



## A SERVICE AGREEMENT FOR PEAKING POWER PLANTS ENSURES OPERATIONAL CERTAINTY

### HIGHLIGHTS OF A PEAK-LOAD MAINTENANCE AGREEMENT

- Long-term warranty coverage
- Available for new gas-fired peaking power plants
- Dedicated technical support. Customer-support engineer with OEM expertise ensuring fast and efficient communication
- Condition monitoring to enable trending and optimisation of equipment performance
- Maintenance management. Maintenance planning to support the operating profile. Management of customer-owned onsite safety stock.



As the owner of a peaking power plant, you need to guarantee the stable supply of electricity, should the planned electrical production be insufficient to cover consumption. During the first three years of operation, our service agreement solution provides on-site customer support personnel, scheduled maintenance, as well as condition monitoring to optimise the performance, availability and reliability of your asset. In short, the added value means that you can focus on your core business.

An investment in a peaking power plant is mostly derived from the need to occasionally compensate for unavailable electricity. A Wärtsilä service agreement solution backed up with a prolonged warranty, valid from the first day of commercial operation, provides reduced risks for your investment and operation. Ensuring operation continuity also provides several other benefits, such as increased efficiency and cost predictability.

### AN AGREEMENT IS A SOUND INVESTMENT

There are often significant seasonal, weekly and daily variations in power demand. In a multi-unit power plant the units can be started and stopped as per power demand. This means that the annual average unit running hours, depending on the actual load profile, can be considerably lower than the annual plant running hours.

A load profile that varies significantly will have a considerable effect on maintenance costs. The units in a multi-engine plant, for example, can be dispatched so that the running hours are unequally spread between them. This concept allows for maintenance to be scheduled for one unit at a time, thereby maximising the available power generation capacity at any given time. Ideally, maintenance is scheduled for periods of lower power demand.

One way of managing the energy demand is by improving energy efficiency, i.e. using

less fuel to perform the same tasks. Our agreement is a sound investment, which can have a direct effect on overall operational plant efficiency. Moreover, this type of agreement brings several other considerable benefits including:

- Optimised and fixed operational costs
- Improved operational reliability
- Maximised uptime
- Dedicated technical expertise and support from a global network of skilled service experts
- Minimised downtime through proper maintenance and co-ordinated schedules
- Online condition monitoring
- High availability of OEM parts and consumables.

## ON-SITE OPERATIONAL SUPPORT

A peaking plant may operate for either many or only a few hours per year. Whichever the case, it is vital that the plant has the ability to quickly reach full capacity in all conditions. Thanks to our Wärtsilä on-site customer support engineers, you, as our customer, can rest assured of a reliable plant start-up. Also, fast and efficient communication with our

technical expertise is maintained at all times.

The on-site customer support engineer also serves to minimise the number of contact points for maintenance calls. Equipment suppliers need not be contacted individually, since we coordinate all maintenance requests and provide easy access to our local and global knowledge base.



Australia. The service agreement is valid from the first day of commercial operation.

A Wärtsilä service agreement is a proven way of preventing the unexpected, keeping your installation productive and profitable – throughout the entire lifecycle. A maintenance agreement provides optimised performance and includes the following:

- Long-term warranty
- On-site customer support with OEM expertise
- OEM services
- Improved reliability through inventory management and remote monitoring
- OPEX predictability
- Maintenance planning
- Optimised maintenance and logistics.

Wärtsilä's philosophy is to customise all agreements to fulfil each customer's specific needs. This new service agreement solution is, therefore, aimed at ensuring that your investment is secure and predictable. By building a strong and trusting partnership with us, operational costs can be accurately estimated and additional costs avoided. All technical support, maintenance planning, and safety spare-parts management planning is customised according to your specific requirements.

The basic idea behind a maintenance agreement for peaking power plants with us is long-term co-operation, where both parties work towards a shared goal: your company's continued productivity – and profitability.

## MAINTENANCE PLANNING SUPPORTS THE OPERATING PROFILE

With a custom-made maintenance agreement, not only do you sign up for a long-term partnership with Wärtsilä, but you also achieve improved reliability and availability, as well as a maximised lifetime for your installation and reduced operational costs. This agreement for peaking power plants features prolonged warranty coverage and a multi-portfolio service mix.

The improved forecasting of maintenance needs and the system's overall function are achieved through condition monitoring, measuring and analysis of engine parameters. Wärtsilä's technical support and maintenance planning teams offer unrivalled resources and knowledge to keep equipment online and reduce downtime. Our experts analyse the data and trends, and changes in operating

parameters can be identified well before they might compromise the performance of the installation.

## A COST-PREDICTABLE FUTURE

Although savings are always important, it is cost predictability that is vital when dealing with long-term business performance. With OPEX predictability over a longer period of time, lifecycle costs can be forecasted accurately and maintenance expenses for the coming years can be accurately budgeted. Part of this is achieved through the inventory management of the customer-owned on-site safety stock, which supports the operating profile.

## PREVENTING THE UNEXPECTED

This service agreement is available for new gas-fired peaking power plants in, among other locations, the USA, Europe and