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Alstom wins €1 billion contract for the construction of UK's largest combined cycle power plant

Alstom has been awarded a contract worth approximately €1 billion by RWE npower plc for the design and construction of a full turnkey, gas-fired combined-cycle power plant in Pembrokeshire, Wales. With an output of approximately 2,000 MW, the new plant will be the biggest and one of the most efficient of its kind in the UK, capable of supplying power to around three million homes.

The new plant will be built on the site of an old, dismantled power station. It will include five Alstom GT26 turbines and accompanying core components* supplied by Alstom. It will offer high load flexibility while maintaining low emissions and high efficiency. The plant will be able to be run as efficiently at low load as at full capacity during peak hours, allowing the operator to respond to fluctuating energy demands. It will be among the most efficient of its kind.

Approximately 40 per cent of the UK energy fleet was built before 1975 and will need replacement in the short to medium term. The Pembroke power plant is part of RWE npower's plan to renew its power generation fleet with new, more efficient and more environmentally friendly power plants.

"This new project clearly demonstrates that Alstom's engineering expertise is crucial to the power industry in the UK, and around the world. This is the second contract signed by Alstom with RWE npower in less than 2 years, which underlines our customer's confidence in our engineering ability," said Philippe Joubert, President of Alstom Power.

This project is the second one that Alstom has signed with RWE npower in the UK, following the contract won in 2007 for the gas-fired 1,650 MW Staythorpe power plant, currently under construction in Nottinghamshire. In addition to the Staythorpe power plant, Alstom is also building in the UK the Langage and Grain power plants. Including the Pembroke plant, these four power plants will add close to 6 GW of new electrical power to the UK grid.

**For each of the five KA26-1 Single-Shaft Combined Cycle Power Plant Power Blocks, the Alstom in-house core components are: one advanced-class GT26 gas turbine, one triple-pressure heat recovery steam generator (HRSG), one compact state-of-the-art reheat type STF30C steam turbine, one TOPGAS (hydrogen-cooled) generator and the 'ALSPA' Plant Control System. Worldwide, 85 of Alstom's GT24/GT26 units are in commercial operation and have accumulated over 3 million hours of operating time.*

Alstom is a global leader in the world of power generation and rail infrastructure and sets the benchmark for innovative and environmentally friendly technologies. Alstom builds the fastest train and the highest capacity automated metro in the world, and provides turnkey integrated power plant solutions, equipment and associated services for a wide variety of energy sources, including hydro, nuclear, gas, coal and wind. The Group employs more than 80,000 people in 70 countries.

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