



### CNPC to Install GE Cogeneration Systems to Provide Beijing Data Center with Critical Power Supply

- *GE's Jenbacher Technology to Power Combined Cooling and Heating Plant at Changping Site*
- *CNPC's New Power Facility to be China's First Data Center On-Site Cogeneration Plant*
- *Project Highlights Role of GE's Power and Controls Solutions in Data Centers Worldwide*

BEIJING—January 16, 2013—GE (NYSE: GE) today announced that [China National Petroleum Corporation \(CNPC\)](#) will install five of GE's [ecomagination](#)-qualified, Jenbacher cogeneration systems at a new data center that CNPC is building in the Beijing district of Changping. The new power facility will be the first cogeneration plant built in China that will meet an industrial data center's on-site cooling and heating requirements.

Powered by five of GE's 3.34-megawatt (MW) [J620 Jenbacher cogeneration units](#), the 16.7-MW combined cooling and heating power plant (CCHP) will offer a total efficiency of up to 85 percent to minimize the data center's energy costs. The power plant's electricity also will support the regional grid.

CNPC is building the data center to support its new [Technology Innovation Base](#) in the National Independent Innovation Park in Changping. The Technology Innovation Base is the company's center for petroleum engineering technology research and development, innovation and testing, product development and mechanical manufacturing.

CNPC is the final energy consumer and Beijing Gas Energy Investment Company is the owner and operator of the cogeneration plant. China's National Energy Administration Bureau has approved the project, which will serve as a model for other data center power projects in China.

"Our Changping data center equipment has specific power requirements, which is why we selected GE's cogeneration technology that has a proven record of reliability around the world," said Mr. Zhao Jianwei, general manager of Beijing Gas Energy Investment Company. "Our project also supports China's National Energy Administration goal to build more distributed energy facilities that increase regional energy security and cleaner air."

The Changping data center power plant is China's largest gas engine CCHP project and is part of CNPC's [broader initiative](#) to expand its network of remote data centers to strengthen the company's business operations and emergency backup capabilities.

The cogeneration plant will offer CNPC significant environmental benefits by using cleaner-burning natural gas. Cogeneration technologies are considered to be far more fuel efficient than separate electricity and thermal power systems.

GE plans to deliver the Jenbacher units by the end of April 2013. Commercial start-up of the power plant is scheduled for the end of 2013.

The project illustrates the breadth of [GE's advanced power generation and management solutions](#) that the company offers to support mission-critical industrial data centers worldwide.

“GE’s Jenbacher cogeneration technology offers the highest availability and critical load management capacity to support CNPC’s operational and backup energy security requirements,” said Karl Wetzlmayer, general manager of gas engines for power generation—GE Power & Water.

GE’s Jenbacher gas engines distributor in China, Yumon Solomon Group, signed the contract with CNPC to supply the Jenbacher cogeneration units. GE and Yumon Solomon Group also will supply the engine control systems, gas train and other auxiliary equipment.

GE’s Jenbacher engine technology is part of the company’s portfolio of innovative distributed power solutions, designed to give businesses and communities around the world the ability to generate reliable and efficient power using a variety of fuels anywhere, whether on or off the grid. GE’s distributed power portfolio also includes [GE’s aeroderivative gas turbines](#), [Waukesha gas engines](#) and [Clean Cycle waste heat recovery solutions](#).

## About GE

GE (NYSE: GE) works on things that matter. The best people and the best technologies taking on the toughest challenges. Finding solutions in energy, health and home, transportation and finance. Building, powering, moving and curing the world. Not just imagining. Doing. GE works. For more information, visit the company’s website at [www.ge.com](http://www.ge.com).

## About GE Power & Water

GE Power & Water provides customers with a broad array of power generation, energy delivery and water process technologies to solve their challenges locally. Power & Water works in all areas of the energy industry including renewable resources such as wind and solar, biogas and alternative fuels; and coal, oil, natural gas and nuclear energy. The business also develops advanced technologies to help solve the world’s most complex challenges related to water availability and quality. Power & Water’s six business units include Distributed Power, Nuclear Energy, Power Generation Services, Renewable Energy, Thermal Products and Water & Process Technologies. Headquartered in Schenectady, N.Y., Power & Water is GE’s largest industrial business.

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