

Press Release

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MTU helps power Venezuela's oil and gas industry boom

Premier Venezuelan oil and natural gas company powers 12 drill rigs with MTU Series 4000 engines

NOVI, Mich, Nov. 21, 2013 – MTU, a leading producer of diesel engines and propulsion systems, was recently selected to power 12 new drill rigs owned and operated by PDVSA, Venezuela's state-owned oil and natural gas company, with its Series 4000 engine. Customized for the oil and gas market, this world-class engine is adapted for PDVSA's high run times and harsh operating environments. The 12 customized drill rigs feature a total of 35 Tier 2-compliant MTU 12V 4000 G43 engines, which make it the most fuel-efficient and environmentally friendly drill rig fleet in Venezuela.

"Fuel consumption is our drilling customer's largest operational cost. The Series 4000 engine offers superior fuel economy and industry-leading reliability," said David Oliphant, MTU director of oil and gas sales.

"MTU's highly-engineered engines demonstrate our commitment to delivering the global oil and gas industry's most rugged and efficient engines."

The industry renowned Series 4000 powers each of the PDVSA drill rigs, which were assembled by four Chinese manufacturers. Designed specifically for heavy-duty off-highway applications, the engine's rugged capability excels under the extreme conditions met in Venezuela's demanding oil and gas environment.

“Customers in emerging markets such as Venezuela face many of the same business challenges that are prevalent in other parts of the world,” said Dr. Michael Haidinger, chief sales officer, Tognum. “We constantly strive to produce the best products and provide the best service to our customers so they can overcome those challenges, regardless of their business environment.”



Strength in Oil & Gas Markets

First developed in 1996, the Series 4000 engines include 12- and 16-cylinder configurations for the oil and gas industry, and offer advanced emissions technology such as common-rail fuel injection and integrated cooled Exhaust Gas Recirculation (EGR) to meet current emission standards, including those established by the EPA. Proven in the field, the MTU Series 4000 provides a competitive advantage for companies operating in hyper-competitive oil & gas markets like Latin America, particularly Venezuela, which contains some of the largest oil and natural gas reserves in the world.

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About MTU

Under the brand MTU the Tognum Group markets engines and propulsion systems for applications in the marine, rail, power generation, oil and gas, agriculture, mining, construction and industrial, and defense markets. www.mtu-online.com

About Tognum America Inc.

Tognum America is a Tognum Group company and is responsible for the manufacture, sales and support of MTU and MTU Onsite Energy branded products in North and Latin America.

With its two business units, Engines & Propulsion and Onsite Energy, the Tognum Group is one of the world's leading suppliers of engines and propulsion systems for off-highway applications and of distributed power generation systems.

The product portfolio of the Engines & Propulsion business unit comprises MTU engines and propulsion systems for ships, for heavy land, rail and defense vehicles and for the oil and gas industry. The Onsite Energy business unit supplies distributed power generation systems carrying the MTU Onsite Energy brand. These comprise diesel engines for emergency power, prime power and continuous power, as well as cogeneration power plants based on gas engines and gas turbines that generate both power and heat. Tognum's product portfolio also features medium-speed engines built by Bergen Engines and fuel-injection systems built by L'Orange.

In 2012, Tognum generated revenue of €3.015 billion and employed over 10,000 people. Tognum has a global manufacturing, distribution and service structure with 31 fully consolidated companies, more than 140 sales partners and over 500 authorized dealerships at approximately 1,200 locations. Since mid-March 2013, Tognum AG has been a wholly-owned subsidiary of Rolls-Royce Power Systems Holding GmbH, a joint venture of Daimler AG and Rolls-Royce Group plc. www.tognum.com