

PRESS RELEASE

TURBODEN AT GEOPOWER EUROPE 2009

The potential of Europe's geothermal resources

Munich, XX November 2009 – Turboden, a Pratt & Whitney Power Systems company, with expertise and experience in the design and manufacture of Organic Rankine Cycle (ORC) power generation systems, is going to participate at the **GeoPower Europe 2009** conference, organized in partnership with the European Geothermal Energy Council (EGEC). The conference will take place on **3-4 December 2009** at the **Hilton Munich City** hotel and bring together all key parties in the geothermal power generation supply chain – from government and investors to developers and technology providers.

Carlo Minini, Sales Manager, Geothermal Department at Turboden, will make a presentation on the topic “*Advances in binary technology for low temperature resource development*” highlighting the geothermal solutions offered by Turboden, which are enhanced thanks to the synergy with Pratt & Whitney Power Systems. This synergy refers to modularity (factory assembled systems), which ensures short lead times (6 months), custom-made solutions for bigger plants (over 1 MW), as well as new projects around 6 to 30 MW, which are being developed for the US, South East Asian, European, and Australian markets.

Turboden ORC power systems are particularly suitable for electricity production from geothermal resources with medium to low temperature, nominally ranging from **90°C to 180°C**. The standard module size is from 280 kWel to over 7MWel and is scalable for larger plants. The high efficiency of the ORC turbogenerator, maximised through two evaporation pressure levels and utilizing suitable (non-flammable) working fluids, make Turboden's technology very competitive. Moreover, Turboden's ORC technology offers very low operation and maintenance costs.

The Italian company has taken part in various EU funded demonstration projects in the past, in collaboration with universities as well as industry and trade associations. Turboden's European geothermal projects include the 1 MWel plant in Altheim (Austria), the 1,5 MWel plant in Soultz-sous-Forets (France) and the newly started smaller plant (200 kW) in Simbach (Germany), which uses underground water at 80° C as a heat source.

For more information about the GeoPower Europe 2009 and Turboden's participation, visit the website at:
<http://www2.greenpowerconferences.co.uk/v8-12/Prospectus/Index.php?sEventCode=GE0912DE>

Turboden

Turboden is an Italian company designing, manufacturing, supplying and servicing Organic Rankine Cycle (ORC) turbogenerators for the production of heat and electrical power from renewable sources, including solar energy, biomass, geothermal energy and waste heat. Turboden has more than 100 plants installed worldwide and offers standard turbogenerators from 200 kWel to 2,5 MWel. Homepage: www.turboden.it

Pratt & Whitney

Pratt & Whitney, a United Technologies Corp. company (NYSE:UTX), is a world leader in the design, manufacture and service of aircraft engines, industrial gas turbines and space propulsion systems. Pratt & Whitney reported an operating profit of \$2.12 billion in 2008 on revenues of \$12.97 billion. The company's 38,577 employees support more than 9,000 customers in 180 countries around the world.

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