Siemens awarded power plant order from Singapore

Siemens has received an order to supply the power block and other main components for the new combined-cycle power plant (CCPP) in Singapore. As part of the largest seawater desalination facility Tuaspring in Singapore, the plant will deliver around 411 megawatts (MW) of environmentally friendly electricity. Tuaspring is scheduled to go online in 2014. Purchaser is Hydrochem (S) Pte Ltd., a subsidiary of Hyflux Ltd.

The natural gas-fired Tuaspring CCPP in northwestern Singapore will be built in a single-shaft configuration and integrated into the seawater desalination plant for providing drinking water to Singapore. The CCPP plant will provide the desalination plant with power and will draw cooling water from the seawater supply to the desalination plant, optimizing the balance of energy for the overall plant. Siemens’ scope of supply will include a Model SGT5-4000F gas turbine, the heat recovery steam generator, one SST5-3000 steam turbine, an SGen5-2000H-series hydrogen-cooled generator and the SPPA-T3000 instrumentation and control system as well as the associated auxiliary and ancillary systems. What’s more, Siemens has concluded a long-term service agreement with the client covering the major components, and will also supply the plant’s electrical switchgear and transformers.

“We view this first order from Hyflux to be a demonstration of their trust in our know-how and technology. Siemens places the greatest value on tried-and-tested and highly reliable technology, and this will be a decisive factor on the electricity market in Singapore. With an efficiency of approximately 59 percent the Tuaspring plant will contribute significantly towards securing Singapore an efficient and thus economical as well as clean power supply”, states Lothar Balling, Head of Gas Turbine Power Plant Solutions at Siemens’ Fossil Power Generation Division.

“We are delighted to award this contract to such an experienced and reputable company as Siemens”, notes Olivia Lum, Group CEO and President of Hyflux.
Highly efficient combined-cycle power plants are part of Siemens’ Environmental Portfolio. In fiscal 2011, revenue from the Portfolio totaled about €30 billion, making Siemens one of the world’s largest suppliers of ecofriendly technologies. In the same period, our products and solutions enabled customers to reduce their carbon dioxide (CO₂) emissions by nearly 320 million tons, an amount equal to the total annual CO₂ emissions of Berlin, Delhi, Hong Kong, Istanbul, London, New York, Singapore and Tokyo.

The Siemens Energy Sector is the world’s leading supplier of a complete spectrum of products, services and solutions for power generation in thermal power plants and using renewables, power transmission in grids and for the extraction, processing and transport of oil and gas. In fiscal 2011 (ended September 30), the Energy Sector had revenues of EUR27.6 billion and received new orders totaling approximately EUR34.8 billion and posted a profit of more than EUR4.1 billion. On September 30, 2011, the Energy Sector had a workforce of more than 97,000. Further information is available at: www.siemens.com/energy.