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MAN Diesel & Turbo Supplies Engines for Power Plants in Lebanon

Engines are converted in the medium term for gas operation

MAN Diesel & Turbo is supplying a total of 14 18V48/60 engines for two new power plants in Lebanon which will in future produce electricity for the state-owned supply company Électricité du Liban. The power plants, which will deliver an output of 194 MW and 78 MW respectively, are being built by a consortium comprising the Danish power plant specialist Burmeister & Wain Scandinavian Contractor A/S (BWSC) and MAN Diesel & Turbo in Zouk and Jiyeh, near Beirut. In addition to the engines, the order from MAN Diesel & Turbo also comprises kits for converting the engines to gas-powered operation: as soon as the region's gas infrastructure is up and running, the engines will be switched to dual-fuel capability, allowing them to be operated both with liquid as well gaseous fuels. The order for the consortium is worth approximately EUR 270 million.

The power plants will use the Diesel Combined Cycle product combination, in which the waste heat from the engines is utilized in order to power a further steam turbine. This achieves an excellent degree of electrical efficiency of more than 48 per cent in total.

With a total output of 272 MW, the new power plants will play an important role in safeguarding a stable and reliable supply of electricity to the region: "The two new power plants in Zouk and Jiyeh are an important first step in the efforts to reform the Lebanon's energy sector, efforts which are aimed at markedly improving the entire country's power supply," says Gebran Bassil, Lebanon's Minister for Energy and Water.

"The power plants in Zouk and Jiyeh are our first order of this size in Lebanon and are an important reference project in the Middle East," says Dr. René Umlauf, CEO of MAN Diesel & Turbo. "There is a great need in Lebanon to expand energy production. This makes the country highly interesting for our Power Plants division."

The MAN Group is one of Europe's leading industrial players in transport-related engineering, with revenue of approximately €15.8 billion in 2012. As a supplier of trucks, buses, diesel engines, turbomachinery and special gear units, MAN employs approximately 54,300 people worldwide. Its business areas hold leading positions in their respective markets.

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The two power plants will be handed over to the clients *Électricité du Liban* and the Lebanese Ministry for Energy and Water in 2014.