

mastocean

marine services & solutions



ABOUT US

At Marine Services & Solutions, we provide world-class maritime services designed to keep your fleet running at peak performance. With over 15 years of seafaring experience, our expert team delivers reliable solutions in ship machinery, deck equipment, bridge electronics, automation systems, and shipyard maintenance.

Our commitment is simple: minimizing downtime, maximizing safety, and ensuring your vessels remain fully operational at all times. By combining hands-on industry expertise with international service standards, we position ourselves as your trusted partner in every stage of vessel operation.

ENGINE SERVICES

We provide comprehensive engine maintenance, repair, and inspection solutions to keep your vessel operating at peak performance.

Our highly skilled engineers specialize in;

- **Main Engine**
- **Auxiliary Engine**
- **Boiler**
- **BWTS**
- **T/C**
- **Govarnor**
- **Scrubber EGCS**
- **Compressor**
- **A/C System,**
- **Seperator,**
- **S/G System,**
- **IGG System,**
- **Pumps,**
- **FWG System,**
- **Alpha-Lub**

Beyond routine repairs, we perform health checks, problem diagnosis, and tailored solutions for all types of marine engines.

Thanks to our wide global network, we can offer these services at many ports and shipyards worldwide, ensuring your vessel receives reliable support wherever it operates.

Our goal is simple: minimize downtime and maximize efficiency with fast, safe, and professional service.



DECK SERVICES

We provide comprehensive maintenance, repair, and inspection services for all deck machinery and cargo-handling systems. Our specialized support ensures safe and uninterrupted vessel operations across different ship types.

Bulk Carriers

- ***Hatch Covers & Tightness Tests:*** *Gasket renewal, hydraulic repair, and alignment*
- ***Deck Cranes & Grabs:*** *Overhaul, load testing, and wire rope replacement*
- ***Hydraulic Pipeline Systems:*** *Cleaning, flushing, leakage control, and pressure testing*

Tankers

- ***IGG (Inert Gas Generators) & ODME Systems:*** *Calibration, repair, and class-approved certification*
- ***Cargo Pumps & Framo Systems:*** *Inspection, seal replacement, and hydraulic maintenance*
- ***Deck Piping Systems:*** *Renewal, welding, and pressure testing for safe cargo operations*

Container Vessels

- ***Lashing Equipment & Fittings:*** *Inspection, replacement, and certification*
- ***Deck Cranes & Spreaders:*** *Structural checks, reconditioning, and load tests*
- ***Navigation Lights & Electrical Deck Systems:*** *Wiring, fault troubleshooting, and compliance checks*



Our Technical Support Includes:

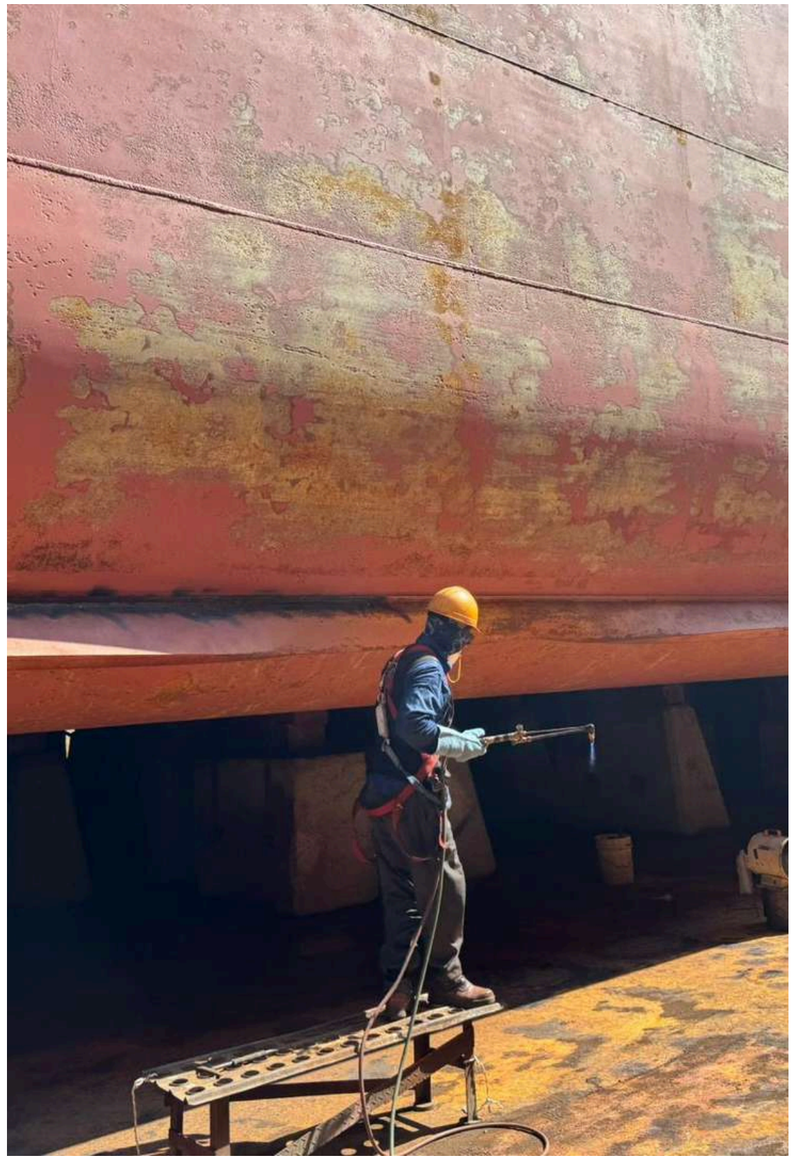
- Onboard & shipyard-based service teams available worldwide
- Health Checks to minimize downtime and prevent unexpected failures
- Emergency Repair Teams for urgent interventions
- Spare part supply and installation with fast delivery

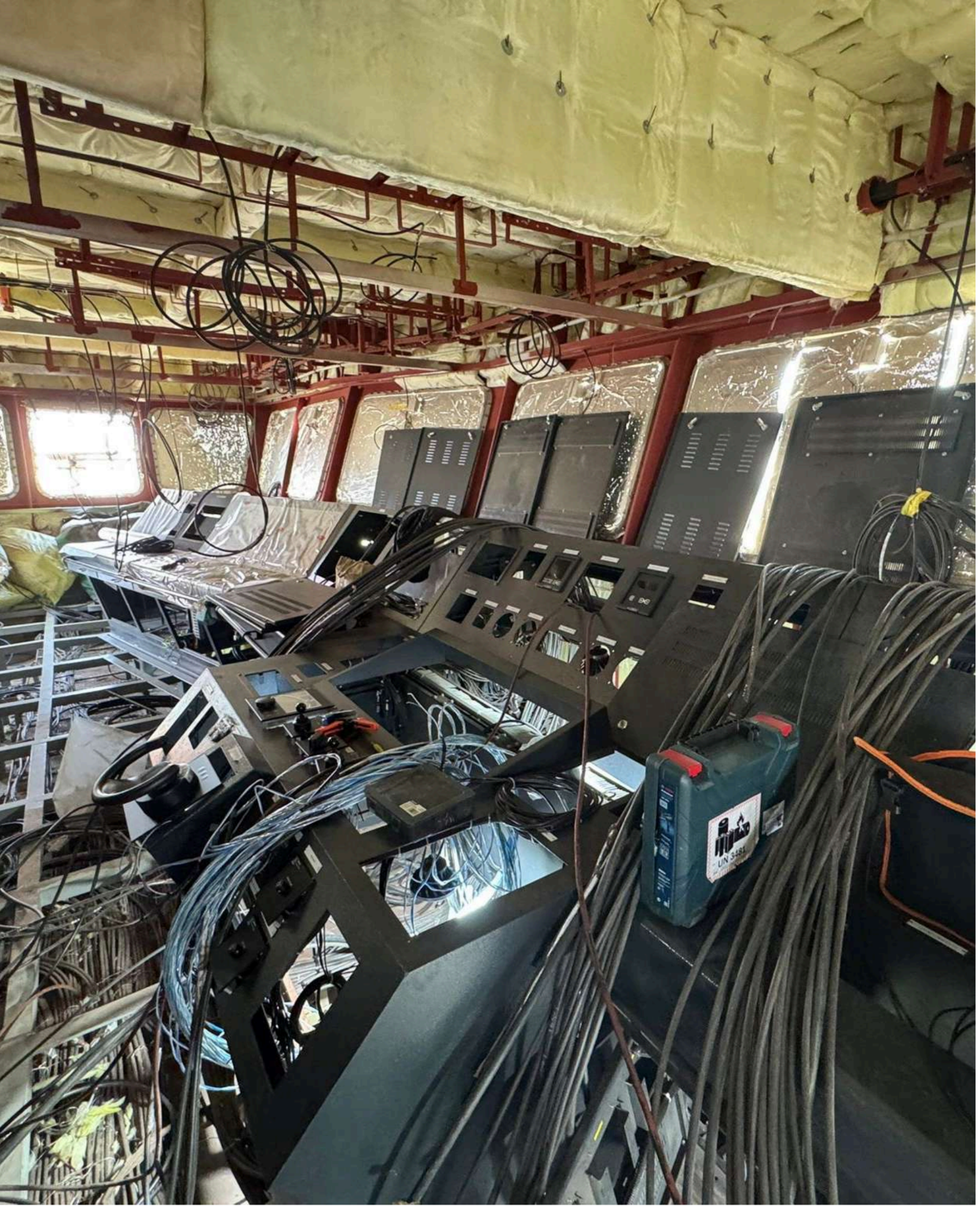
With our global service network, we can respond quickly in major ports and shipyards worldwide, keeping your deck systems safe, compliant, and reliable at all times.


mastocean




IMO:9438626
NO.:734092
NET:25282





BRIDGE EQUIPMENT SERVICES

We deliver full technical support for all navigation and communication systems onboard.

Our Expertise Covers:

- ***Navigation Systems:*** *Radar, ECDIS, AIS, GPS, Gyro & Repeaters, Magnetic Compass*
- ***Communication Systems:*** *MF/HF, Inmarsat, VSAT/FBB, Public Announcement, SSAS*
- ***Monitoring Systems:*** *VDR, Echo Sounder, Speed Log, NAVTEX, Anemometer*

Our Technical Support Includes:

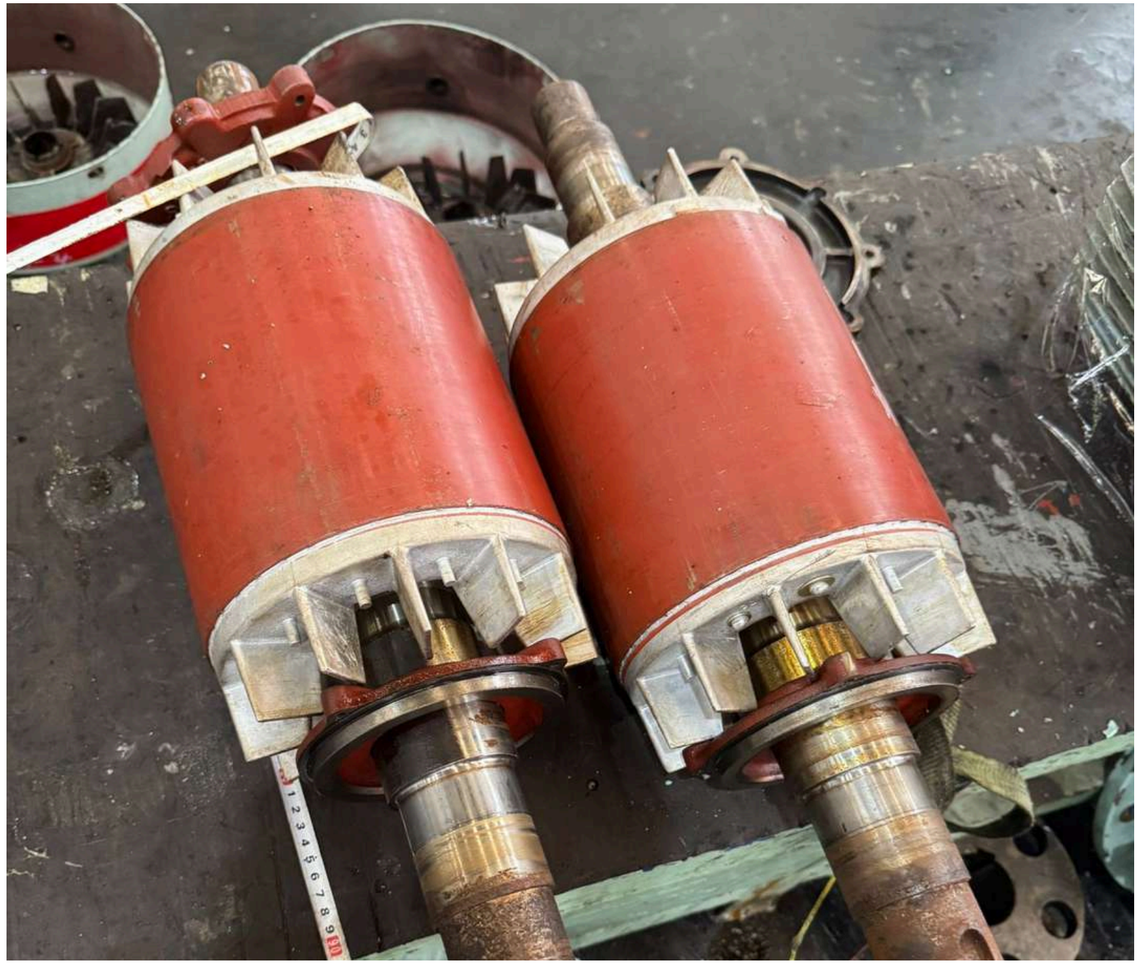
- Radio Surveys & Certifications in line with IMO and class requirements
- Calibration & Performance Tests for radar, gyro, and ECDIS systems
- Fault Diagnosis & Troubleshooting with rapid spare part supply
- Preventive Maintenance to minimize failure risks
- Health Checks & Remote Assistance available 24/7
- Supply Digital Publications

With our global network of engineers and certified partners, we can attend your vessel in many ports and shipyards worldwide, providing quick and reliable service wherever needed.
Your bridge is the heart of safe navigation — we keep it operational and compliant at all times.



AUTOMATION & ELECTRICAL SERVICES

We provide specialized technical support for automation and electrical systems, ensuring your vessel’s machinery and safety equipment operate with maximum reliability and compliance.



AUTOMATION & ELECTRICAL SERVICES

Our Expertise Covers:

- ***Fire Detection & Safety Systems:*** *Installation, calibration, loop testing, and troubleshooting of fire & smoke detectors*
- ***Boiler & IGG Automation:*** *Control panel inspections, pressure & temperature sensor calibration, safety interlock testing*
- ***Ballast Water Treatment Systems (BWTS):*** *Electrical control unit repairs, PLC programming, calibration, and performance tests*
- ***Lubrication Automation (Alpha-Lub):*** *Timing adjustment, control system fine-tuning, and troubleshooting*
- ***Tank Gauging & Gas Sampling Systems:*** *Calibration, sensor replacement, and interface testing*
- ***Pneumatic & Hydraulic Automation:*** *Solenoid valves, actuator inspections, and alarm integration*
- ***Water Mist & Safety Systems:*** *Nozzle inspection, pressure control, and automation panel troubleshooting*
- ***Alarm Monitoring & Control Systems:*** *Panel repairs, system integration, and class-approved testing*
- ***Variable Frequency Drives & Danfoss Systems:*** *Troubleshooting, parameter tuning, and power control optimization*

Our Technical Support Includes:

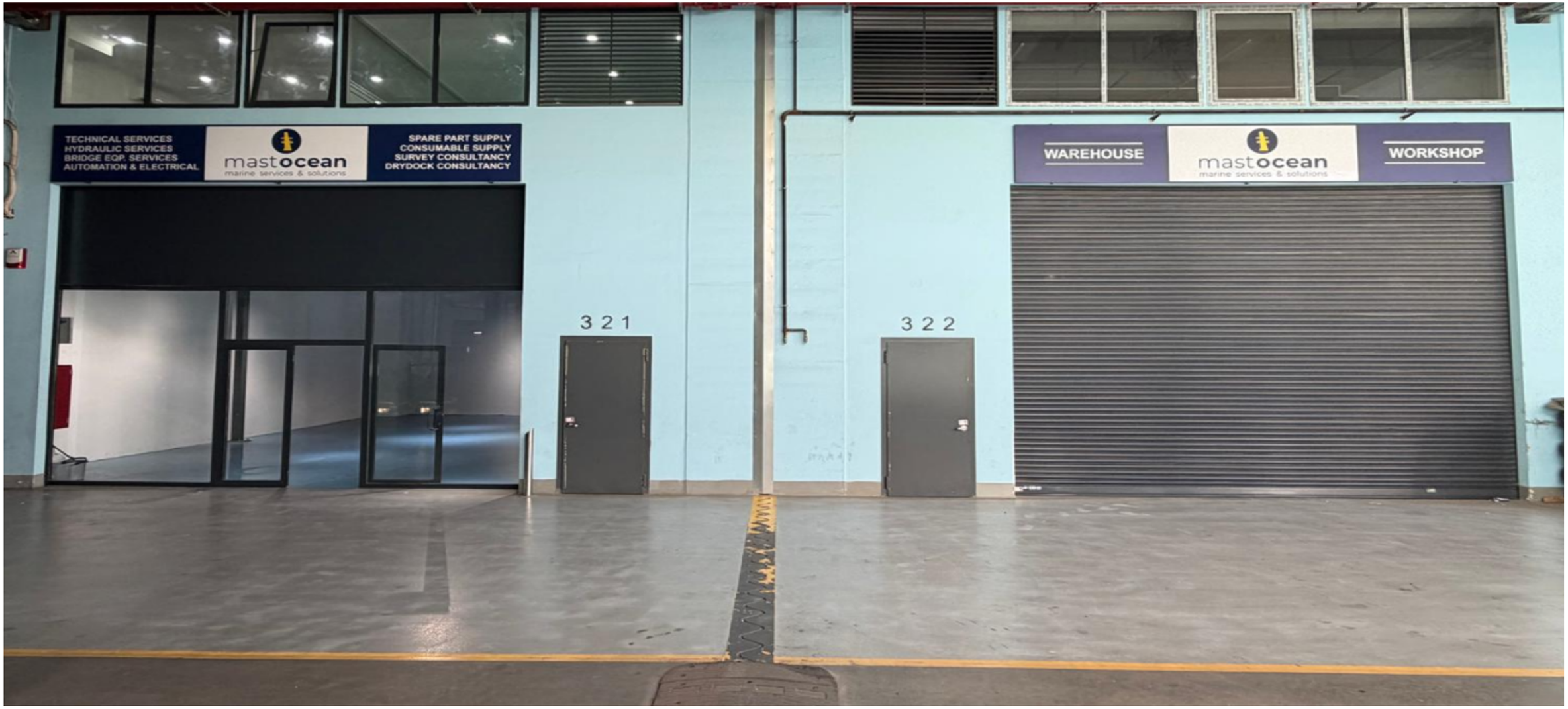
- *Calibration & Performance Testing with certified tools*
- *Control System Programming & PLC Adjustments*
- *Health Checks & Preventive Maintenance for automation networks*
- *Emergency Repairs with quick response teams worldwide*

24/7 Remote Technical Assistance for troubleshooting and guidance

By combining electrical, pneumatic, and automation expertise, we deliver reliable solutions that minimize downtime and ensure your vessel's systems remain fully operational.

WORKSHOP SERVICES

Our workshops are equipped with state-of-the-art tools and certified facilities, enabling us to provide advanced reconditioning, machining, and component overhaul services for all major ship machinery.



WORKSHOP SERVICES

Our Expertise Covers:

- ***Main & Auxiliary Engines (2-Stroke / 4-Stroke):*** *Cylinder head, liner, and piston reconditioning, Crankshaft polishing and alignment checks, Fuel pump & injector testing and calibration*
- ***Turbochargers (T/C):*** *Balancing, nozzle ring renewal, rotor repair, and re-blading*
- ***Govarnors:*** *Calibration, electronic/hydraulic adjustment, and reconditioning*
- ***Compressors:*** *Overhaul, pressure testing, and spare supply*
- ***Separators & Purifiers:*** *Bowl balancing, seal renewal, and spindle repair*
- ***Boiler Components:*** *Burner repair, tube renewal, automation control checks*
- ***Scrubber & EGCS Systems:*** *Fan reconditioning, pump overhauls, and sealing repairs*
- ***Ballast Water Treatment Systems (BWTS):*** *UV lamp renewal, filter cleaning, and automation service*
- ***IGG Systems:*** *Blower inspection, instrumentation calibration, and automation testing*
- ***Pumps & Freshwater Generators (FWG):*** *Shaft repair, impeller replacement, and performance tests*

Our Technical Support Includes:

- Reconditioning & Machining Services with class-certified workshop standards
- Dynamic Balancing & Alignment for rotating machinery
- Spare Part Manufacturing & Supply with OEM or equivalent quality
- Performance Testing & Quality Reports issued after every job
- Emergency Repair Capacity with quick turnaround in urgent cases

By combining precision machining, skilled workmanship, and class-approved standards, we ensure that all reconditioned parts and workshop services meet the highest level of reliability and durability.

SURVEYING SERVICES

We offer independent, reliable, and class-compliant surveying services to ensure your vessel's safety, operational efficiency, and regulatory compliance.

Our Expertise Covers:

Pre-Purchasing Inspections: *Comprehensive evaluation of hull, machinery, and equipment condition before acquisition*

Safety Inspections: *Verification of compliance with SOLAS, MARPOL, and ISM Code requirements*

ISM, ISPS & MLC Audits: *Documentation review, onboard inspection, and corrective action guidance*

UTM (Ultrasonic Thickness Measurement: *Hull, piping, and structural steel measurement using class-approved methods*

NDT (Non-Destructive Testing: *MPI, DPI, and radiographic inspections for welds, shafts, and critical components*

Underwater Surveys: *Hull inspection, propeller checks, and rudder examination performed by certified divers*

VGP analysis and ballast water testing (for vessels bound for the United States)



SURVEYING SERVICES

Flag State Consultancy & Endorsements

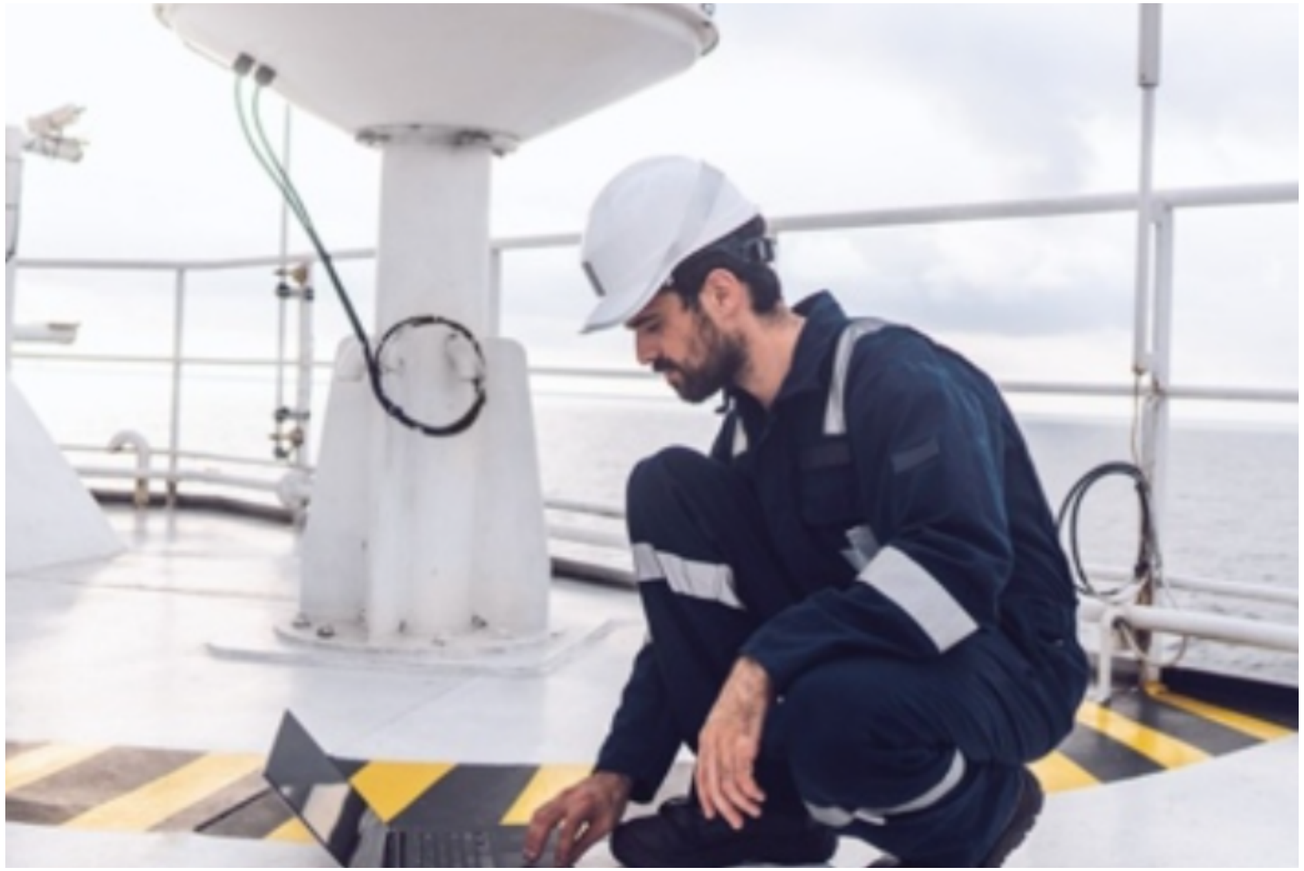
In addition to technical surveys, we provide Flag State consultancy services and support for endorsements.

We are authorized to offer assistance for seafarer documentation, compliance, and approvals under the following flags:
Liberia, Barbados, Belize, Gambia, Nauru, Panama, St. Kitts and Nevis, Palau

Our Technical Support Includes:

- Class and Flag Coordination with IACS societies and flag administrations
- Condition Assessment Reports with detailed photo and data records
- Failure Analysis & Root Cause Investigation for machinery and hull components
- 24/7 Survey Teams in major ports and shipyards worldwide

With our professional survey and consultancy network, we deliver not only technical assurance but also regulatory and flag compliance support, ensuring your vessel operates smoothly and lawfully across the globe.





DRYDOCK BROKERAGE & REPAIR

We provide shipyard brokerage, consultancy, and agency services through a strong network of shipyards in Europe, Asia, the Arabian Peninsula, and especially Turkey. With long-standing agreements and partnerships, we ensure your vessel receives the most suitable repair and docking solutions.

Experienced Technical Team

Our operations are led by a team of Marine Engineers and Naval Architects with years of hands-on experience in shipyard processes. From planning to delivery, our specialists supervise every stage of repair and dry docking, guaranteeing:

- Technical accuracy and compliance with class requirements
- Efficient scheduling and cost optimization
- Quality assurance through continuous monitoring
- Professional reporting and documentation

Our Expertise Covers:

Shipyard Brokerage: *Selecting the right yard based on technical scope and schedule*

Repair & Dry Docking Supervision: *Onsite monitoring, troubleshooting, and quality control*

Consultancy Services: *Cost evaluation, contract negotiation, and project planning*

Agency Services: *Crew changes, logistics, documentation, and full port support*

DRYDOCK BROKERAGE & REPAIR



Why Choose Us?

- Established agreements with leading shipyards worldwide
- Backed by experienced Marine Engineers and Naval Architects
- Transparent cost control and strong technical supervision
- Global agency support during yard periods

With our professional expertise and international yard network, we make sure your vessel’s docking and repair projects are delivered on time, within budget, and to the highest technical standards

SPARE PART SUPPLY

We provide a wide range of spare parts for main and auxiliary machinery, electrical systems, and safety equipment. With our extensive supply network, we deliver OEM and high-quality OEM-equivalent spares to meet your vessel's needs on time and within budget.

Our Expertise Covers:

Main & Auxiliary Engine Spares: *Cylinder heads, liners, pistons, crankshafts, fuel pumps, injectors*

Turbocharger Components: *Rotors, nozzle rings, bearings, sealing kits*

Boiler & IGG Systems: *Burners, tubes, automation parts, and safety valves*

Pumps & Compressors: *Complete units, shafts, impellers, gaskets, and seals*

Electrical & Automation Systems: *PLC modules, sensors, actuators, and calibration tools*

Safety & Fire-Fighting Systems: *Detection sensors, extinguishing nozzles, alarm panels*

Our Supply Network:

- Strategic stock points in Europe, Asia, and Turkey
- Fast logistics and customs support for urgent spare deliveries
- Guaranteed traceability with manufacturer certificates and test reports
- Global coverage with deliveries arranged to major ports and shipyards worldwide

SPARE PART SUPPLY



Why Choose Us?

- Direct access to OEM and class-approved suppliers
- Competitive prices with full transparency
- Rapid response for critical spare requirements
- Warranty and after-sales support on supplied parts

By combining global reach with technical expertise, we ensure that your vessel always has access to the right spare parts quickly, reliably, and with guaranteed quality**.**

SPARE PART SUPPLY

Main Engine: 2 Stroke – 4 Stroke MAN B&W, Wartsila, MAK, Yanmar, Hyundai, Mitsubishi, Sulzer

Auxiliary Engine: MAN, Hyundai–Himsen, Volvo Penta, Yanmar, Daihatsu, Caterpillar, Cummins

T/C: ABB, KBB, MAN, Mitsubishi

Compressor: JP Sauser & Sohn, Tanebe, Sperre, Yanmar, Hatlapa, Atlas Copco, Tamrotor

BWTS: Alfa Laval, Erma First, Cyeco, Pact Marine, Compact Clean Desmi, Hyundai HiBallast, Wartsila BWMS, Samsung Purimar, Purestream BWTS, Optimarin Ballast System

Boiler: Aalborg, Kangrim, Osaka, Saacke, Greens, Miura

Separator: Alfa Laval, Mitsubishi, Westfalia, Wartsila, Teco, Daihatsu, CSIC

Govarnor: Woodward, Heinzmann, Yanmar, Bosch, Kiki

IGG System: Alfa Laval, HHI, Kangrim, Wilhelmsen, Sunflame

Fire Alarm System: Consilium, Autronica, Tyco, Siemens, Bosch Systems, Apollo Fire

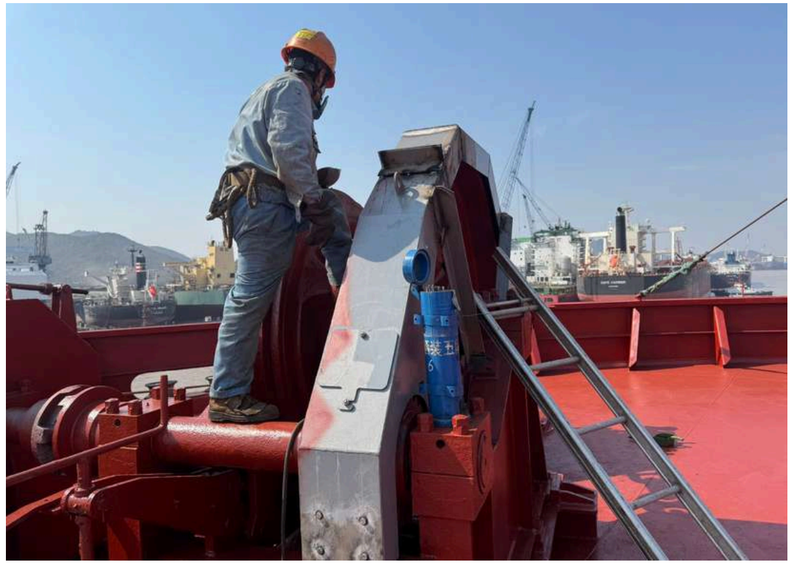
Pumps: Taiko Kikai, Desmi, Naniwa, Azcue Pumps, Hamworthy, Framo, Iron

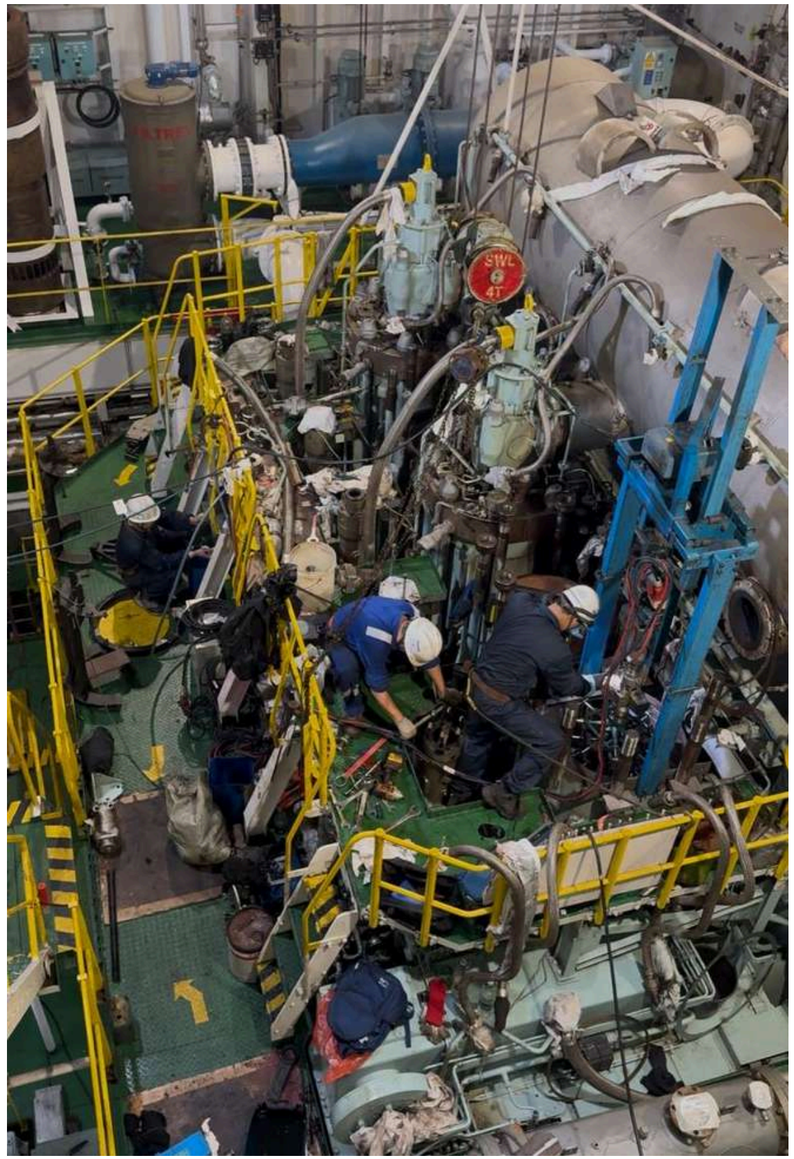
FWG Systems: Alfa Laval, Atlas, Donghwa Entec, Sasakura, Fountom Marine

Alarm Monitoring System: Kongsberg, Samsung, Memac, Terasaki, Lynsgo, Praxis, Aconis, Siemens








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Thank You.