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Siemens to supply turnkey combined cycle power plant to Thailand

- Market entry with first two H-class gas turbines in Thailand
- Fifth large power plant project in consortium with Marubeni in the country
- Total order volume about 550 million U.S. dollar

Siemens, together with its Japanese consortium partner Marubeni Corporation, has received an order for the delivery of a turnkey combined cycle power plant to Thailand. Purchaser is the state-owned utility Electricity Generating Authority of Thailand (EGAT). The gas-fired power plant South Bangkok consists of two units in a single-shaft configuration and will feature two H-class gas turbines for the first time in the country. After commissioning in 2019 the power plant with an electrical output of around 1,200 megawatts is expected to power 1.5 million Thai households. The combined order volume for Siemens and Marubeni is approximately 550 million U.S. dollar (the equivalent of approximately 500 million Euro).

“This marks not only the fifth order from EGAT for the two consortium partners for a power plant in Thailand but is also the first time that Siemens will supply its largest and most efficient gas turbine to the country,” said Willi Meixner, CEO of the Siemens Power and Gas Division. “We have been able to offer a power plant solution with optimized levelized cost of electricity for the customer’s specific requirements. Siemens is looking forward to executing this project successfully and to continue its partnership with EGAT and Marubeni.”

Siemens will deliver the key components consisting of two SGT5-8000H gas turbines, two SGen5-3000W generators and two steam turbines of model SST5-5000. Also included in the scope of supply are two heat recovery steam generators engineered by NEM and the SPPA-T3000 control system. The consortium partner
Marubeni is responsible for civil and erection works, cooling tower, high voltage gas insulated switchyard and some balance of plant equipment.

The power plant is constructed on the basis of the Siemens single-shaft concept, in which the major components (gas turbine, generator and steam turbine) are arranged in one single train. These types of plants stand out thanks to their high level of efficiency, their short startup times and their flexibility in accommodating fast load changes. The combined cycle power unit South Bangkok situated 20 kilometers south of Bangkok in the Mueang district is part of the Thai government’s Project Development Plan. The goal of this program is to provide a safe, affordable and environmentally friendly solution for the growing energy demand in the country. Additionally, Thailand is depending more on imported Liquified Natural Gas (LNG). Therefore the need of highly efficient power plants is gaining momentum.

Siemens and Marubeni Corporation already have built Chana 1, Bang Pakong 5, Chana 2 and Wang Noi 4 combined cycle projects for EGAT in the last 10 years.
H-class gas turbines for South Bangkok power plant

Siemens will supply two highly efficient H-class gas turbines as key components to the power plant South Bangkok, Thailand.

This press release and a press picture are available at

www.siemens.com/press/PR2017010144PGEN

More information about the Power and Gas Division is available at


More Information about the SGT5-8000H gas turbine is available at

www.siemens.com/energy/sgt5-8000h

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Siemens AG (Berlin and Munich) is a global technology powerhouse that has stood for engineering excellence, innovation, quality, reliability and internationality for more than 165 years. The company is active in more than 200 countries, focusing on the areas of electrification, automation and digitalization. One of the world’s largest producers of energy-efficient, resource-saving technologies, Siemens is a leading supplier of efficient power generation and power transmission solutions and a pioneer in infrastructure solutions as well as automation, drive and software solutions for industry. The company is also a leading provider of medical imaging equipment – such as computed tomography and magnetic resonance imaging systems – and a leader in laboratory diagnostics as well as clinical IT. In fiscal 2016, which ended on September 30, 2016, Siemens generated revenue of €79.6 billion and net income of €5.6 billion. At the end of September 2016, the company had around 351,000 employees worldwide.

Further information is available on the Internet at www.siemens.com.