Barcelona, Spain

Improved efficiency with combined heat and power

Jenbacher gas engines: Generating power and heat, wherever you need them

Grifols

Grifols is a Spanish holding company specialising in the hospital-pharmaceutical sector present in more than 90 countries. Since its establishment in 1940, the company is committed to the research, development, manufacture and marketing of blood products for hospital pharmacy solutions for nutrition clinics, and instruments and reagents for clinical analysis and diagnosis.

Customer Challenge

In order to contribute to a cleaner future, Grifols started to look for ecological and efficient on-site power systems to produce electric power and thermal energy for heat, steam or air conditioning while reducing greenhouse gases. To this end, they began investigating cogeneration systems which entail the use of what would otherwise be wasted heat to provide heat or electricity for the building in which it is operating.

Solution

GE Energy signed a contract with Grifols to supply two natural gas-fuelled JMS 620 GS-NL Jenbacher cogeneration modules that generate the power and heat used to support an expansion of factory operations. Surplus electricity can then be sold to the local electricity grid. In addition, two heat recovery steam generators will be connected to enable the plant to produce steam and contribute to the facility's hot water supply. Grifols' new power plant is an example of the type of combined heat and power (CHP) plants envisioned under recent Spanish legislation that encourages industrial sites to boost their energy efficiency. The system offers an electrical efficiency of 44.1% and a total efficiency of 86.7%.

Jenbacher natural gas fuelled CHP systems are ecomagination certified.

For more information

GE Energy
www.ge.com/energy

GE imagination at work