



# WÄRTSILÄ OPTIMISED MAINTENANCE – IMPROVE COST PREDICTABILITY AND ASSET AVAILABILITY WITH A FLEXIBLE MAINTENANCE SOLUTION

In today's competitive shipping environment, increasing maintenance efficiency and flexibility while optimising costs is key to ensuring profitability. Wärtsilä Optimised Maintenance improves long-term cost predictability and asset availability by planning and scheduling maintenance procedures to suit your business operations. The core of the solution is continuous proactive support and recommendations from our experts in Wärtsilä Expertise Centres, who help you to optimise maintenance intervals according to actual needs and prevent unexpected downtime.

## **Maintenance tailored to your operational needs**

Data-Driven Maintenance allows maintenance work to be scheduled according to actual asset condition and needs instead of relying on a fixed schedule. Based on continuous measurement and analysis as well as periodic inspections, your maintenance needs can be predicted – enabling you to keep your asset running optimally and improve the balance between fuel economy and maintenance costs.

Unlike traditional calendar-based maintenance programmes, Data-Driven Maintenance provides flexibility in maintenance planning. Services available include parts coordination and inventory management, on-site work progress monitoring and support and exchange set management.

## **KEY BENEFITS**

- Predictive maintenance tailored to your operations
- Guaranteed maintenance costs and service levels
- Operational support from our Expertise Centres
- Proactive advice and enhanced reliability with Expert Insight
- Online access to your operational data with detailed insights



### **Round-the-clock Operational Support**

Wärtsilä Optimised Maintenance can include round-the-clock operational support from a dedicated expert at a Wärtsilä Expertise Centre who is familiar with your vessel operations. This includes remote investigation and troubleshooting support, actionable advice and remote guidance for technical site operations, ensuring any issues are resolved as quickly as possible and reducing the need for unscheduled maintenance visits.

### **Prevent the unexpected with Expert Insight**

Expert Insight – offered exclusively through a Lifecycle Solution service agreement – is a predictive maintenance service that combines

artificial intelligence techniques and advanced diagnostics with OEM expertise to identify anomalous behaviour in real time. This enables asset performance to be optimised. Continuous monitoring also ensures that the condition of equipment and systems is accurately defined based on long-term operational performance data.

The service adds value by proactively identifying and highlighting potential failures, thereby improving equipment safety, reliability and efficiency. It also identifies early indications of equipment deterioration and conditions that cause equipment to run less efficiently, helping to maintain optimal energy and fuel consumption and reduce unplanned downtime.

### **Wärtsilä Expertise Centres**

Our Expertise Centres around the world support our customers with advice, recommendations and remote support based on monitoring and analysis—during day-to-day vessel operation and in unforeseen situations. Personnel at our Expertise Centres accurately predict your maintenance needs and can also identify and communicate improvement possibilities. This helps to provide a holistic view of your fleet's operations while ensuring that your vessels are operating safely and at peak efficiency.

### **Why choose Wärtsilä?**

Wärtsilä is an experienced lifecycle service provider, with a proven track record in operation and maintenance services going back decades. Globally, more than 700 vessels are covered by Wärtsilä Lifecycle Solutions.

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