Siemens to provide long-term service at Brooklyn Navy Yard cogeneration plant

Siemens has been awarded a long-term service agreement for the Brooklyn Navy Yard Cogeneration Power Plant in New York City. Brooklyn Navy Yard Cogeneration Partners, LP, awarded Siemens the agreement, which provides years of parts and services for two SGT6-2000E gas turbines (GTs) over a 12-year term, and features Siemens GT performance enhancement solutions including Si3D turbine blade technology and Advanced Compressor Mass Flow (CMF+) modifications. The agreement also includes the plant’s SPPA-T3000 control system, SGEN6-1000A generators and SST-800 steam turbines.

The Brooklyn Navy Yard Cogeneration Power Plant is a 286-megawatt (MW) gas power plant located in the Brooklyn Navy Yard Development Corporation’s 300-acre industrial park. The facility supplies electricity to the Navy Yard and Consolidated Energy Company (ConEd) and supplies steam to Con Ed, the Navy Yard, and the nearby Red Hook Wastewater Treatment Plant.

"With its strategic location across the East River from downtown Manhattan, the Brooklyn Navy Yard Cogeneration Power Plant is an important part of New York’s electric and steam systems," said Craig Weeks, CEO of Siemens Power & Gas Services Business Unit. "These gas turbine upgrades are designed to provide significant performance advantages, and our long-term service and maintenance operations are tailored to help the plant continue to operate efficiently and reliably."

Siemens' Si3D blades are designed to improve power output and thermal efficiency through a combination of 3D aerodynamic design, advanced sealing, cooling improvements, and advanced materials. CMF+ comprises 3D airfoil profile modification of the first four rows of compressor blades and vanes including the inlet guide vane, and instrumentation and control adaptations designed to increase mass...
flow for higher GT power output and exhaust energy. Si3D and CMF+ are part of a Siemens suite of GT performance enhancement solutions.

This press release is available at:
www.siemens.com/press/pi/PR2015050216PSEN

For further information on Siemens Power Generation Services, please see:
http://www.energy.siemens.com/hq/en/services/

For further information on Siemens three-dimensional turbine blades and vanes (Si3D), please see:

For further information on Siemens Advanced Compressor Mass Flow Increase, please see:

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