A Gas Turbine for Biomass Cogeneration

Dresser-Rand, a global supplier of rotating equipment solutions to the oil, gas, petrochemical and process industries, will provide Max Bögl Group with an indirectly fired KG 2- to 3-G gas turbine for its new biomass cogeneration plant in Bavaria, Germany.

Max Bögl wanted to produce electricity with low emissions at its plant in Bavaria. Heat from the biomass cogeneration plant will be used to produce 5 tons of saturated steam which, in turn, will be used to produce concrete for pre-fabricated components and electricity conversion. A significant part of the clean, hot air from the turbine cycle will also be used in the asphalt production process and grinding plant.

Chips made from untreated wood, which will come from local agriculture and foresting farms, or short rotation forestry, will be used as a CO_2-neutral fuel.

By producing 2 megawatts of energy using renewable sources, Max Bögl will receive compensation from the German Renewable Act, which provides incentives and compensation to companies that produce energy using renewable sources.

“Max Bögl needed a generator set that was reliable, required little maintenance and was specifically designed to meet the requirements in the 2-megawatt range of power. The Dresser-Rand KG 2- to 3-G gas turbine was the best fit for their needs,” said Odd Guldsten, vice president and general manager of Norwegian operations. “We are pleased we could provide a solution for our client that helps them more

than meet their sustainability goals."

Scheduled to begin operation in spring of 2013, the new cogeneration plant built by Gammel Engineering GmbH replaces a gas-fired steam and heat process, and will save 93.2 million cubic meters of natural gas annually.

For more information, please visit www.dresser-rand.com [1].

Links:
[1] http://www.dresser-rand.com/