

PRESS RELEASE

SIEMENS AND TURBODEN LAUNCH THE HEAT RECYCLE® SOLUTION

Small water-free combined cycles for distributed energy: combining the simplicity of the ORC technology and the proven performance of gas turbines results in a cost-effective alternative power plant.

Brescia, Italy - May 20th. Heat ReCycle solution is comprised of a Gas Turbine power plant with Organic Rankine Cycle technology (ORC). This combination of proven gas turbine and ORC-technology for efficient recovery of the waste heat is a response to the market challenges which various regions of the world are facing today.

*“The growing demand of simple, reliable and water-free of small to medium decentralized power plants can be efficiently satisfied by HeatReCycle solution”. Says **Nicola Rossetti, Turboden Sales & Business Development Manager***

Did you know that one billion people do not have any access to electricity, and another billion have a lack of reliable power supply; especially ones that are located in remote and isolated areas? Offering affordable electricity while taking into account the environment with water-free operation can be achieved with a reliable solution: Heat ReCycle® Solutions.

*“As the global electricity market is trending towards decentral power generation, this solution offers a great decentral power plant in the range upto 100 MWe.” Says **Wolfgang Klink, Siemens Heat ReCycle Business Owner.***

Developing remote areas. Heat ReCycle allows remote areas to be provided with highly efficient and reliable power generation. Unmanned operation in isolated regions enables deployment in desolate areas, supporting economic growth in these parts of the world.

Providing affordable electricity. Heat ReCycle offers electricity at the best possible cost over its lifetime while maintaining high efficiency. This means that both people and industries will have access to affordable energy for their daily needs.

Producing lower emissions. From an environmental perspective, highly efficient Heat ReCycle Power Plants produce lower emissions when compared to other technology that is typically used in remote areas, like diesel generators and reciprocating engines, resulting in lower NOx, CO2 and lower Unburned Hydro-Carbons (UHC) emissions.

Offering water-free solutions. Heat ReCycle is a water-free solution. In many regions in the world, water is a scarce resource. Heat ReCycle power generation allows water to be used for people, not for power.

For more information: www.siemens.com/heatrecycle

Turboden Spa - Mitsubishi Heavy Industries Group, is an Italian firm and a global leader in the design, manufacture and maintenance of Organic Rankine Cycle (ORC) systems up to 20 MWe, highly suitable for distributed power generation. ORC systems can generate electric and thermal power exploiting multiple sources, such as renewables (biomass, geothermal energy, solar energy), traditional fuels and waste heat from industrial processes, waste incinerators, engines or gas turbines. With around 380 plants in 42 countries, Turboden contributes to the worldwide efforts to mitigate global warming by creating reliable and low-carbon footprint products that are safe, cost-efficient and user-friendly. www.turboden.com

Siemens AG (Berlin and Munich) is a global technology powerhouse that has stood for engineering excellence, innovation, quality, reliability and internationality for more than 170 years. The company is active around the globe, focusing on the areas of electrification, automation and digitalization. One of the largest producers of energy-efficient, resource-saving technologies, Siemens is a leading supplier of efficient power generation and power transmission solutions and a pioneer in infrastructure solutions as well as automation, drive and software solutions for industry. With its publicly listed subsidiary Siemens Healthineers AG, the company is also a leading provider of medical imaging equipment – such as computed tomography and magnetic resonance imaging systems – and a leader in laboratory diagnostics as well as clinical IT. In fiscal 2018, which ended on September 30, 2018, Siemens generated revenue of €83.0 billion and net income of €6.1 billion. At the end of September 2018, the company had around 379,000 employees worldwide. Further information is available on the Internet at www.siemens.com