

CONCEPTS NREC

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Concepts NREC to present new product at Global Cleantech Meetup 2013 in Boston

White River Junction, VT, USA – November 8, 2013 — **Concepts NREC (CN)**, the world's leading full-service, independent turbomachinery design and development organization announces it will be presenting at the **Global Cleantech Meetup 2013** November 12-13, 2013 at the Seaport World Trade Center in the Seaport district of Boston, Massachusetts.

Keith D. Patch, the Organic Rankine Cycle (ORC) Product Manager for **CN**, will be presenting his paper "**CN300: A 300 kW_e Turbogenerator for Heat to Power Applications; Generate Renewable Electricity from Heat**" in the Renewables Session on Tuesday, November 12, 2013 from 3:30–4:30 pm. This paper will provide information on the development of **CN's** new product offering in their Organic Rankine Cycle (ORC) turbine-generator system product line, the CN300. "I'm looking forward to presenting at this conference, created by the Massachusetts Clean Energy Center's Global Cleantech Meetup Organizing Committee. This is the perfect venue for detailing the benefits of our new, patent-pending CN300 integral turbogenerator unit," says Patch.

The CN300 represents a breakthrough in ORC technology and combines many important features that the heat-to-power industry has been asking for. It is a customizable system that offers a significantly lower investment cost along with greatly reduced operating and maintenance costs.

CN's 50+ years of experience creating specialty turbo-machines culminates in this exciting new product. Features include:

- *Power recovery from 150 kW to 2.5 MW*
- *Heat recovery temperatures from 80° to 240° C*
- *Pressure ratios from 2:1 to 25:1*
- *Operable with a wide range of organic fluids*
- *Up to 4 stages in an axial rotor-nozzle subassembly cartridge design*
- *Hermetically sealed to eliminate shaft seal and any potential oil or refrigerant leakage*
- *Integral turbine / generator unit eliminates the interconnecting gearbox*
- *Magnetic bearings eliminate the cost, complexity, and maintenance of a separate lube oil system*



About Concepts NREC

Concepts NREC (CN) provides engineering design, software, manufacturing, and educational services for the world's leading turbomachinery organizations. For over half a century CN has provided manufacturers, users, government agencies, educators, and the engineering community at large with the technology, tools, services, and products to meet their needs, helped them achieve their goals, and aided in the development and production of the world's most advanced turbomachinery products.

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