

## Sortilemn, a primary supplier to IKEA, selects Turboden for biomass heat and power generation

### First Turboden combined heat and power ORC unit in Romania

**Brescia, Italy, 13 July** – Turboden, the leading manufacturer of Organic Rankine Cycle (ORC) turbogenerators, was awarded a contract for a 1.4 MW ORC cogenerative power plant for Romanian furniture manufacturer, Sortilemn SA. Turboden designs and develops ORC-based turbogenerators, a technology for the combined generation of heat and electrical power from various renewable sources, including biomass, solar, geothermal, and industrial waste heat. Turboden is a Pratt & Whitney Power Systems company and Pratt & Whitney is a United Technologies Corp. (NYSE:UTX) company.

[Sortilemn SA](#) started in the Sixties as a small veneer, plywood and chipboard producer, but today has grown to become a leader in wood furniture production as a primary supplier to such global brands as [Stokke Norway](#) and the giant furniture retailer [IKEA](#).

“Sortilemn has been very conscious about their environmental stewardship and wanted to reduce waste in the manufacturing process, and also increase efficiency in power generation for their operations,” said Paolo Bertuzzi, General Manager of Turboden. “By introducing Turboden’s easy-to-use ORC plant to their business they will be able to do just that and add a new stream of revenue from renewable energy production.”

The Turboden ORC unit will be installed in Gherla, Romania, and will generate 1.4MW’s of electricity and about 5.3MW’s of thermal power. Heat derived from the ORC unit will be used for the factory’s wood process treatment and electricity will be delivered to the grid. The Sortilemn factory consumes heat in its process for boiling logs, and in its wood presses, veneer and timber drying kilns. Start-up of the plant is expected in the 2nd quarter 2012.

Turboden has nearly 130 plants in operation in Europe fed by biomass, and 50 other plants under construction. Combined, Turboden and Pratt & Whitney Power Systems have over 250 ORC power plants sold worldwide. The Sortilemn plant is the second order Turboden has acquired in Romania; the first was a heat recovery plant for Holcim, a leading producer of cement in the region.

The ORC technology provided by Turboden is best applied for electric power generation, cogeneration and tri-generation by using renewable sourced like biomass, geothermal, solar thermal and by recovering heat from industrial processes, engines and gas turbines.

Turboden offers a spectrum of ORC products ranging in nominal output power from about 200 kW to 14 MW, and up. The ORC power system employs a closed-cycle process that uses relatively low to moderate temperature heat sources to generate electricity. ORC systems are driven by a simple evaporation process and are entirely enclosed, which means they produce virtually no emissions.

**Turboden**, a Pratt & Whitney Power Systems company, is an Italian company and a global leader in the design, manufacture, and servicing of Organic Rankine Cycle (ORC) turbogenerators, which harness heat to generate electrical power from renewable sources, including solar energy, biomass, geothermal energy and waste heat. Turboden has more than 130 plants installed in more than 20 countries and offers standard turbogenerators from 200 kWel to 4 MWel (standard units) and up to 14 MWel (customized units). Turboden is a specialist in ORC technology. [www.turboden.it](http://www.turboden.it)

**Pratt & Whitney** is a world leader in the design, manufacture and service of aircraft engines, space propulsion systems and industrial gas turbines. United Technologies, based in Hartford, Conn., is a diversified company providing high technology products and services to the global aerospace and commercial building industries.

**For more information:**

<p><b>Now!PR</b> Daniele Comboni / Mattia Zanetti <a href="mailto:danielec@nowpr.it">danielec@nowpr.it</a> / <a href="mailto:mattiaz@nowpr.it">mattiaz@nowpr.it</a> Mob. +39 348.2660714 / 335.7576144 Tel. +39 02.881290.1</p>	<p><b>Turboden</b> Alessandra Costa <i>Communication &amp; Marketing Manager</i> <a href="mailto:alessandra.costa@turboden.it">alessandra.costa@turboden.it</a> Mob. +39 345.3102649 Tel. +39 030.3552001</p>	<p><b>Pratt &amp; Whitney Power Systems</b> Matthew C. Bates <i>Communications Manager</i> <a href="mailto:matthew.bates@pw.utc.com">matthew.bates@pw.utc.com</a> Mob. 860-371-9857 Tel. 860-557-3595</p>
---	---	---