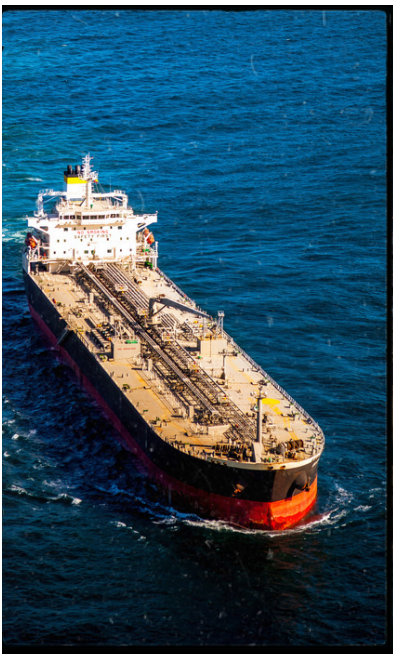
Sustainable Operations

Supply, Service, Maintenance
Digitalisation & Decarbonisation







Marine **Oil & Gas** **Industrial**

A professional supplier and service provider for
Electrical, Mechanical, Instrumentation, Automation & Safety

Bahrain | K.S.A | U.A.E | India | Malaysia

3lionsgroup.com

Integrated Services Elevating Efficiency and Reliability

We offer a variety of services associated with its products and systems.Main engine overhauls.Propulsion system overhauls and repairs. Repairs of Deck Machineries such as Capstans, Winches and Cranes Servicing of hydraulic and pneumatic equipment. Renewal of pipings Servicing of air conditioning and refrigeration systems. Repair of navigational equipment, electrical, electronic, instrumentation and control Systems.



Your Complete Solution Provider for Marine Maintenance and Repairs

Sectors

Marine

Offshore

Industrial

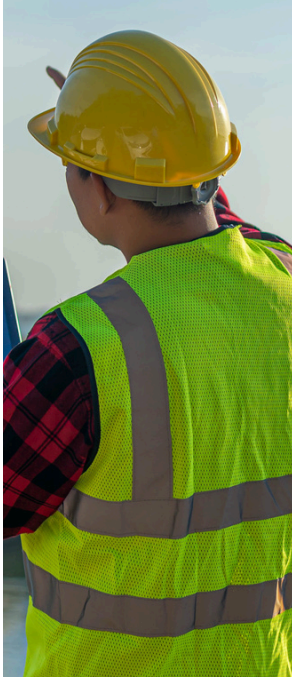
Products & Services

- **Condition Monitoring**
- **Emission control devices**
- **Predictive & Preventive maintenance**
- **On demand spares & inventory management**
- **Safety, Fire & Gas**
- **Automation & Controls**
- **Calibrations**
- **Electrical & Instrumentation Systems**
- **Communication Systems**
- **Surveys and Monitoring**

Aligning with your Decarbonisation Goals

With a steadfast commitment to environmental stewardship and employee well-being, we integrate cutting-edge technologies and best practices into our services to mitigate carbon emissions and enhance safety standards. Our decarbonisation solutions not only reduce environmental impact but also contribute to sustainable operations in line with our company's broader decarbonisation goals.





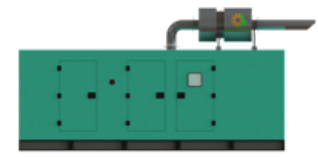
We strive not only to meet industry standards but to set new benchmarks for excellence in sustainability and safety.

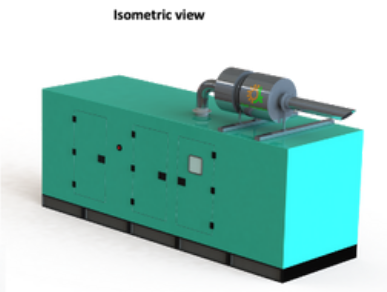
Emission Control

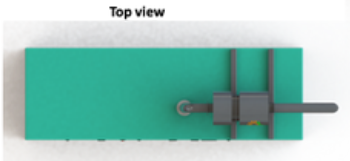
Emission reduction system using RECD (Retrofit Emission Control Devices specifically designed for Marine Diesel engines. It reduces particulate matter (PM), Carbon monoxide(CO), Hydrocarbons (HC), Sulphur Oxide (Sox) and Nitrogen Oxides (NoX) emissions from the diesel exhaust at its source, without causing any adverse impact on the engine.

There are four stages of filtration in the system.

- Desulfurization Stage
- Oxidation Stage
- Regenerative stage
- NOx reduction







Predictive & Preventive Maintenance with Digitalisation



Our vision is to redefine the standards of asset management by seamlessly integrating cutting-edge sensor technology and IoT platforms. With a relentless commitment to innovation, we empower industries to anticipate and address maintenance needs before they escalate, optimizing efficiency and minimizing downtime. From predictive analytics to proactive interventions, we deliver comprehensive solutions tailored to the unique demands of each client.

we are shaping a future where reliability, sustainability, and operational excellence converge seamlessly



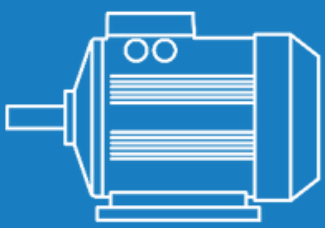
Reactive to Predictive
Machine health insights that allow you to schedule maintenance in advance.



Minimize Risk
Reduce spare part inventory & unplanned downtime, maximizing machine lifespan



Reduced Op Costs
Inefficient equipment consumes more energy and increases carbon emissions



PREDICTIVE MAINTENANCE THROUGH DIGITALISATION CAN HELP ACHIEVE NET-ZERO EMISSION GOAL

Preventing even a 5% increase in energy consumption for 2 months can save

- **$1000/machine/year**
- **120 Tons Carbon Emissions**

Our Esteemed Clients

We take immense pride in our partnerships with our esteemed clients who have entrusted us with their most critical projects.























We invite you to envision the possibilities that await when you join forces with us. Together, let's embark on a journey of innovation and excellence, where your aspirations become our achievements

Three Lions Group is an ISO 9001:2015, 14001:2015 & 45001:2018 certified company that is a major support service provider in the Marine, Oil & Gas, Industrial and Power sector.

Experience
Over 20 years of expertise in Marine, Oil & Gas, and energy sectors across 4 nations

Services
Providing ship repairs, maintenance, complete overhauling and decarbonization

Technology
Specializing in IoT & AI solutions for building connected vessels and platforms in Marine and Oil & Gas, alongside industrial automation solutions.

Spares & Inventory
Offering a comprehensive spares & inventory management solution linked to our AI-based predictive maintenance model

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Electrical, Mechanical, Instrumentation, Automation & Safety

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