

Services in the Middle East



Wärtsilä Services in Middle East



Our services offering in the Middle East covers the whole installation from spare parts, maintenance, technical support, upgrades, to retrofits and full service lifecycle solutions. We aim to optimise performance, ensure environmental efficiency and prevent problems before they happen.

We serve you through our global network in the Marine, Energy and Oil & Gas industries whenever, wherever.

Our purpose is to enable sustainable societies with smart technology. There are three key ingredients of industry transformation that help us achieve this: clean environment, energy intelligence, and market shaping & innovation. These are also at the heart of our services. By enabling our customers to harness the opportunities generated by the changing market landscape, our services help optimise their operations and support their business growth.



CLEAN ENVIRONMENT

A future without emissions or pollution



ENERGY INTELLIGENCE

An optimised way of producing and using energy



MARKET SHAPING & INNOVATION

A union of new technology and business models



We have a state-of-the-art workshop with a floor area close to 10,000 m², 15 meters tall and equipped with seven overhead cranes with maximum capacities of 2x30 tons. The facility covers servicing and overhauling of 2-and 4-stroke engines of all makes, turbochargers, governors, propulsions systems, control and electrical systems, and reconditioning components.



Wärtsilä Dubai Expertise Centre

Wärtsilä Dubai Expertise Centre guarantees top technical assistance through the Wärtsilä remote monitoring and Operator's Interface systems, which provide prompt support on predictive services, operational services and emergency services to energy and marine customers. It provides real time support, thus ensuring reliable operations, increased revenue potential, and transparency.

Lifecycle Solutions

Wärtsilä Lifecycle solutions enhance asset performance and help business growth. Our sustainable partnership extends the lifetime of your installation, improves efficiency and reduces expenses.

We utilise digital innovations and advanced data analytics to create a holistic approach that goes beyond maintenance and servicing. We offer increased competitiveness in your daily operations thanks to real-time optimisation, as well as improved asset and business availability and predictability.

We ensure the safety of your operations and provide instant support whenever and wherever needed.

With our customised agreements, you can choose from different levels of partnership.

Marine and Oil & Gas solution agreements

- Guaranteed asset performance
- Optimised operations
- Optimised maintenance.

Energy solutions agreements

- Operation and maintenance
- Guaranteed asset performance
- Optimised maintenance
- Maintenance management and operational advisory
- Expertise centres and remote monitoring systems.





Our Services

Engine Services

We provide complete global services and parts for 4-stroke and 2-stroke engines and related systems.

- Maintenance and Spare parts
- Technical Support and Field services
- Workshop services
- Upgrades and retrofits
- Emergency repairs
- Fuel conversions
- Governor services
- Performance optimisation

We provide OEM parts and service for Wärtsilä, Wärtsilä Diesel, Bolnes, Crepelle, Deutz marine engines, GMT, Nohab Diesel, Poyaud, SACM, Sulzer, Stork SW Diesel, and Wichmann.

Turbocharger Services

A well-maintained turbocharger ensures maximum fuel efficiency and prevents unexpected operational costs.

Our services include:

- Maintenance
- Spare parts
- Workshop and on-site maintenance services
- Upgrades
- Performance optimisation.

Propulsion Services

No matter what kind of vessels or platforms a client operates, or where they are located, Wärtsilä provides the parts, repairs, maintenance and modernization solutions to keep propulsion systems running powerfully and efficiently, regardless of product make.

- Maintenance and Spare parts
- Field services
- Propulsion upgrades
- Flying squad repairs
- Propeller underwater repairs in accordance with ISO class standards
- Workshop services
- Upgrades and retrofits
- Propulsion Condition Monitoring Service (PCMS)
- Energy saving solutions
- Pump services
- Wärtsilä EnergoFlow and Wärtsilä EnergoProFin
- New propeller design



Underwater Services

Underwater services with Trident, a Wärtsilä company, minimise vessel downtime and off-hire by enabling work to be performed underwater during port calls instead of in dry dock.

Our services include maintenance and repair of:

- Machinery and equipment
- Propeller systems
- Shaft sealing systems
- Hulls.

Electrical & Automation Services

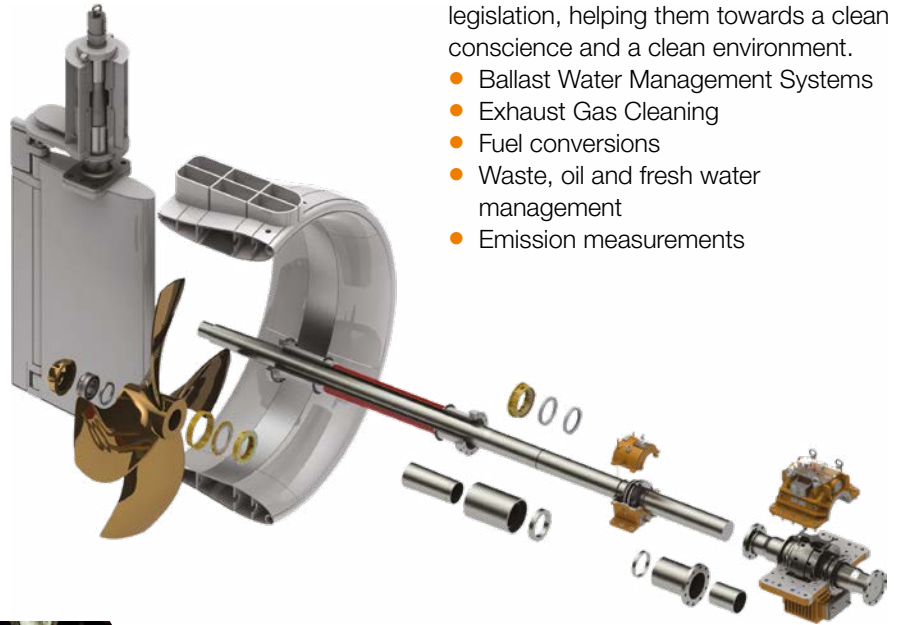
We provide upgrades, modernisation and integrated solutions and lifecycle support for all types of electrical and automation systems in marine, offshore and power plant installations.

- PPM monitors
- Fire alarm systems
- Gas detection systems
- Main switchboards and thermographic surveys
- Alarm monitoring systems
- PLC based systems
- Boiler controls and I.G. system
- In-situ dry ice cleaning of alternators
- Pump room systems including AUS
- 2-stroke main engines pneumatic control systems
- Various engine room and deck machinery related automation work
- Wärtsilä Dynamic Positions Systems supply, installation, commissioning and service of DP1, DP2 and DP3
- Wärtsilä Navigation and Communication Systems – supply, spares, installation and service
- Wärtsilä FUNA Entertainment Systems for cruise ships and theme parks
- Whessoe – tank gauging systems
- Obsolescence management

Seals and Bearings Services

We provide integrated seals and bearings systems, packages and products that are reliable and environmentally sustainable.

- Products and Spare parts
- Sterntube and shaft line packages
- Upgrades and retrofits
- In-water serviceable seals (IWSS)
- Composite water lubricated bearings
- White metal bearing



- Range of shaft coupling, hydraulic bolts & nuts for complete shaft line integration
- Alignment and measuring services
- Oil to water conversions
- Wärtsilä Sea-Master system.

Environmental Services

We have developed a broad range of specialised and proven environmental products. We provide our customers with the tools for enabling compliance with both current and future environmental legislation, helping them towards a clean conscience and a clean environment.

- Ballast Water Management Systems
- Exhaust Gas Cleaning
- Fuel conversions
- Waste, oil and fresh water management
- Emission measurements





Training Services

Global training solutions provided by the Wärtsilä Land & Sea Academy (WLSA) optimise the safety, availability, reliability and performance of your power or marine installation.

Our services include:

- Wärtsilä product training
- Plant operations
- Training agreements
- On-board and on-site training.

Eniram Solutions

Real-time data collection and analysis enables better efficiency and performance.

Eniram – a Wärtsilä Company, provides the maritime industry with energy management technology to reduce fuel consumption and emissions. Our solutions range from single onboard

applications to comprehensive fleet analysis. The solutions are used by small and large shipping companies on ships ranging from cruise liners, tankers, and LNG carriers, to container ships, bulkers and ferries.

Our services include:

- Optimal trim and speed
- Route performance
- Engine performance
- Hull and propeller performance
- Commercial management optimisation.

QuantiServ

A new brand name QuantiServ has been established under the umbrella of Wärtsilä. QuantiServ offers specialised, fast and reliable support, maintenance and repair services for customers operating equipment by multiple brands.

- Reconditioning services
- In-situ machining services including metal stitching
- Mobile teams for auxiliary and gen-set overhaul services during vessel' voyage
- Metal stitching and specialised welding
- Epoxy resins
- Dry-docking support.

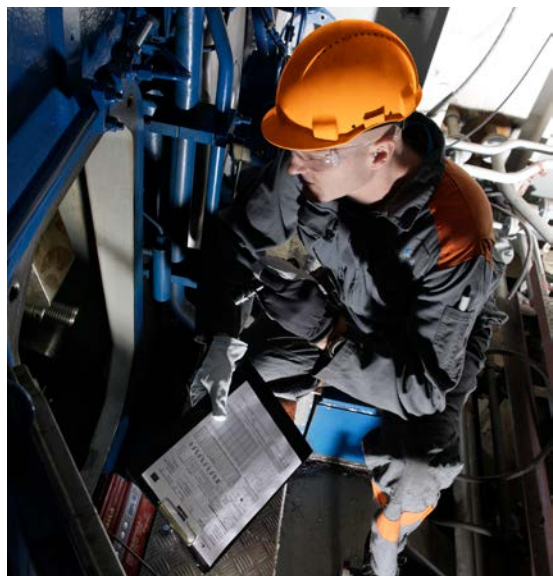
QuantiParts

QuantiParts trades OEM spare parts for selected Wärtsilä 4-stroke engines for marine and energy customers worldwide. QuantiParts provides 24/7 services and support with leading technical know-how.

Wärtsilä Hamworthy Services

Wärtsilä Hamworthy Middle East FZE supports aftermarket solutions related to a number of oil & gas segments. The scope includes commissioning,

Wärtsilä Middle East 24h Services



preventive maintenance services, remote online support with condition monitoring and troubleshooting of:

- Marine LNG and LPG cargo systems
- VOC recovery
- Hydrocarbon blanketing
- Flare gas ignition systems
- Wärtsilä inline pumps & Wärtsilä Svanehoj deepwell pumps
- Wärtsilä valves
- Waste Water treatment plants and vacuum toilet systems
- Hamworthy MK series and Wärtsilä CS series OWS units
- Wärtsilä Moss Inert Gas systems, Nitrogen generators and Exhaust Gas Scrubbing systems
- Positive displacement pumps from Bellin S.p.A and Azcue Pumps
- Boss Oily Water Separators
- RO plants for freshwater generation from Quantum Water Engineering

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Wärtsilä is a global leader in smart technologies and complete lifecycle solutions for the marine and energy markets. By emphasising sustainable innovation, total efficiency and data analytics, Wärtsilä maximises the environmental and economic performance of the vessels and power plants of its customers.

[wartsila.com](https://www.wartsila.com)