

ALSTOM SIGNS MAJOR MODERNISATION CONTRACT FOR RIFAA II POWER PLANT, BAHRAIN

ALSTOM has signed a contract, worth more than 100 million euros, with the Ministry of Electricity and Water, Kingdom of Bahrain (MEW) for the modernisation of the Riffa II power plant.

The single-cycle power plant consists of six type GT13D2 gas turbines operating on fuel gas. The plant is over 20 years old and while it continues to operate reliably, it requires significant investment to ensure its long-term performance and competitiveness. The modernisation project will not only restore gas turbine output and efficiency lost due to the effects of ageing, but will vastly improve overall plant performance and meet the highest environmental standards. Customer maintenance costs will also be significantly reduced.

The scope of the contract includes the replacement of existing gas turbine single burners with ALSTOM's well-proven EV burner technology to significantly reduce NOx emissions.

The plant's gas turbines will be upgraded to GT13DM comprising new blades, vanes and vane carriers. The benefits of the upgrade include the extension of major overhaul intervals from 3 to every 4 years, increased efficiency and power output, and reduced life-cycle costs of the turbines.

Instrumentation and control and electrical systems will also be modernised, incorporating Turbopack 3000, ALSTOM's modular service solution for the upgrade and modernisation of electrical systems.

The plant will be upgraded between November 2006 and 2009 during scheduled major overhauls of the gas turbines.

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Hans-Peter Meer, Senior Vice President, Power Service commented, *“We are delighted to be chosen by MEW for this project which will bring major environmental benefits and give the Riffa II plant a second life in preparation for its important long-term role in Bahrain’s growing power generation market. This success is based on our extensive upgrade and modernisation experience and our competence in engineering integrated plant service solutions that support our customers’ competitiveness”.*

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