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Siemens hands over PowerSeraya's Combined Cycle Power CoGeneration Plant in Singapore

Official handover of Units 30&40 of PowerSeraya's Combined Cycle Power CoGeneration Plant by Siemens Energy took place on October 20, 2010. The new units replace three oil-fired plants on Jurong Island in southwest Singapore. Siemens built the turnkey, 800-megawatt (MW) plant in an open consortium consisting of Siemens AG as the consortium leader, Siemens Pte. Ltd. Singapore and Samsung C&T Korea. These high-efficiency combined-cycle units are configured for cogeneration, supplying both power to the grid and process steam to the neighboring refinery owned by Petrochemical Corporation of Singapore Private Ltd. As a result, fuel utilization of the new units will be better than 75%.



"These high-efficiency cogeneration units will play a major part in meeting Singapore's increasing energy requirements in an environmentally friendly and cost-effective manner", said Rainer Hauenschild, CEO Energy Solutions for the Fossil Power Generation Division of Siemens Energy. Back in 2002 Siemens with its partner Samsung Corporation constructed two combined-cycle units for PowerSeraya on the same site, with each unit rated at 370 MW. These units were likewise converted to cogeneration in the course of the new construction project. Completion of the new units means that PowerSeraya now has four combined-cycle units on Jurong Island with a total installed capacity of 1540 MW. The

Siemens scope of supply for the new units covered two SGT5-4000F gas turbines, two hydrogen-cooled generators, the heat recovery steam generators together with all the electrical systems and the SPPA-T3000 control system. Siemens was also awarded a service contract for these units.

High-efficiency combined cycle power plants are part of Siemens' Environmental Portfolio. In fiscal 2009, revenue from the Portfolio totaled about EUR23 billion, making Siemens the world's largest supplier of ecofriendly technologies. In the same period, the company's products and solutions enabled customers to reduce their CO2 emissions by 210 million tons. This amount equals the combined annual CO2 emissions of New York, Tokyo, London and Berlin.

The **Siemens Energy Sector** is the world's leading supplier of a complete spectrum of products, services and solutions for the generation, transmission and distribution of power and for the extraction, conversion and transport of oil and gas. In fiscal 2009 (ended September 30), the Energy Sector had revenues of approximately EUR25.8 billion and received new orders totaling approximately EUR30 billion and posted a profit of EUR3.3 billion. On September 30, 2009, the Energy Sector had a work force of more than 85,100.

Further information is available at: www.siemens.com/energy.