

NAVAI TECH MARINE

About us

NAVAI TECH MARINE is a leading Marine design and Engineering enterprises. It is headquartered in Chennai india.

Navai tech marine offers a full range of naval architecture, marine consultancy and design services to owners and shipyards .

Our services include Vessel Design, Construction Management, Production Engineering, Vessel Modifications & Upgrades and Marine Solutions.

Every project at NAVAI TECH MARINE is also guided by a full-capability Project Management Organization (PMOrg). This specialized team of project management professionals (PMPs) oversees your project's progress every step of the way, ensuring a high-quality and timely final product.

Operations' teams comprising of experienced Naval Architects/Engineers/Designers are responsible for project Deliveries and class approvals allover the world.



Our Services

We have successfully designed a variety of vessels taking account various constraints related to operations, the vessel dimensions and the water depth limitations that these vessels operate. These designs have been successfully used to build the vessels with considerable economy of the construction cost.

We offer Design services to Shipyards, Ship Owners and Fleet Managers extending to the following activities:

- Complete design of new vessels/Boats
- Modifications to vessels
- Ship Conversion Design
- Vessel Conversion
- Vessel documentation towards Class and flag requirements.
- Vessel Construction Supervision

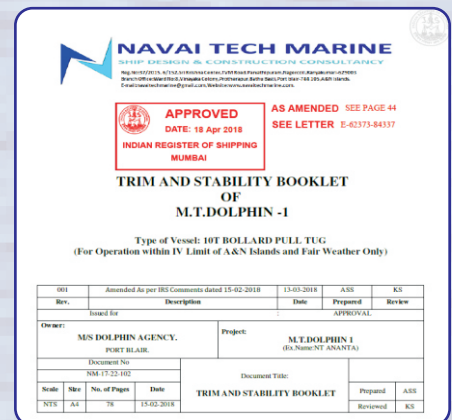


The design Services cover:

- Seagoing vessels
- River sea vessels
- Vessels operating in Inland Waters

Vessel documentation

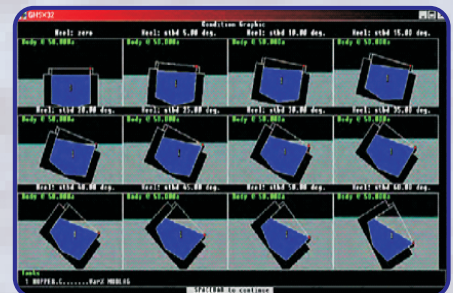
- Conducting Inclining Experiments/draft Surveys
- Intact & Damage stability booklets
- Loading Manuals
- Safety Plans
- Cargo Securing Plans
- Ballast Water Management Manuals
- Tank Sounding/Ullage Tables considering Heel/Trim corrections
- These computations are done in line with Class requirements and Class approvals are obtained



Domain Knowledge

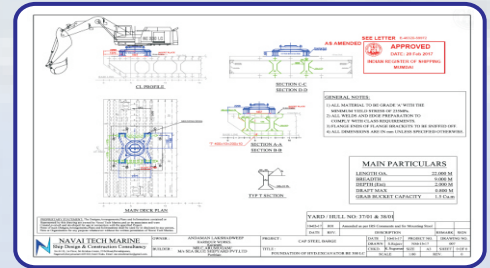
Naval Architecture

- Hull Form, with CFD study
- Hullform Optimisation Motion Analysis
- Speed Prediction & Propeller Design
- Seakeeping & maneuvering
- Space arrangements
- Design for Loadline compliance (Freeboard/Bow Height)
- Design for watertight integrity & subdivision
- Intact & Damage Stability compliance
- Weight & COG determination/Monitoring



Structural Engineering

- Structural Design & Arrangements
- Scantling calculations as per class rules
- Longitudinal & Transverse Strength Analysis
- Direct Analysis using Finite Element Techniques
- Analysis of Foundations / Crane Pedestals and other structures
- Hull Fatigue Analysis



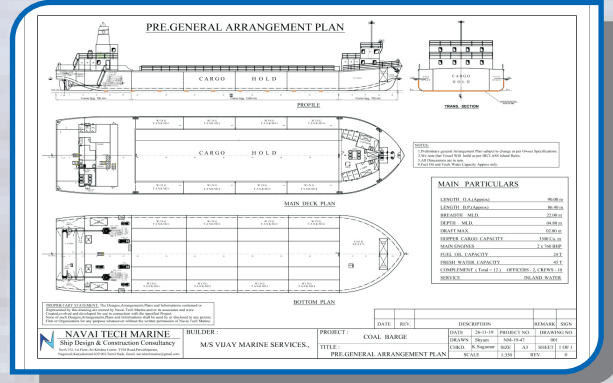
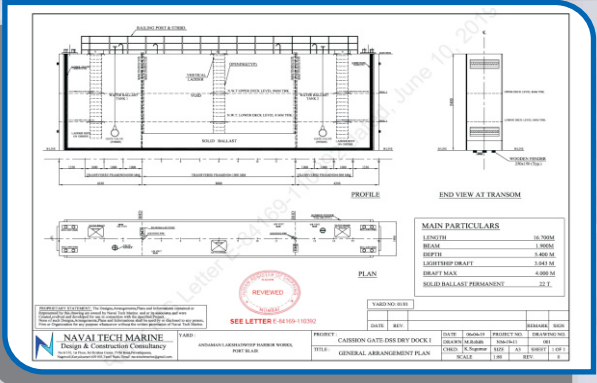
Regulatory Compliances

- Class Rule compliance
- SOLAS compliance
- MARPOL compliance
- IMDG compliance
- IBC code compliance
- Flag compliances – USCG & other Flag authorities



Projects

- Conversion of 350 pax MS Class Passenger vessel
- Conversion of 10T Bollard Pull Tug
- New Design of 22m Crane Barge
- New design of Caission Dock gates for ALHW
- New Design of Split tank Hopper barge
- New Design of 5000T Coal barge
- New design of 85 pax Inland Passenger Vessel
- New design of 55 Pax Aluminium Passenger Vessel
- New Design of Aluminium passenger Open Boats
- New Design of FRP boats



Our Clients



**Andaman Lakhadweep
Harbour Works**



Indian Coast Guard



IRCLASS



Nasmat Al Rayan LLC, Oman



Seablue Shipyard Pvt Ltd



Green Ocean Seaways Pvt Ltd



Port Management Board, Portblair



Mak Logistics Pvt Ltd

- Sheba Marine Engg. Pvt Ltd. Puducherry
- BNT Craft Pvt Ltd., Puducherry
- SL Marine Boat Yard, Portblair

- M.A Marine, Portblair
- A.R Marine, Portblair
- SB Fiber Works, Portblair



NAVAI TECH MARINE

Corporate Office :

No.333/12, Galaxy Apartment, 12th Main Road,
Anna Nagar, Chennai - 600040.

Email : info@navaitechmarine.com,
navaitechmarine@gmail.com

Website : www.navaitechmarine.com

Branch Office

- ★ Portblair
- Andaman & Nicobar Islands
- ★ Kanyakumari
- ★ Mumbai

Ph : 044 - 26160484, Cell : +91 9943622887, 9994926484