

# Wärtsilä Power plant re-powering



As power plant technology advances and local energy markets evolve, a plant's power generation equipment can become obsolete or less competitive over time. If the existing plant is conveniently located and connected to the local grid, Wärtsilä Power plant re-powering is a fast-track and highly cost-effective investment. The solution introduces new equipment to help a plant meet market demands while extending its lifecycle and increasing revenue by improving efficiency, reliability and availability.

## **DETERMINING THE SCOPE**

The project begins with a full site audit and includes the supply of Wärtsilä generating sets as needed to fulfil the plant's power and fuel demands, along with any balance of plant equipment required. It also includes project management, equipment and heavy-lifting logistics, installation, commissioning and performance tests. We also offer long-term service agreements and support with securing financing for the project as options. Power plant re-powering can be a cost-effective option for power plants where a significant power-house infrastructure can be re-used and integrated with the new equipment.

## **KEY BENEFITS**

- Extend the lifecycle of your power plant
- Improve profitability by increasing reliability and availability
- Increase efficiency and reduce operating costs



## PROJECT DELIVERY

The audit determines the process and the required resources for the re-powering project, which can vary depending on factors including whether the existing equipment is from Wärtsilä or another supplier. We then replace the main equipment, such as generating sets, control systems and main auxiliary modules, and upgrade any equipment that is obsolete, damaged or not working optimally. As most existing systems and civil structures – including switchyards – are reused, civil modifications can be kept to a minimum.

## WHY CHOOSE WÄRTSILÄ?

Our expert auditing team are able to identify any challenges relating to existing equipment in advance, minimising risk by suggesting the appropriate project scope and concept. We typically offer output and heat rate guarantees for any re-powering project, and where agreed, a completion time guarantee as well. Through a long-term service agreement, we can also give performance guarantees. Wärtsilä offers flexible project scopes to minimise your financial risk, including engineering, procurement and construction (EPC) and Engineering and Equipment supply (EEQ) options available.

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