

Press Release

Highly Efficient Turbine for waste heat recovery

Swedish Climeon AB and German DEPRAG Schulz GmbH & Co. sign volume manufacturing agreement for a highly efficient turbine for waste heat recovery.

With its Climeon Ocean product line, Climeon has developed a highly efficient, profitable production of electricity, using hot water. Since more than half of the world's energy is wasted as "cold heat" or "hot water" there are vast market- and environmental potentials.

On the 26th of May Climeon AB and Deprag Schulz GmbH u. Co. signed a manufacturing agreement for a next-generation turbine generator called C3-GET-R160. The new turbine generator system will enable further improvements to the already world-class efficiency of the Climeon Ocean solution. The deal includes a production agreement allowing for large-scale manufacturing and global deployment.

The Climeon Ocean system uses low temperatures between 70 degrees and 120 degrees Celsius and converts this energy into electricity. At 90 degrees Celsius more than 10% of the heat is turned into electricity, which is more than 50% of the theoretical maximum.



Climeon Ocean 150 kW

"With this cooperation we expect a successful enlargement of our existing GET product range. Those Turbine Generators can be used in a lot of different applications like Energy recovery in Biogas- and Thermal power stations, stationary and mobile combustions engines or in smelt furnace plants. We are glad to have Climeon as a powerful partner with a very promising new technology", says Dr. Rolf Pfeiffer, Managing Partner of Deprag.



Climeon Ocean 300 kW

"An efficient turbine is critical for maximizing the customer value and Deprag's extensive experience for Turbine design and volume manufacturing is a perfect match for Climeon going forward. We have effectively worked together over the last 3 years and we are very glad that we now can take the next step in this cooperation", says Thomas Öström, Climeon CEO.

The Climeon Ocean solution has a wide range of applications including industrial waste heat (e.g. steel plants and paper production), large engines (e.g. ships and land-based), geothermal energy, solar heat and many more. The product range is scalable from 150 kW to 1MW and beyond.

"Already, our Ocean system has by far the highest efficiency on the market for the low temperature to electricity conversion and with this agreement we are further improving this position and also securing the volume manufacturing required by high customer demand", says Thomas Öström, Climeon CEO.

About Climeon:

Climeon's vision is to make the world better via brilliant innovations. Climeon's mission is to make customers more successful by challenging established truths. The groundbreaking Climeon Ocean solution converts hot water into electricity with attractive payback times.

About DEPRAG:

Deprag Schulz GmbH u. Co. is one of the market leaders in the manufacturing of air motors. From the development and production of the most varied of air drives over the last decade, turbine technology has become a new focus of the company. Under the registered trademark "GET", the company offers a decentralized energy recovery solution for a range from 3 kW to 120 kW. The owner managed family company has around 600 employees and is represented in over 50 countries worldwide.



DEPRAG Turbine Generator

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