



Power plant orders for MAN Diesel & Turbo Engines to be delivered to Angola and Brazil from October

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MAN Diesel & Turbo has received an order from the independent energy producer Companhia Termolétrica do Espírito Santo (CTES), a subsidiary of the Brazilian private equity group Brazilian Private Equity, to supply 17 MAN 18V32/40 genset engines for a power plant project in Aracruz in the federal state of Espírito Santo in south-east Brazil. In addition to the engines, the order also includes delivery of mechanical and electrical auxiliary equipment. The MAN gensets generate a total output of 150 MWe – enough to supply around 400,000 people in Brazil with electricity. The order is worth roughly €40 million.

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The CTES power plant in Aracruz will be connected to the grid for Ecelsa, Espírito Santo's public energy provider, and will operate as a "hot stand-by" power plant supplying power for a pool of off-takers made up of the 30 largest power generation utilities in Brazil. Brazil covers around 80 percent of its energy needs with hydropower, but it is only able to do this by using "stand-by power plants" which kick in if there is not enough water available for power generation – e.g. during the dry season. Diesel power plants are the ideal solution in this regard thanks to their high efficiency and short start-up time. As a hot stand-by power plant, the plant in Aracruz needs to reach 100 percent of its capacity within three hours whenever needed.

"Brazil is a strategically important market for us. Like in so many other emerging countries, its energy requirements are set to increase further, opening up new opportunities for our company," said Dr. René Umlauf, Chief Executive Officer of MAN Diesel & Turbo. "With the CTES order, we have acquired a new customer who is impressed by the high quality of our products."

CTES has already started construction work on the power plant which is due to go live in July 2013. MAN Diesel & Turbo will deliver the engines to CTES in October 2012.

In Angola, MAN Diesel & Turbo has received an order from WinEnergy, a Portuguese EPC (engineering, procurement, and construction) contractor, to supply 49 MAN generator sets for ENE, Angola's state-owned energy supplier. The V28/32S genset engines have a total output of over 200 MW

The MAN Group is one of Europe's leading industrial players in transport-related engineering, with revenue of approximately €16.5 billion in 2011. As a supplier of trucks, buses, diesel engines, turbomachinery, and special gear units, MAN employs approximately 52,500 people worldwide. Its divisions hold leading positions in their respective markets.



and will be used in seven new power plants on the African continent. The order is worth several tens of millions of euro.

“The African continent offers huge potential for our plant solutions – from gensets to turnkey power plants,” said Dr. René Umlauf. “The new project will also open up opportunities for MAN PrimeServ, MAN Diesel & Turbo’s After Sales arm, which is already represented in Angola.”

The first engines to be supplied as part of the order will be used in the Cunene province, to the south of Angola, and will help to significantly increase the stability of the energy infrastructure there.