

MIS

MARINE AND INDUSTRIAL SOLUTIONS LLC



OUR SERVICES

- ✓ ELECTRICAL
- ✓ FABRICATION
- ✓ MECHANICAL
- ✓ MACHINE SHOP
- ✓ HYDRAULICS
- ✓ NAVIGATION & COMMUNICATION
- ✓ SPARES & SUPPLY
- ✓ AUTOMATION
- ✓ HVAC & REFRIGERATION
- ✓ LSA / FEA
- ✓ GOVERNORS, FUEL PUMP AND INJECTORS



A One Stop Solution to ALL Marine Problems
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MIS MARINE & INDUSTRIAL SOLUTIONS LLC

ABOUT OUR COMPANY

WE ARE A DUBAI BASED MARINE SOLUTIONS COMPANY PROVIDING A WIDE RANGE OF QUALITY MARITIME SERVICES FOR EACH PHASE OF A PROJECT, FROM DESIGN TO EXECUTION.

Since 2015, We, at Marine and Industrial Solutions LLC based out of Dubai Maritime City and with branches in Bahrain and India are one of the major ship repairing companies, led under the strong leadership of our owner and MD, Mr. Farzuk Kazi, a competent and ex-sailing Marine Engineer who is supported by Marine Engineers in the top management and with Engineers and skilled staff from various departments and experience carrying out troubleshooting, repairs, overhaul and retrofits in Electrical, Power management, Automation, Motors, Mechanical, Engines, Governors, Fuel pumps, Injectors, HVAC, Fabrication, Carpentry and plumbing works and LSA/FFA. We are dedicated to:

- ✓ Manufacture quality goods and serve our customers with the best services in order to achieve highest customer satisfaction.
- ✓ Continuous improvement, innovation and up-gradation of our machines, tools and skill by adapting the latest technology available in the area of our work to be the reasonable and accurate.
- ✓ Provide effective, efficient & prompt service striving to achieve customer satisfaction by delivering quality products "on-time, every time.
- ✓ We follow strictly to our Quality Management Systems.
- ✓ Work together with our employees and customer to fulfill our organization and social goal.

FOUNDER OF MIS

MARINE AND INDUSTRIAL SOLUTIONS LLC (MIS) IS PROUD OF ITS 13 YEARS OF EXPERTIES AND VARIED EXPRIENCE ACROSS VARIOUS SECTORS. THE COMPANY HAS GROWN FROM ITS FOUNDATIONS.

VISION

To Be A One Stop Service Provider For All Marine Service To Be The Preferred Marine Services Provider Continually Enhancing The Value We Deliver Through Sustainable Business Practices, Ambitious Innovative Solutions And High-end Performance Services.

MISSION

To Provide Complete Ship Repair Solutions Using Proper Mix Of Latest Technology And Our Experience To Achieve Total Customer Satisfaction, Our Mission Is To Provide The Solutions That Clients Require To Accomplish Their Objectives In Today's Business Environment. we Have An Absolute Commitment To Client Satisfaction While Offering An Expansive Selection Of Professional And Management Services. Our Success Is Based On The Success And Satisfaction Of Our Clients. Our Objective Is To Build Long-term Client Relationships Based On Our Technical Acumen, And Solid Performance While Obtaining Mutual Trust And Respect.

HYDRAULICS

Marine and Industrial Solutions, an ISO 9001:2015, ISO 45001:2018, is the leading hydraulic service provider in UAE, Bahrain, and India with the broadest range of Hydraulics Service Supply chain for Marine, Oil & Gas, Industrial, Construction, and Automobile Industries.

We specialize in :

- Designing & retrofit of new hydraulic system.
- Troubleshooting and repairs of hydraulic crane systems. (Liebherr, McGregor, IHI to name a few)
- Health check of hydraulic cranes onboard.
- Maintenance of Grabs.
- Overhauling of hydraulic motors, pumps, and power pack units.
- Maintenance of Windlass and Winches
- Steering gear hydraulic system.
- Hydraulic remote valve system.
- Servicing of hydraulic ram cylinders including their piston rod chroming and machining. Liner honing is carried out using special tools. We have special beds for stability and alignment.
- Overhauling and repairs of all types of hydraulic brakes and clutches used as units of various types of machinery.



Recently concluded projects for our esteemed clients

- Complete overhauling of 4 cargo cranes including changing of pedestal bearings and overhauling of all hydraulic motors and power pack.
- Complete retrofit of VRCS system with replacement of LPO with in-house developed limit switch system with power pack.
- Complete hydraulic system installation for the newly installed diving system.

Our state-of-the-art test bench is capable of testing equipment upto 600 bar at various RPM.

MIS MARINE & INDUSTRIAL SOLUTIONS LLC

FABRICATION

We at MIS have a complete in-house steel fabrication team comprising of Graduate Engineers from Marine Fabrication and have experience of working with various yards wherein new construction, repairs, conversion, and modification projects have been handled by them. We also have a dedicated yard for fabrication jobs in Al Sajja UAE.

Our technicians are well trained with hands-on experience on various projects. All our welders are certified by the Indian Register of Shipping and can execute all types of welding.



We undertake complete pre-docking lay-up jobs where steel in tanks above water levels and on deck is attended, including all outfitting and pipe-line jobs. Hatch cover repairs in situ and on skids as required.

All types of hydraulic pipeline fabrication are done followed by chemical flushing and pickling as required.



We have successfully executed many BWTS projects with various makers like Alfa Laval, Desmi, Techross, Sunrui, Optimarine, and Ecomarine

Conversion of Offshore Support Vessel to Diving Support vessel conversions including the addition of pontoons. Installation and commissioning of FiFi 3 systems including engine pump assembly, piping, and sprinkler systems.



MIS MARINE & INDUSTRIAL SOLUTIONS LLC



Steel underwater repairs during docking include repairs on Rudder spade, Skeg steel, curved plates on slamming zones, Kort nozzle repairs, removal, and renewal of drain plugs, forward stem renewal, and renewal of anchor chain missing stud pieces. Stub piece renewal of body valves on the shell.

Thruster tunnel steel repairs with rolled steel during docking operations.

Fabrication of crane structures for ships and workshops.



Fabrication of all types of manholes with covers, reducers, and Air vent repairs.

Renewal of anodes in ballast tanks and on the hull during docking operation.

FEW OF OUR RECENT SUCCESSFULLY CONCLUDED PROJECTS

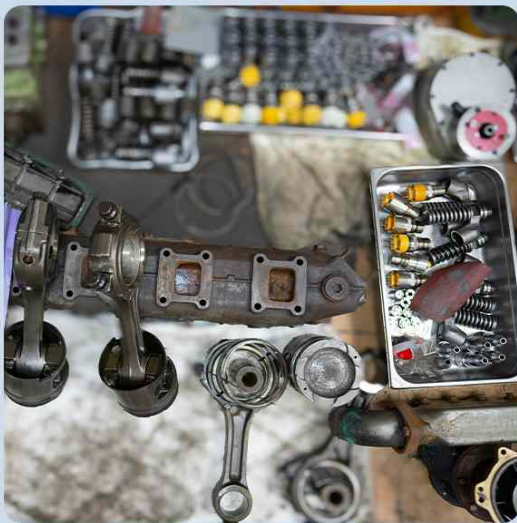
- ✓ Ballast water management systems installed.
 - a) Alfa Laval, Pure Ballast 3.2 750 Ex, TRC – 750 m³/hr – 4 Projects.
 - b) DESMI Ocean Guard, Compact Clean, TRC – 2500 m³/hr – 3 Projects.
 - c) Techross, Electro-Clean, TRC – 900 m³/hr. – 5 projects.
 - d) Ocean Guard, HMT – 1500 Ex X 2, TRC- 1950 m³/hr – 2 Projects.
 - e) SunRui BalClor BC – 3000 x1, TRC – 3000 m³/hr – 2 Projects.
 - f) Hyundai Hi Ballast NF 1500Ex, TRC – 1500 m³/hr – 3 Projects.
- ✓ Complete pre-docking steel renewals for many of our esteemed clients.
- ✓ Major side shell repairs were done onboard GESCO vessels at Fujairah anchorage (completed as per class requirements)

MIS MARINE & INDUSTRIAL SOLUTIONS LLC

MECHANICAL

ENGINES

High / Medium / Low RPM (2-4-stroke engine) : We have carried out major and minor overhauls of almost all makes of 2-4-stroke engines. Job scope not limited to



- Overhauling of Exhaust Valves
- Cylinder head overhauling and machining
- Complete piston overhaul and pressure testing
- Cylinder liner calibration and renewal
- Overhauling of Safety relief and Air Starting Valves
- Connecting rod bearing inspection, calibration, and renewal.
- Crankshaft Main bearing inspection, calibration, and renewal
- Crosshead bearing inspection, calibration, and renewal.
- Overhauling of associated accessories and fitting such as Fuel Pumps, Fuel Valves, and coolers

ET (Electronic Testing/Diagnosis of CAT engines)

MAJOR BRANDS OF ENGINES ATTENDED.

- MAN B&W (MC/ME): OVERHAULING DONE OF VARIOUS MODELS UP TO 90MC
- SULZER RTA/RTFLEX
- WARTSILA SULZER
- CATERPILLAR
- DAIHATSU
- CUMMINS DIESEL
- MTU
- VOLVO PENTA
- YANMAR

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OUR MECHANICAL TEAM ALSO ATTENDS TO VARIOUS WORKS ON THE SHIPS. FEW OF THEM AS BELOW

- All types of pumps like seawater, fresh water, fuel oil, and transfer, stripping pumps, cargo oil pumps, turbine type pumps.
- Cleaning of various coolers and heaters both shell & tube and plate type. Removal, cleaning, and repairs including changing of tube stack, intermediate gasket renewal, and renewal of plates and gaskets. Pressure testing of shell and tube sides. In situ cleaning of plate-type cooler using chemical flushing and back flushing.
- Complete overhaul and repairs of keel coolers during docking.
- Complete overhauling of anchor windlass including renewal of bearings and fabrication of brake bands. Mooring winch and roller overhauling.
- Overhauling of Air compressors of all brands.
- Complete overhauling of fuel and Oil purifiers.
- During docking complete removal of rudder and propeller, draw out of shafting, clearance recording, bush renewal at A bracket, inner and outer seal renewal. Rudder integrity check
- Complete overhauling of Thruster units of ALL makes Bow thrusters, Stern Thrusters, and Propulsion Thrusters, including polishing of blades and zero settings.
- Steering system overhaul including renewal of bushes and seals as applicable.
- Boiler and mounting repairs.
- Air Receiver overhauling includes cleaning and mounting overhaul, testing, and setting relief valves.



MIS MARINE & INDUSTRIAL SOLUTIONS LLC

GOVERNOR AND FUEL PUMP

Comprehensive test, service & repair solution on all types of diesel fuel systems. Developing in the diesel system industry by John Diesel since 1979.

Fuel system on all medium to high speed engines. Services and Calibration as per manufacturers specifications or customer requirement.

Fuel Injectors & Valves

Our workshop boasts its capabilities of providing a complete overhauling solution.

- ✔ Seat cutting, Lapping for any size of injector or valve
- ✔ Pressure setting
- ✔ Unit Injector overhauls
- ✔ Electronic Unit Injector overhauls



Fuel system on all medium to high speed engines

In addition to our experience in the diesel system industry, our comprehensive workshop allows us to provide overhauling for fuel systems fitting on almost all engines with high power ratings.

- ✔ Complete dismantling with inspection report
- ✔ Complete assembly with test report
- ✔ Onboard Removal/Installation fuel timing adjustments and sea trials
- ✔ All services provided as per manufacturers specifications

Governor

Certified technicians and our state-of-the-art facility has proven to be our competitive advantage. Our test benches provide calibration exactly as per manufacturers specifications.

Additionally we provide:

- ✔ Onboard Tuning and Rack synchronization
- ✔ Onboard troubleshooting
- ✔ Correct fault identification

MIS MARINE & INDUSTRIAL SOLUTIONS LLC

ELECTRICAL

At Marine & Industrial Solutions, we take pride in being a leading provider of comprehensive electrical services for the marine and industrial sectors in the UAE!

Our Electrical services:

- Repairs of all electrical equipment onboard merchant ships.
- Maintenance and rewinding of HT motors.
- Maintenance and rewinding of LT motors.
- Maintenance and rewinding of Alternators.
- Maintenance and rewinding of DC motors.
- Transformer repairs.



We are equipped with the most advanced equipment like:

- CO2 cleaning machine for in-situ cleaning of alternators and motors.
- Laser alignment of equipment.
- Dynamic balancing machine of 8-tonne capacity
- Surge comparison testing
- Core tester
- TAN DELTA and Capacitance analysis.
- DC winding resistance
- Vibration measurement and spectrum analysis.
- Largest backing oven in the vicinity

MIS MARINE & INDUSTRIAL SOLUTIONS LLC

As part of our specialized services, we offer motor overhaul and rewinding, catering to both high-tension (HT) and low-tension (LT) motors. Our skilled technicians meticulously assess motor performance, carry out repairs, and perform rewinding when necessary. By maximizing motor lifespan and minimizing unexpected breakdowns, we help clients maintain smooth motor operations. We boast of having the best testing equipment and facility available locally in UAE, India, and Bahrain.



At Marine & Industrial Solutions, we are dedicated to delivering exceptional electrical services with a focus on competency and quality. By choosing us as your electrical service provider, you can expect reliable solutions that optimize performance, minimize downtime, and ensure the smooth operation of your marine and industrial electrical systems. Trust us to meet all your electrical service needs in the UAE.

MIS MARINE & INDUSTRIAL SOLUTIONS LLC

AUTOMATION

Marine & Industrial Solutions excels in providing top-notch automation services for marine and industrial sectors in the UAE!

ALARM & MONITORING SYSTEMS

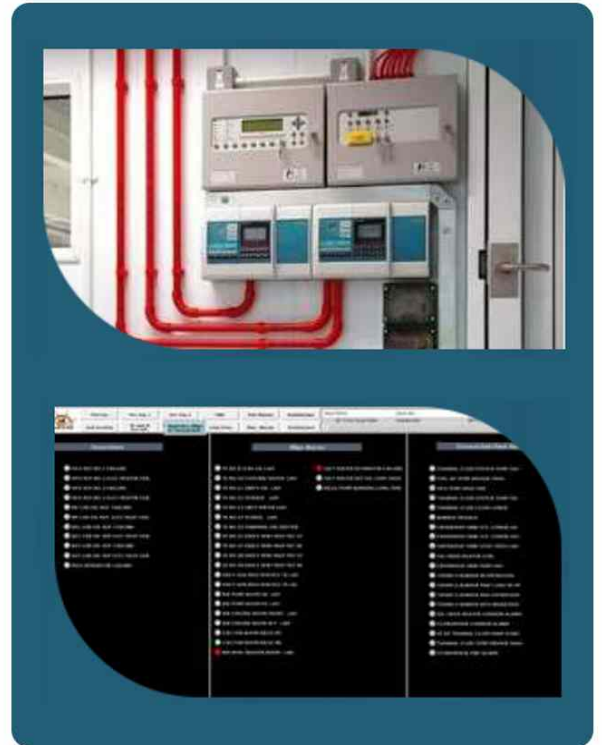
Our expertise in alarm and monitoring systems ensures the safety and security of your operations. We provide installation, maintenance, and repair services for efficient monitoring of critical processes.

POWER MANAGEMENT SYSTEM

We provide reliable power management solutions, optimizing energy usage and ensuring uninterrupted power supply. Our team specializes in designing and implementing efficient power management systems tailored to your specific needs.

BOILER AND IGG

We undertake troubleshooting, repairs, and retrofit for Boilers, Incinerators, and Inert Gas Generators automation and safety systems.



PLC AND SCADA DESIGNING

We are dedicated to transforming industrial processes through cutting-edge PLC and SCADA designing services. With a focus on tailored solutions, reliability, and innovation, we help businesses achieve their automation goals and stay competitive in a dynamic marketplace. Partner with us to embark on a journey towards streamlined, efficient, and future-ready industrial automation.

FIRE ALARM CONTROL SYSTEM

Protecting lives and property is our priority. We offer comprehensive solutions for fire alarm control systems, including installation, testing, and maintenance to ensure early detection and rapid response.

CUSTOMIZED POWER AND CONTROLS PANELS

We design and fabricate customized power and controls panels tailored to your specific requirements. Our solutions are engineered to optimize performance, safety, and reliability.

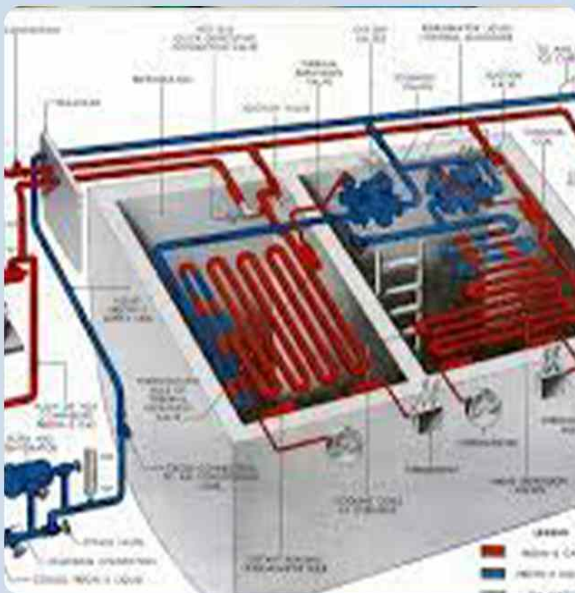


MIS MARINE & INDUSTRIAL SOLUTIONS LLC

HVAC

The HVAC department of Marine and Industrial Solutions provides complete service to the Marine, Oil & Gas, Industrial, and commercial Air conditioning and Refrigeration sectors. We support our clients with the best possible options as per their needs and requirements, enabling them to decide on cost-effective and environmentally friendly solutions that comply with the required norms.

Our dedicated team caters to a wide range of brands such as Bitzer, Carrier, York, Daikin, Trane, Sabroe, Mitsubishi, Marine Air, and Century being few.



We have a group of highly skilled specialists in the region and will give you excellent service in all air conditioning repairs. Excellent service in the core areas like marine a/c installation is guaranteed by our extensive inventory of parts and equipment.

We also offer a wide range of maintenance packages to suit your needs. Whether you need a one-time service or a regular maintenance package, we have got you covered.

We have successfully carried out gas conversion projects for many of our clients for various capacity HVAC plants installed onboard vessels to meet the class and environment requirements.

MIS MARINE & INDUSTRIAL SOLUTIONS LLC

LSA / FFA

We at MIS specialize in FFA & LSA inspection and new supply, as required by SOLAS, Flag regulations, and Class requirements!

Life-saving appliances are mandatory as per Chapter 3 of the SOLAS convention the number and type of life-saving appliances differ from vessel to vessel and the code gives a minimum requirement to comply in order to make a ship seaworthy. We at MIS specialize in FFA & LSA inspection and new supply, as required by SOLAS, Flag regulations, and Class requirements, approved by class: BV, IRS. and Panama Flag Authorities We are authorized by: Jiangyin Woo long FRP Boats; Qingdao Beihai Boat Building; Jiangbo, Global Yangin; Almar.



DAVIT/CRANE LOADT TEST

FREE FALL LIFEBOAT INSPECTION AND TESTING

IMMERSION SUIT, EEBD, SCBA INSPECTION

LIFEBOAT REPAIRS

LIFEBUOY SUPPLIES

ALL TYPES OF FIXED & PORTABLE FIRE EXTINGUISHERS

LIFE-RAFT SERVICE

HOOK INSPECTION AND TESTING

HYPERMIST/SPRINKLER/FOAM SYSTEM

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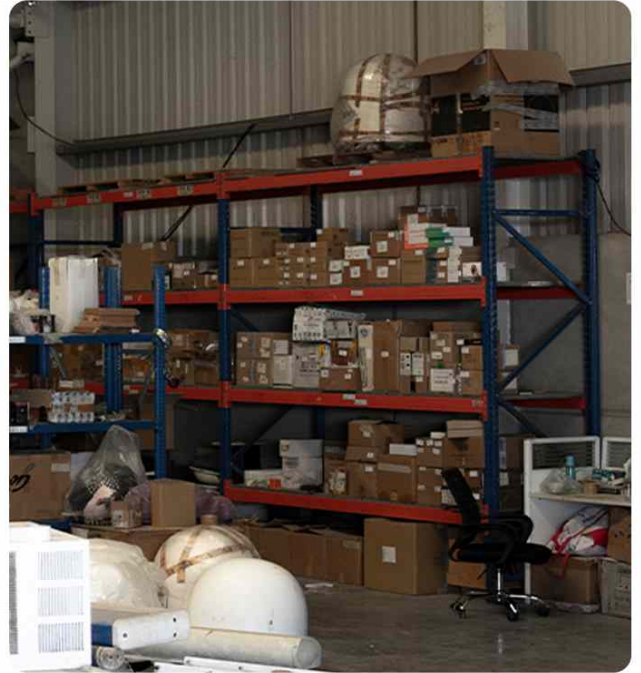


MIS MARINE & INDUSTRIAL SOLUTIONS LLC

SUPPLY

MIS fully understands how critical it is for running a safe ship. Our staff include Marine engineers and mechanical engineers, all with rich experience in concerned sectors of ship building, operation and maintenance, repairs.

All our products are from reliable partners, most of them are from famous makers with long time cooperation and testified by our customers in the past. This thus guarantees us swift response, top quality, and reasonable prices.



We supply Genuine/ High Quality OEM/ High quality after-market spares and machinery assemblies listed yet not limited to:

- ✓ Diesel Engine Parts
- ✓ Air Compressor, Air Conditioning Parts
- ✓ Oil Separator Spares
- ✓ Governor Parts
- ✓ Waste Water Systems
- ✓ Gas And Fire Detection
- ✓ Galley Equipment
- ✓ Oil Mist Detection
- ✓ Electric Motors
- ✓ Pump Parts
- ✓ Filters & Elements
- ✓ Marine Boiler Spares
- ✓ Heat-exchangers! Boiler Repair
- ✓ Electrical Equipment / Automation
- ✓ Stern Tube Seals
- ✓ Lashing Equipment

MIS MARINE & INDUSTRIAL SOLUTIONS LLC

DOCKING LAYUP

We at Marine and Industrial Solutions provide a One Stop Solution to the Marine Industry wherein we have and arrange for Dry Docking and Pre Docking layup and repairs, including upgrade and conversion turnkey projects. Docking Facilities are available in Dubai Maritime City and lay up berths available in Port Khalid Sharjah, Dubai Maritime City Dubai, Port of Fujarah, Port of Khorfakkan.

We are strategically located to meet the needs of the vessel and provide economical and reliable services to the vessel and client. All specialized services and equipment are made available as and when required.



Our expert team of Marine Engineers and Experienced Marine Supervisors are available round the clock at the service of the client irrespective of any Port or anchorage in UAE, GCC, and India.

Our teams specialize in Pre-Docking/Afloat troubleshooting and repairs of steel fabrication, piping renewal, hydraulic repairs, electrical and automation, HVAC, mechanical, and engines. These works help our clients to reduce docking time and costs.





MIS MARINE AND INDUSTRIAL SOLUTIONS LLC



CONTACT US TO LEARN WHAT WE CAN SPECIFICALLY DO FOR YOUR PROJECT.

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