SIEMENS

Press

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Siemens to supply key power plant components to industrial customer in Mexico

• Largest private cogeneration project to date for Siemens in Mexico

Siemens has received an order to supply an H-class gas turbine, one SST-800 steam turbine and two associated generators as well as four switchgear units for the Altamira combined cycle cogeneration power plant in Mexico. The entire power plant will have an electrical capacity of around 350 megawatts (MW) and will also provide process steam, making this the largest private cogeneration project to date for Siemens in this country. In total, Siemens has now received orders for seven H-class gas turbines from Mexico, including this order. Siemens' customer is the Mexican company Avanzia Instalaciones. The end customer is Alpek S.A.B. de C.V., a subsidiary of Grupo Alfa, S.A. de C.V. Commissioning of the overall facility is scheduled for end of 2018.

"Mexico is a pioneer by integrating efficient power generation solutions that will modernize and increase energy supply in the country. This latest project confirms that Mexico is not just transforming its energy market, it is becoming an energy hub for the continent," said José Aparicio, head of sales for Latin America within the Siemens Power and Gas Division. "Furthermore, it's not only the largest private cogeneration project for Siemens in Mexico, but also the first order for an SST-800 industrial steam turbine from the country. Therefore, this is a breakthrough success for us in the changing Mexican energy market."

The Altamira plant will be constructed in the city of the same name in the state of Tamaulipas in northeastern Mexico. Siemens' scope of supply includes one SGT6-8000H gas turbine, one SST-800 steam turbine, one SGen6-100A generator, and one SGen6-2000H generator. Siemens is manufacturing the gas turbine and

Siemens AG Communications Head: Clarissa Haller Wittelsbacherplatz 2 80333 Munich Germany the SGen6-2000H generator at its U.S. production facility in Charlotte, North Carolina. The steam turbine will be manufactured in Goerlitz, Germany, while the SGen6-100A generator will be manufactured in Erfurt, Germany. The order also includes four gas-insulated switchgear units: three with a voltage level of 230 kilovolts (kV) and one with a voltage level of 115 kV. Three of the switchgear units will be used in the new power plant, with the fourth ensuring a smooth connection to the Mexican grid. Alpek will utilize the electricity and process steam from the new plant for its industrial production and feed excess electricity into the Mexican grid.

"For us it provides great satisfaction to work in projects like this one as our contribution to ensuring that the country has the energy and the infrastructure it needs for its future development," said Gustavo Adolfo Fernández Tresgallo, CEO of Avanzia group.

In addition to the Altamira order, Siemens had already sold six model SGT6-8000H gas turbines in Mexico in the past, two each going to the Empalme I (770 MW), Empalme II (791 MW) and Valle de México II (615 MW) combined cycle power plants. Including this latest order, Siemens has sold a total of 79 H-class gas turbines worldwide. The SGT-8000H fleet, with 25 units currently in successful commercial operation, has already achieved more than 250,000 fired hours.



SGT6-8000H gas turbine for Mexico

Siemens delivers an H-class gas turbine for the combined cycle cogeneration power plant in Altamira. It is the seventh Siemens gas turbine of this type supplied to Mexico.

This press release and press pictures are available at: <u>www.siemens.com/press/PR2016080380PGEN</u> For further information on the Power and Gas Division, please see: <u>www.siemens.com/about/power-gas</u> For further information on cogeneration, please see: <u>www.siemens.com/chp</u> For further information on SGT6-8000H gas turbine series, please see: <u>www.siemens.com/energy/sgt6-8000h</u> For further information on the SST-800 steam turbine, please see: <u>www.energy.siemens.com/hq/en/fossil-power-generation/steam-turbines/sst-</u>

<u>800.htm</u>

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