

24 March 2009

Alstom wins contract worth around 500 million euros to supply boilers for a 1600 MW coal-based power plant in the Netherlands

Alstom has been awarded a contract worth around 500 million euros by RWE Power AG to supply two cutting-edge boilers for its Eemshaven power plant in the Netherlands. The new hard coal-fired units will provide clean, reliable electricity for more than 3 million homes and cut CO₂ emissions by about 2,5 million tons per year as compared with older systems.

When completed in 2013, the new 800 MW boilers will operate at ultra-supercritical steam conditions, which means that they will be among the most efficient of their kind worldwide. Reaching an efficiency of approximately 47%, the units will burn 20% less coal than previous generations to generate the same power while greatly reducing plant emissions, including CO₂. Finally, the new units are designed to co-fire up to 10% biomass, an important renewable energy option. The units can be retrofitted at a later date with equipment used to capture CO₂ after combustion.

"Time is of essence in the race against climate change and Alstom is delighted to be working with RWE in order to mitigate the environmental impact of electricity production," said Philippe Joubert, Alstom Executive Vice President and President, Power. *"In choosing Alstom's state-of-the-art boilers and selecting a plant that can be easily fitted with CO₂ capture equipment, RWE demonstrates its determination to be ready for the future."*

Alstom is a key player in the Dutch power generation market: its equipment generates about 60% of the country's electricity. In 2008, it was already awarded two combined cycle power plant contracts, Electrabel's Flevocentrale (870MW) and Essent's Claus C (1280 MW), that are currently under construction.

Alstom is a world leader in boiler technology, having supplied directly or through licenses more than 700,000 MW globally, of which more than 200,000 MW are supercritical boilers.

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