



MAN Diesel & Turbo: Cogeneration technology convinces in further projects

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Two further projects in China illustrated the success of turbine-based cogeneration plants made by MAN.

In collaboration with the Chinese EPC partner Liyu, MAN Diesel & Turbo has won two further orders for cogeneration energy production in China. Based on MGT series gas turbines, the compact plants will be delivered to subsidiaries of the Chinese energy firm ENN Group; an end customer who MAN Diesel & Turbo has impressed many times with its turbine technology.

One of the cogeneration plants optimized for natural gas operation will be used in an industrial zone in Dongguan City (Guangdong Province) and in addition to about 6 MW of electricity it will also provide 13 MW of heat. With the same performance data, the second plant will supply a paper mill in Huaian (Jiangsu Province). Surplus heat from the gas turbine alternator packs will be utilized with high efficiency and will benefit the local production processes in the form of process steam.

MAN Diesel & Turbo now has a number of projects in the People's Republic in which its cogeneration technology has replaced the former energy production based on coal. Through the changeover to natural gas fuel and efficient utilization of surplus heat, these projects are supporting the targets set by the Chinese government for increasing efficiency and reducing emissions. The success of MAN MGT gas turbines is reflected by numerous orders placed by end customers in China as well as Germany.

"We are observing the trend towards efficient and flexible energy production with cogeneration worldwide", said Holger Kube, Vice President Sales Power Generation in the Turbomachinery Business Unit. "In addition to the environmental aspect, the advance of renewable energies is a driving force that needs the flexible reserve capacities to stand in where wind and solar power are absent. As well as the MAN Diesel & Turbo engine technology, with the MGT we are also offering a turbine family optimized especially for decentral, flexible and at the same time highly-efficient energy production of electricity and heat", emphasized Kube.

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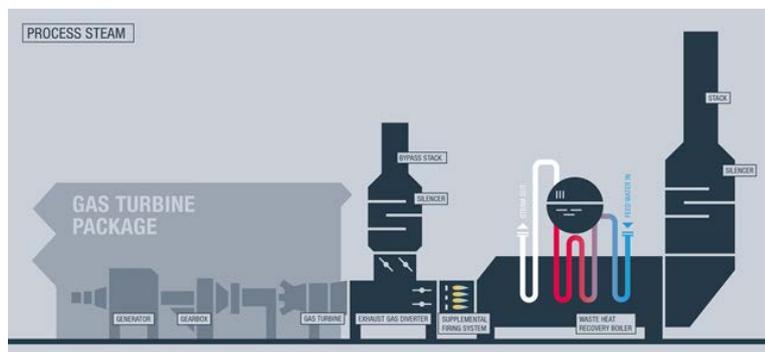
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(MAN_MGT_1.jpg) As shown at this plant in Rheinberg (Germany), MGT turbines supply electricity and heat in the highly efficient CHP operation.



(MAN_MGT_2.jpg) The compact MAN gas turbine generator packages are optimized for combined operation.



(MAN_MGT_3_CHP_steam.jpg) In CHP operation the plants also supply process steam (shown in the picture) or energy for district heating and climatization.



(MAN_MGT_VW_Shanghai.jpg) Four MGT turbines supply electricity and heat to the Volkswagen plant near Shanghai.

About MAN Diesel & Turbo

MAN Diesel & Turbo SE, based in Augsburg, Germany, is the world's leading provider of large-bore diesel and gas engines and turbomachinery. The company employs around 14,500 staff at more than 100 international sites, primarily in Germany, Denmark, France, Switzerland, the Czech Republic, India and China. The company's product portfolio includes two-stroke and four-stroke engines for marine and stationary applications, turbochargers and propellers as well as gas and steam turbines, compressors and chemical reactors. The range of services and supplies is rounded off by complete solutions like ship propulsion systems, engine-based power plants and turbomachinery trains for the oil & gas as well as the process industries. Customers receive worldwide after-sales services marketed under the MAN PrimeServ brand.