

Wärtsilä Guaranteed asset performance



Wärtsilä is an experienced operator, with a proven track record in operation and maintenance services since the 1990s. Globally, more than 30 GW of generating capacity in both marine and land based installations – totalling over 700 installations – is covered by Wärtsilä's Lifecycle solutions. The benefits from a long-term partnership are apparent. This lifecycle solution guarantees asset performance and prevents the unexpected.

Guaranteed asset performance is a solution where Wärtsilä guarantees reliability or availability of your power plant with fixed cost. You can manage the operations and outsource the maintenance and its management to Wärtsilä. The onsite support engineer, online data and remote monitoring enable advanced support and immediate response from Wärtsilä's experts to ensure the safe operation of your power plant.

PERFORMANCE GUARANTEES

As standard, an availability or reliability guarantee is offered in order to ensure that needed capacity is available when there is a demand to ramp up. If required, we also offer a starting reliability guarantee for engines.

ENERGY EFFICIENCY MANAGEMENT GUARANTEE FOR ENGINES

Wärtsilä Energy efficiency management is provided as an optional service in the Guaranteed asset performance solution.

By applying remote heat rate monitoring and in case of solar PV hybrid, performance ratio monitoring, we offer you advice and recommendations in order to secure and maintain optimal efficiency. In addition, we guarantee the heat and performance ratio in case of solar PV hybrid, which means that during the duration of the partnership, the efficiency will remain at an optimal level.

EXTENDED WARRANTY

As standard, we offer an extended warranty on our spare parts delivered and installed by our personnel. In addition we offer an extended warranty on workmanship.

FINANCIAL PREDICTABILITY

Our low fixed cost for scheduled maintenance, maintenance management as well as operational and technical support provides financial predictability to your operations. Agreed major maintenance costs are incurred once the work has been performed.

Major maintenance costs can also be included as a fixed fee per engine running hour.

KEY BENEFITS

- Maximized uptime through OEM maintenance management
- High efficiency and productivity throughout asset lifecycle
- High availability and uptime
- Long term cost predictability and shared goals
- Guaranteed operational efficiency and uptime



MAINTENANCE MANAGEMENT AND COORDINATED SCHEDULES MAXIMISE UPTIME

Typically, Wärtsilä is called upon to conduct planned maintenance from an early stage in order to minimise unplanned maintenance. We provide all the parts and experienced workforce needed in accordance with agreed schedules.

By contracting maintenance to Wärtsilä, our customers can reduce their fixed costs by having a leaner operation and maintenance organisation.

ONSITE PRESENCE AND ONLINE DATA ENABLES ADVANCED SUPPORT

The Onsite customer support engineer ensures that the power plant reaches the agreed performance targets and provides immediate response to ensure the safe operation of the power plant. Through online data, such as plant operating parameters, we can also support customers' operating personnel remotely from our expertise centres. Our senior level technical experts give advice to our customers' plant personnel via phone, email or our TechRequest application.

Plant operating data helps us to predict the engine condition which form the basis for the maintenance plan. Power plant condition monitoring enables us to identify faults well before they lead to unscheduled outage.

ENGINES IN HYBRID POWER PLANTS RUN ACCORDING TO POWER DEMAND

Flexible operations of engines enables optimised hybrid power generation and energy storage, thus maximising revenues and profits.

Condition monitoring and inspections combined with expert analysis enable flexibility of the engine maintenance intervals.

EFFICIENT SCHEDULED MAINTENANCE

Our maintenance management services include crucial activities to ensure that scheduled maintenance is planned, managed and executed efficiently within the agreed time schedule.

Our maintenance management experts plan all scheduled maintenance, schedule manpower, order and coordinate spare part deliveries, and finally issue a detailed report of the maintenance work done.

CONTINUOUS PERFORMANCE IMPROVEMENT PROPOSALS

Changes in operating profile and availability of improved or innovative technologies can offer additional opportunities to improve your assets. During the lifecycle of the partnership, which can be up to ten years, we proactively propose modernization and upgrade solutions to improve asset efficiency.

SOLUTION SCOPE

- Performance guarantees
- Maintenance cost and service level assurance
- Onsite customer support engineer
- Scheduled maintenance
- Maintenance management
- Parts logistics
- Remote operational and technical support
- Condition monitoring and technical advice

Optional:

- Annual performance tests
- Energy efficiency management
- Emission measurements
- Power plant audits
- Unscheduled maintenance
- Recovery guarantee

This lifecycle solution guarantees asset performance and prevents the unexpected. Contact us today for a better tomorrow!

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

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