

NEWS RELEASE

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Press Information

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Premiere for MTU's Tier 4i Series 2000 engines at CONEXPO

- **Compliance with emissions requirements using only in-engine technology**
- **Up to 8 percent saving on fuel compared to predecessor engines**
- **Constant power to an altitude of 10,168 feet**

DETROIT -- At the CONEXPO construction industry exhibition in March 2011 in Las Vegas, Tognum subsidiary MTU will be showcasing its new generation of Series 2000 engines for EPA Tier 4 interim emissions legislation due to come into force in the USA in 2011. MTU presented its solutions for up to 979 hp (730kW) for EPA Tier 4 interim and EPA Tier 4 final at the Bauma exhibition in Munich in spring 2010.

The Series 2000 covers a power range from 752 hp (561kW) to 1,560 hp (1,163kW) and is used, for example, in harbor and mobile cranes, excavators, underground and open-cast mining vehicles such as haul trucks and wheel loaders as well as for drilling equipment and pumps. It sets the standard for reliability, economy and performance. Despite the significant reduction in emissions limits, the new engines use up to 8 percent less fuel than their predecessors. In addition, they deliver constant power up to an altitude of 10,168 feet (3,100 meters) - which makes them the first in their class with this benefit to come onto the market. Life-cycle costs are also even lower than their predecessor's thanks not only to reduced fuel consumption but also to long TBO (time between overhaul) intervals which can be up to 18,000 hours depending on load profile. The 12- and 16-cylinder versions of the engines will be introduced onto the market in stages beginning mid-2011.



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Fig. 1: MTU Series 2000 engine for EPA Tier 4i

About MTU

MTU is the North American regional headquarters of MTU Friedrichshafen GmbH, one of the world's most important providers of diesel engines and drive and propulsion systems for ships, heavy-duty land and rail vehicles, and distributed energy. It offers a complete line of power solutions from 30 to 12,200 bhp (20 to 9,100 kW) for applications in the marine, rail, power generation, oil and gas, agriculture, mining, construction and industrial, and defense markets. MTU is the sales and after-sales organization of the Tognum Group in North America. www.mtu-online.com



Tognum

With its two business units, Engines and Onsite Energy & Components, the Tognum Group is one of the world's leading suppliers of engines and propulsion systems for off-highway applications and of distributed energy systems. These products are based on diesel engines with up to 9,100 kilowatts (kW) power output, gas engines up to 2,150 kW and gas turbines up to 45,000 kW.

The product portfolio of the Engines 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 portfolio of the Onsite Energy & Components business unit includes distributed energy systems of the brand MTU Onsite Energy and fuel-injection systems from L'Orange. The energy systems comprise diesel engines for emergency standby power, prime power and continuous power, as well as cogeneration power plants based on gas engines, fuel cells and gas turbines that generate both power and heat.

In 2009, Tognum generated revenue of €2.5 billion and employs more than 8,700 people. Tognum has a global manufacturing, distribution and service structure with 27 fully consolidated companies, more than 140 sales partners and over 500 authorized dealerships at approximately 1,200 locations. The shares of Tognum AG (ISIN: DE000A0N4P43) have been stock-exchange listed since 2007 and are included in the MDAX.