

Erlangen, June 21, 2016

POWER-GEN Europe 2016 in Milan, Italy

Siemens wins first order for SGT-800 gas turbines in China

Siemens has received its first order from China for the delivery of four SGT-800 gas turbines and the associated generators. The turbines will be installed in the Shanxi Guoxin Baode and Xiyang decentralized energy projects in Central China. The two combined cycle power plants with heat extraction will have an overall capacity of 308 megawatts (MW). The customer is Shanxi Natural Gas Limited Company, a subsidiary of Shanxi Provincial Guoxin Energy Development Group Co., Ltd.. Commercial operation of the plants is scheduled for July 2017.

Siemens delivers four gas turbines of type SGT-800 with the 54-MW rating to China. Two gas turbines and two generators are to be installed in a 2x1 combined cycle power plant with heat extraction at each site. Siemens also supplies all associated auxiliary systems as well as installation and commissioning services for the projects. Both combined cycle power plants will be fired with coalbed methane, a form of natural gas from an unconventional gas reservoir with high hydrogen content. The SGT-800 is able to fire this gas due to its high fuel flexibility.

“This first order of SGT-800 gas turbines is a breakthrough success for us on the fast developing Chinese decentralized energy market,” said Yao Zhen Guo, Country Division Lead for Power and Gas and Wind Power and Renewables in China. “As a trustworthy partner, we are happy that we can support Guoxin Energy with world leading gas turbine technologies.”

“We are pleased to cooperate with Siemens for our key decentralized energy project,” said Liang Xiehu, Chairman of Shanxi Provincial Guoxin Energy Development Group Co., Ltd.. “The success of the project requires strong and committed partners, and we are convinced that with its technology expertise and

proven successful references across the globe, Siemens is the right one.”

Worldwide 297 SGT-800 gas turbines have been sold and the fleet has accumulated about 4 million operating hours. The efficiency and steam-raising capability of the SGT-800 makes the turbine especially suitable for cogeneration and combined cycle applications. The high reliability and high efficiency of the gas turbine promote both a low life-cycle cost and a small environmental footprint.

According to China’s 12th Five-Year Plan for Renewable Energy Development, China will pay high attention to develop the decentralized energy market, especially fueled by natural gas. Siemens supports these ambitious goals with the delivery of gas turbines for the Shanxi Guoxin Baode and Xiyang power plants.



Siemens gas turbines for China

Four gas turbines of type SGT-800 will be installed in the Shanxi Guoxin Baode and Xiyang combined cycle power plants.

This press release and a press picture are available at:

www.siemens.com/press/PR2016060316PGEN

For further information on the Siemens gas turbine SGT-800, please see:

www.energy.siemens.com/hq/en/fossil-power-generation/gas-turbines/sgt-800.htm

For further information on Power and Gas Division, please see:

www.siemens.com/about/en/businesses/power-and-gas.htm

For further information on Siemens at POWER-GEN Europe 2016, please visit:

www.siemens.com/power-gen-europe

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