



MAN Diesel & Turbo: reducing emissions in China through CHP

MAN is supplying yet another Chinese customer with a complete package for decentralised production of heat and power.

In collaboration with the Chinese company Guangdong Liyu New Energy Science & Technology Co. Ltd., MAN Diesel & Turbo is supplying a compact gas turbine package for the decentralised production of heat and power. The end user is ENN Ubiquitous Energy Network Technology Co. Ltd, a subsidiary of the ENN Group, one of the largest private energy companies in China. At the heart of the unit is a MAN MGT series gas turbine which will produce approximately 6 MW of power and 12 MW of heat for an industrial zone in Huai'an (Jiangsu province).

This compact unit utilises over 80% of the energy stored in the fuel through CHP technology. "This order from China for the MGT series emphasises how the energy production market is developing: there is an increased focus in the People's Republic on emissions reduction and maximum efficiency in heat and power installations", according to Armin Haller, Senior Vice President at MAN Diesel & Turbo for the Sales & Contracts Industries Division.

As with previous projects undertaken by MAN Diesel & Turbo in China, the technology replaces an existing coal-fired installation. This is a further contribution to the Chinese government's aim of lowering emissions significantly by producing energy through highly efficient, gas-powered installations, thus reducing negative impacts on the population and the environment.

"A particular feature of the project is the extremely short deadline, which we managed to meet by supplying a machine that was ready for immediate use", explained Nadège Laurent, Project Manager Sales at MAN Diesel & Turbo. "The Chinese energy sector has a target of making further reductions in emissions by 2020. We see the customer's short lead time as a positive indication of the urgency with which Chinese industry is pursuing these objectives."

MAN Diesel & Turbo is able to refer to many projects throughout the world which reflect the growing demand for low-emission or zero-emission energy production. The company produces a range of motor and turbine technology, from compact generator sets, as in this project, to scalable engine power plants with an output of several hundred megawatts which are optimised not

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only for highly efficient use of natural gas but also for combined heat and power production.



Decentralised power: compact packages by MAN Diesel & Turbo



MGT gas turbine series by MAN Diesel & Turbo

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.