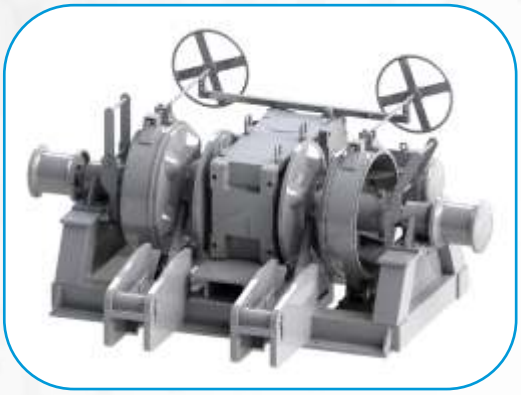
BHAWANI ENGINEERING WORKS

(A company certified as ISO 9001-2008)

Manufacturer of Class Approved Marine Deck Equipment

A Company Owned and Managed By Qualified Marine & Mechanical Engineers



About Us

- We are manufacturer of class approved marine deck equipment having more then 25 years of experience across manufacturing and repairs. For over 25 years we have provided the maritime and offshore industry with innovative engineering solutions with respect to deck equipment and machineries. In the 21st century we continue our partnership with the marine and offshore industry by focusing on market-driven business solution for ship owners, terminal operators, shipbuilders and the offshore industry.

- Our products are fundamental element of Deck and out fitting equipment, where dependability and safety are essential. We have the technology and the resources to support the ongoing development of marine & offshore deck equipment and machineries solution to improve safety and functionality.

Winches : Electrical, Electro-Hydralic, VFD Control & Diesel hydraulic.

Combination Windlass and Winches : Stud link chains de-clutchable as per requirement rope drum divided into working part and storage part, De-clutchable drum with spindle band brake and warping head fixed on the main shaft designed with fully or partially enclosed gear.

Windlasses : Electrical, Electro-Hydraulic & Diesel hydraulic.

Davits : Single arm, A frame type as per SOLAS and IMO. Manual, Electrical & Electro hydraulic with or without luffing.

Capstans : Electrical, Electro-hydraulic & Diesel Hydraulic.

Tugger Winches : Pneumatic for oilfield and shipping use.

Towing Hooks : Mechanical with remote releasing type, disc type and spring loaded.

Towing Bracket, Chain Stopper : Mechanical

Rudder Stock Assembly : Upto 250 mm dia.

Values

Our Mission

To manufacture and provide ship owners, shipyards and offshore customers with optimized design-solution of deck equipment and machineries. The innovative design and functionality of our solutions combined with our service will contribute to the safety, performance and cost efficiency of our customers vessels or offshore installations.

Our Vision

To be the first choice for ship owners, shipbuilders and the offshore industry. Bhawani Engineering Works continues to develop environment friendly Cranes, Davits, Winches, Windlasses and other Deck Fittings, adapting customers requirements with optimized design and robust for operation even in adverse climatic conditions.

Customer First

Quality

Improvement

Communication

Our Product Portfolio

Winches with or without VFD Controls:

BEWs broad ranges of winches with user-friendly designs.

A wide range of optional includes : wire spooling, grooved drums, variable winch speed, emergency lowering / release, control system and wire guide system. The equipment can be delivered as separate units/system or integrated in other total system.

Winches from BEW can be designed to comply with any classification rules and standards.

As winches are equipped with hydraulic and electric motors, all necessary wiring system, power pack and control system are delivered as a complete package.

Air Tugger winches with Planetary and normal gear box for marine and oil field use.

Winch with VFD controls

Winch

New Design with Helical and Planetary Gears :

Advantages of the helical and Planetary gears over spur gears.

- **Silent operation:** In a helical gear train, the teeth engage a little at a time rather than the entire face at once. This causes less noisy power transfer in case of helical gears.
- **Non-parallel shaft:** Helical gears can be used for transferring power between non parallel shafts. Though you have to compromise on efficiency in this case.
- **Strength:** For same tooth size (module) and equivalent width, helical gears can handle more load than spur gears because the helical gear tooth is effectively larger since it is diagonally positioned.
- **Compact design:** It requires less deck space for installation.
- **Safety Margins:** Safety margins are better in Helical & Planetary Gears.

Winch

Combination Winch

Combination Winch-Windlass

Application:

Mooring, Towing, Anchor Handling, Slipway, Tugger

Our Product Portfolio

Windlass:

BEWs broad ranges of windlass with user-friendly designs.

Bhawani Engineering Works manufacture and supply a broad range of Electric / Electro-Hydraulic windlass and related components including chain-lock to meet all the requirements of offshore, marine and ship building industry. Windlass can be delivered in standard version or tailor made to the customers.

Combination Windlass-Winch

Winches from BEW can be designed to comply with any classification rules and standards. The standard design is based on extensive marine maintenance and operational experience.

As winches are equipped with hydraulic and electric motors, all necessary wiring system, power pack and control system are delivered as a complete package.

Hydraulic Anchor Mooring Winch

New Design with Helical and Planetary Gears :

Advantages of the helical and Planetary gears over spur gears.

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Windlass with Helical Gear Box

- **Strength:** For same tooth size (module) and equivalent width, helical gears can handle more load than spur gears because the helical gear tooth is effectively larger since it is diagonally positioned.
- **Compact design:** It requires less deck space for installation.
- **Safety Margins:** Safety margins are better in Helical & Planetary Gears.

Application:

Mooring, Towing, Anchor Handling, Slipway, Tugger

Our Product Portfolio

Capstan / Tugger Winch

BEWs Capstan / Tugger Winch is available in electro-hydraulic, electro-mechanical and self contained design. The design is robust & solid and components are chosen for a long life even in the hostile marine environment. The standard range covers capacities from 5 tones to 20 tonnes line pull. As standard, capstan is controlled locally.

A portable electric remote - control unit is available as an option. All capstan movement are smooth, reversable and fast with variable/stepless speed control.

Electrical Capstan Winch

Electrical Capstan Winch

Supply of Re-built & New Air Tugger Winch

Tow Hook

BEWs Tow Hook is available in robust and solid design. The components are chosen to withstand in the most hostile marine environment. The standard range covers capacities from 5 tonnes to 50 tonnes line pull.

Rescue Davit System

BEWs broad ranges of Davits with user and eco-friendly design.

BEWs wide range of rescue equipment contains rescue boat and davits to launch and recovery of fast rescue boats, MOB boats, workboats, daughter craft and rescue rafts from ships and offshore platforms. The equipment are self-contained and extremely reliable. Rescue boat davit system includes many types of single point rescue davits. All rescue equipment are designed and built to fulfill latest SOLAS/IMO and class requirements.

As standard, BEWs rescue davits are delivered as self contained units containing fully integrated electro-mechanical power units. This simplifies installation on the vessel, reduces installation time & cost and minimizes the risk of system failure and oil pollution.

Rescue and Boat Davit (Range 0.8 ton to 3.5 tons at desired radius)

A Frame Davit

A Frame Davit

Single Arm Davit

Single Arm Davit

General Purpose Crane

Handle your spares and provisions in a safe and reliable way

BEWs GP electro-hydraulic or electro-mechanical cranes are self contained all-purpose cranes.

Our design is robust & solid and components are chosen for a long life even in most hostile marine environment. The standard range covers capacities from 1 tonnes to 5 tonnes with outreach radius upto 6m. As standard, a GP crane is controlled from a platform.

A portable electric remote-control unit is available as an option. All crane movement are smooth and fast with steepless speed control.

Our Other Product

- Rudder Stock Assembly (upto 250mm Dia)

Rudder Stock Assembly

- Fairleads, Panama Chokes, Bollard & Other Deck Fittings
- Vertical / Horizontal Roller Fairleads
- Stern Rollers
- Anchor Buoys / Marker Buoys

Other Deck Fittings

Our Service Portfolio (OSP)

Operative & Maintenance Availability dedicated to Marine and Offshore Industries at MIDC, Mahape, New Mumbai, India.

BEW - OSP ambition is to ensure the operative & maintenance availability of offshore system and equipment to continue its operation up and running to its optimum efficiency.

Our service network is available at all major ports around the nation / globe (on demand). We are suppling original spare parts and repair services on a planned schedule, on demand or on emergency basis.

Dedicated Premises at Mahape

Winch for major repair

Mud Pump for repair

Onboard Equipment Trial

BEWs Onboard Care

Our advanced service programme offers different levels of service to suit individual needs in terms of operational safety and comfort.

On-demand Service and Testing Outfit

BEW nation-wide service stations solve the problems as they arise and helps to keep operations on-line. We also provide a comprehensive damage assessment and repair service.

Testing of Davit

Testing of Davit

Testing of Davit / Crane

Our Service Portfolio (OSP)

Planned Maintenance

BEWs planned maintenance concept rests on the solid foundation of BEWs nation-wide service network, allowing customer to plan their operating budget.

Documentation and training

The equipment are supplied with user manuals containing all information required for operation and maintenance. BEW also offers first-class, tailor-made training programmes for our customers operations and maintenance personnel.

After sales/service

Installation Assistance, Start-up and Commissioning Training, Practical and Theoretical Spare Parts Maintenance Programme Retrofitting and upgrades.

Our Major Customers

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