Optimising operation and risk management while maximising your plant performance

As part of Wärtsilä’s lifecycle solutions, a gas conversion can help reduce operating costs and extend asset lifetime. We offer several conversion concepts for power plants, depending on your needs and specific requirements. To ensure maximised return on the gas conversion and smooth transition to operation, we recommend the inclusion of a long term lifecycle solution as part of your gas conversion project.

A CLEAN NEW START FOR YOUR ASSET
A gas conversion done by Wärtsilä is an effective way to reduce operating costs, as well as extend the lifetime of your asset while increasing its value.

A Wärtsilä gas conversion not only offers the benefits of a new fuel, it also means a fresh start for your asset. Converting the existing engines gives the same benefits as installing new ones. All aspects from safety to reliability of operation are considered, so that the conversion concept follows the same principles as a new build made by Wärtsilä according to the latest design and engineering.

After converting to a new fuel or fuels, a tailored service agreement can help secure a smooth restart and maximise the return on the fuel conversion investment.

SMOOTHER TRANSITION TO OPERATION
After converting to gas, a tailored lifecycle solution can help secure a smooth restart and maximise the return on the gas conversion investment.

Converting your power plant to operate on natural gas as main fuel means bringing in new technology that requires new skills and new operating procedures. A lifecycle solution with Wärtsilä ensures a quick learning curve. The right expertise is there from the beginning or at your disposal whenever you need it, making sure that your asset performs smoothly and efficiently from the first press of the start button.

GUARANTEED AVAILABILITY AND FUEL EFFICIENCY
Your decision to invest in a gas conversion is based on the economic and operational benefits attainable through improved efficiency and fuel flexibility. Operating on cleaner fuel like gas also leads to higher availability due to longer maintenance intervals. To ensure that these benefits are achieved, a service agreement can include guarantees for reaching the desired level of performance and availability over a long term, with the added advantage of predictable maintenance costs ensured by fixed prices.

REDUCED ENVIRONMENTAL FOOTPRINT
The challenges of complying with environmental legislation and addressing the global need for energy conservation have made the efficiency of the generating sets used to deliver electrical power increasingly important. Fuel type is also a key factor here.

Converting to natural gas is an effective way to reduce the environmental footprint of a power plant.

BENEFITS OF A GAS CONVERSION IN COMBINATION WITH A LIFECYCLE SOLUTION

- Guaranteed reduction of operating costs
- Extended asset lifetime and increased asset value
- Smoother transition to operation
- Higher availability due to prolonged maintenance intervals
- Guaranteed availability and fuel efficiency
- Reduced environmental footprint
WÄRTSILÄ LIFECYCLE SOLUTION FOR POWER PLANTS
A lifecycle solution with Wärtsilä is an efficient way to optimise operations and prevent the unexpected.

GAS CONVERSION TYPES

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OPERATION AND MAINTENANCE
Ultimate operation and risk management
A Wärtsilä operation and maintenance solution is a partnership where we agree on and work towards shared productivity and profitability goals. It is an efficient business solution covering every aspect of the day-to-day operation of your power plant and all related maintenance and administration tasks. It aims to maximise the productive lifetime of your installation and the return on investment.

GUARANTEED ASSET PERFORMANCE
Guaranteeing asset performance and preventing the unexpected
Guaranteed asset performance is a solution where Wärtsilä guarantees the reliability or availability of your power plant. You manage operations and outsource the maintenance and its management to us. The onsite support engineer, online data and remote monitoring enable advanced support and immediate response from our experts to ensure the safe operation of your power plant.