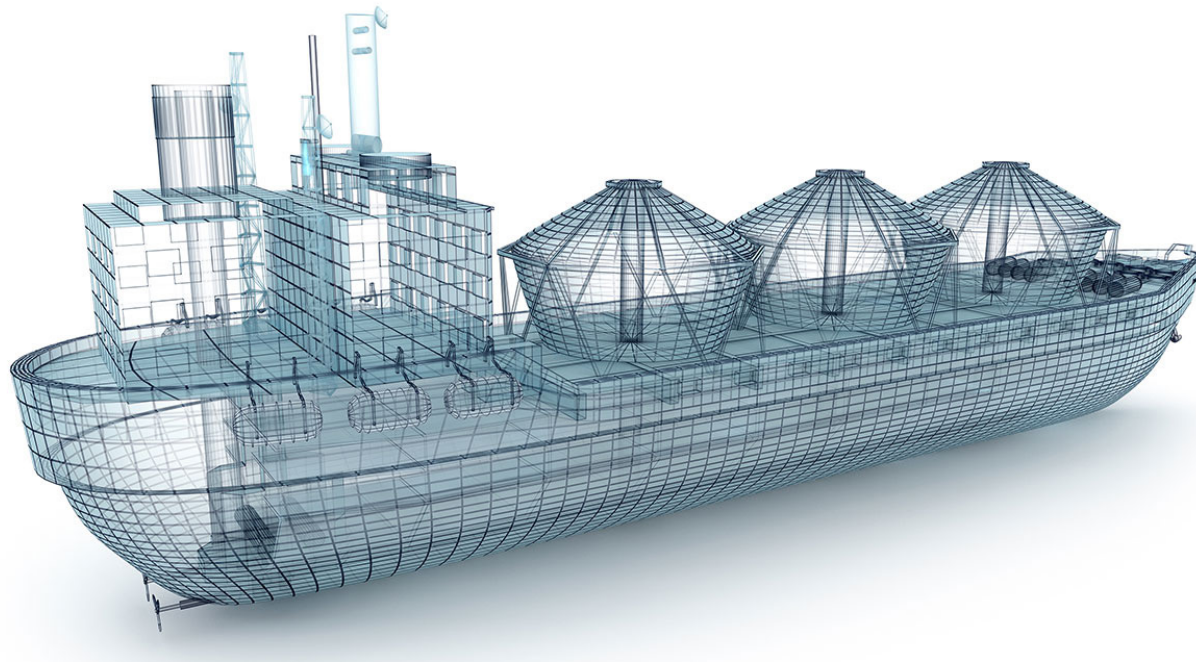
In this vertical we take pride as young and dynamic brains to put their thought in the designs. We liaise with the EPC Contractors and Construction/Ship Building Yards to help them with the conceptual designs during Tender stage, post signing of contract, the concept design is developed as basic and functional design for class endorsement. We also provide detail engineering services for our designs as well as existing designs for the yards.



Some of our previous designs are Pontoons, Barges, Oil Tanker conversions, Classing of Barge, Sand Barge Conversions etc.

BASIC/FUNCTIONAL STAGE DESIGN:

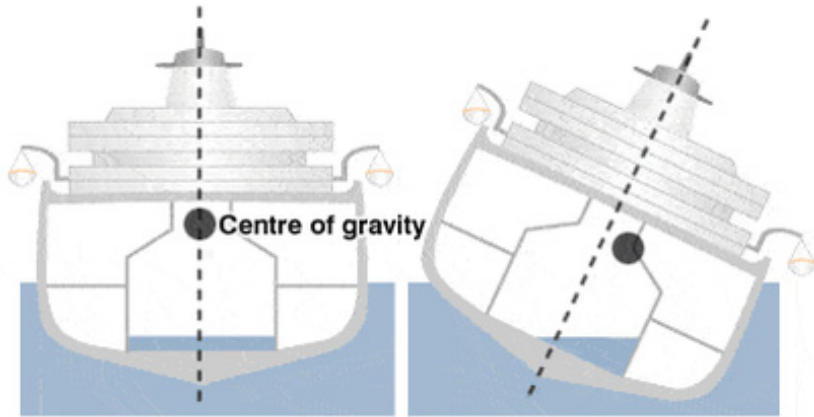
| | | |
|---|--|---|
| Technical Specifications, General Arrangement and Layouts | Stability calculations | Scantling Calculations and Structural Design as per Class |
| Statutory Plans as per Class and Flag Regulations | CFD Analysis, Resistance and Powering Calculations | Machinery & Piping System drawings |
| Flag Authority Plans & Documents | Navigation Plans & Safety Plans | Electrical Calculations and Drawings |



RE-DESIGN/MODIFICATION:

| | | |
|--|---|---|
| <p>Statutory plans like LSA, FFA, SSP</p> | <p>Vessel Flag Req - Crew Accommodation Plan, Load Line etc</p> | <p>Vessel re-classing and Certification</p> |
| <p>Technical Support & Liaison for class endorsement</p> | <p>Minor modification in vessel to suit owner requirements.</p> | <p>Stability and Structural Assessment for Deck Loading</p> |

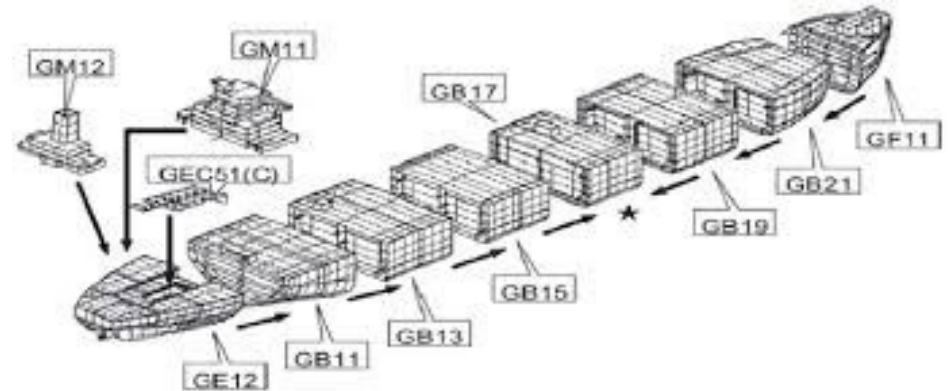
INCLINING EXPERIMENTS & STABILITY BOOKLET



We conduct inclining experiments as a turnkey solution by creating the setup at our own with required equipment, weights and manpower. In case of yard, these services are cut short to technical services only as the yard makes these arrangement/setup to conduct the Experiment.

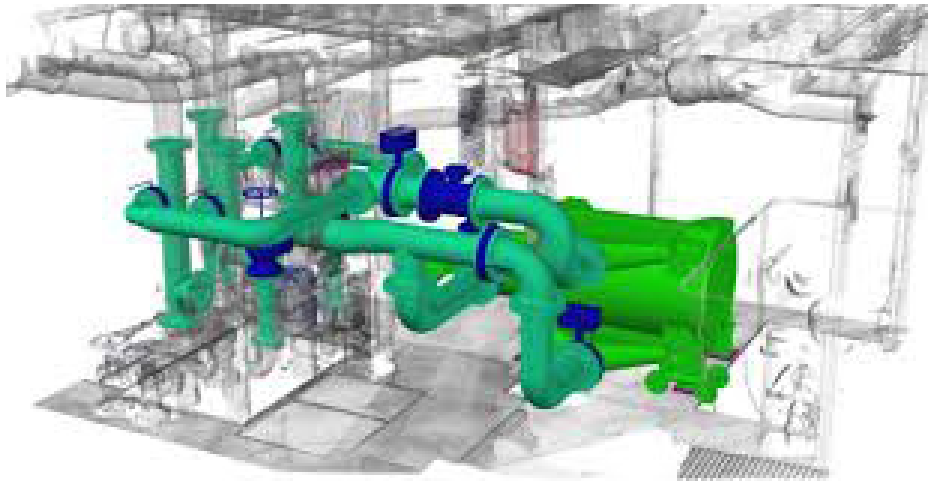
For any existing vessel, we prepare the stability booklets and get endorsed by class. In case of modification leading to major modification, we carry out draft survey or re-inclining of the vessel and prepare revised stability booklets.

DETAILED DESIGN & PRODUCTION:



| | | |
|---------------------------------|---------------------------------------|------------------------------------|
| Master Plan & Block Subdivision | Detail Drawings, BOM, Part & Assembly | Nesting Plans and Bending Profile |
| QAP, Method Statements, NDT | Technical Support & Site Supervision | Launch, Commission & Trial Support |

RETROFIT & REFURBISHMENT



In the ships which doesn't comply with IMO regulations due to the year of built but would require new fitments to comply with IMO Regulations are considered in this vertical.

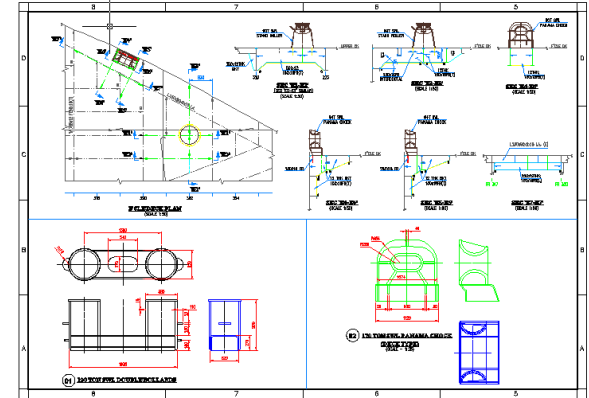
We provide complete technical solution for the installation of Scrubber and Ballast Water Treatment Solution from scratch like conducting of 3d Scanning, physical survey, feasibility studies, recommendation on equipment, construction drawings, 3- D model of layouts, site supervision, project Engineering and Management till commissioning of the system as on need basis of the client / owner.

In case of refurbishing of Barges, Ships or Offshore vessels, we provide a turnkey technical solution by preparing the required plans and drawings for class approval, re-stability of the vessel, site supervision, Project Engineering and Management, etc.

MOORING ARRANGEMENT AS PER PANAMA CANAL AUTHORITY/OCIMF GUIDELINES

We are pleased to announce that we assist owners and operators by assessing the existing arrangement of ships and identifying items required to be modified or/and added as well as preparing new mooring arrangement and designing relevant construction drawing.

We provide a turnkey technical solution by preparing the required plans and drawings for class approval, site supervision, Project Engineering and Management, etc.



MARINE CONSULTANCY

| | | |
|--|---|---|
| Marine Infrastructure Design and Consultancy | Project Management and Site Supervision | ManPower Consultancy to Marine Industry |
| Vessel Inspection and Surveys | Purchase/Rental Support | Tender Support |

Offshore Design & Analysis

| | | |
|---|--|--|
| Specifications Review/Data Sheet Review, Cost Estimate, MTO | Pipeline Design Criteria, Pipeline Design basis study, Pipeline Installation Procedures | Wall Thickness Calculation, Cathodic Protection analysis, Pipeline Walking Analysis |
| Span Analysis, Local Buckling Analysis, Expansion Analysis, Propagation Buckling Analysis | Pipeline Vertical Stability Analysis/Buoyancy Calculation, Pipeline On Bottom Stability Assessment | Pad eye Design Calculation & Analysis, Lifting Analysis & Mooring Analysis , Davit Design Calculation/Deflection check |

Offshore/Subsea/Marine Structure Design & Analysis

| | | |
|--|---|--|
| Structural Design and Analysis, Structural Design Basis Report, Overturning, In place Analysis Combinations, Sliding Check | Weight Control Analysis for Topsides modules and Jacket type structures | Navigational Requirements and channel approach Analysis |
| Met ocean Analysis Report as per Geotechnical Data | Availability and Uptime Calculation & Dredging Calculations | Cost estimate Plan- CAPEX & OPEX Berthing Analysis/Calculation for STS Transportation Analysis |

Certificate of Registration

This is to Certify that
Quality Management System of

BOATVIO MARINE PRIVATE LIMITED

REGD. ADDRESS: PRATIK GEMS EMARLAD -1103, SECTOR-35, KAMOTHE,
NAVI MUMBAI, RAIGAD – 410206, INDIA

OFFICE ADDRESS: 12/28, 2ND FLOOR, D1 BLOCK, CHINCHWAD MIDC,
PUNE, MAHARASHTRA -411019, INDIA

has been assessed and found to conform to the requirements of

ISO 9001:2015

for the following scope :

SHIP DESIGN & CONSULTANCY SERVICES, OFFSHORE DESIGN & CONSULTANCY
SERVICES, PROJECT MANAGEMENT SERVICES, MAN POWER CONSULTANCY, BALLAST
WATER AND RETROFIT SERVICES, OIL AND GAS CONSULTANCY SERVICE

| | | | |
|---------------------------|--------------|----------------|--------------|
| Certificate No | : 20EQBB70 | Issuance Date | : 31/07/2020 |
| Initial Registration Date | : 31/07/2020 | Date of Expiry | : 30/07/2023 |
| Date of Expiry | : 30/07/2023 | 1st Surve. Due | : 30/06/2021 |
| 1st Surve. Due | : 30/06/2021 | 2nd Surve. Due | : 30/06/2022 |



Demis...
Director

Magnitude Management Services Pvt. Ltd

403, Madhubhan Building, 56, Nehru Place, New Delhi-110019, India

e-mail: info@mmscertification.com, website: www.mmscertification.com

* Subject to Successful Surveillance Audit in case surveillance audit is not allowed to be conducted, this certificate shall be suspended/withdrawn.

Certificate Verification: Please Re-check the validity of certificate at <http://www.mmscertification.com/clients.aspx> or www.mmscertification.com at Active Clients.
Certificate is the property of Magnitude Management Services Pvt. Ltd. and shall be returned immediately when demanded.

Contact Us

www.boatvio.com

BOATVIO MARINE
SHIP DESIGN & CONSULTANCY



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