



## **MAN Gas Engine Wins German Cogeneration Order**

Augsburg, 11/28/2017

Schwäbisch Hall municipality invests in modern technology for district heating

MAN Diesel & Turbo has won the contract to supply a 12V35/44 gas engine with dual turbocharger for a heat/power cogeneration unit in southern Germany. The new MAN unit has an output of 7.5 megawatts (MW) and will replace the existing two engines – each with an output of 3 MW – at the Schwäbisch Hall cogeneration unit that has generated electrical energy and heat for the local district-heating grid since 1997. The delivery and service specification of the contract includes engines and ancillaries, plus an oxidation catalytic converter and the engineering for heat extraction.

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"Schwäbisch Hall Municipal Utilities are pioneers in the field of the energy transformation and decentralised generation," said Hajo Hoops, Senior Sales Manager in the Power Plants division of MAN Diesel & Turbo. "The decision to order from MAN was made on the basis of the outstanding efficiency and flexibility of the system. It will also be possible to participate in the balancing energy market in the future; the existing district-heating storage components allow the decoupling of electrical and thermal energy-generation."

"The new engine will achieve an electrical efficiency of 47%, compared to 39% with the current units," confirmed Gebhard Gentner, managing director of Schwäbisch Hall Municipal Utilities. "This represents a 20% boost in efficiency. Along with state subventions for cogeneration units, this is the precondition for operating the plant economically."

In terms of overall efficiency, the new system has an energy utilisation rate of around 90%. "High-efficiency technologies such as heat/power cogeneration make an important contribution to controllable power generation in the context of the energy transformation," stated Gentner. "Schwäbisch Hall Municipal Utilities generate power and heat with more than 50 cogeneration units at 30 sites."

# Press Release

## MAN Diesel & Turbo



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*Gas engine development on the test bed at MAN Diesel & Turbo in Augsburg*



*City of Schwäbisch-Hall, picture provided by Schwäbisch Hall Municipal Utilities*

### **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.