
Press release

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MAN Energy Solutions and Orcan Energy agree to collaborate

Orcan Energy's waste heat recovery technologies are now available to MAN customers for retrofitting their engines

MAN Energy Solutions has signed a cooperation agreement with CleanTech company Orcan Energy. Above all, the companies want to collaborate when it comes to technologies for waste heat recovery.

Orcan Energy offers an energy-efficient solution, with the help of which waste heat from the engine can be used to simultaneously increase efficiency and reduce emissions. The efficiency PACK technology will be available to MAN Energy Solutions' marine and power plant customers for retrofitting their engines.

"We have made it our mission to reduce harmful emissions," said Dr. Uwe Lauber, CEO of MAN Energy Solutions, commenting on the new collaboration. "This also means that we are offering our customers the most advanced technologies for optimizing the efficiency and environmental friendliness of their systems."

"Orcan Energy is a real expert in utilizing waste heat, and has established a high-performance product line on the market that we are making available to our customers," said Dr. Thomas Spindler, Head of Upgrades & Retrofits at MAN Energy Solutions. "This allows them to increase the efficiency of their MAN engines with leading technology for utilizing waste heat."

When equipped with an Orcan Energy efficiency PACK, the efficiency of a MAN 18V48/60 engine, for example, can be increased by almost four percent, thereby saving 1,220 tons of fuel and 3,830 tons of CO₂ per year.

"MAN Energy Solutions is a global player with a large network of customers. We have the same high quality requirements and serve the same target group. We are, therefore, happy that we can now put our products on the market even faster thanks to this new sales channel, and boost the use of energy-efficient solutions worldwide," explains Dr. Andreas Sichert, CEO of Orcan Energy AG.

Orcan Energy's energy-efficient solutions are based on ORC (Organic Rankine Cycle) technology. Orcan Energy has repurposed this technology, until now used primarily in large-scale systems, for use in the modular product sector. The technology works in a similar way to steam power plants. By using organic media, which evaporate at lower temperatures than water, the waste heat can also be used at comparatively low temperatures of 60 degrees Celsius and above. This allows engine exhaust gases, as well as steam, thermal oil and cooling water, to contribute to reducing CO₂ emissions simply and efficiently.



Dr. Uwe Lauber (left), CEO of MAN Energy Solutions, and Dr. Andreas Sichert (right), CEO of Orcan Energy AG.

MAN Energy Solutions enables its customers to achieve sustainable value creation in the transition towards a carbon neutral future. Addressing tomorrow's challenges within the marine, energy and industrial sectors, we improve efficiency and performance at a systemic level. Leading the way in advanced engineering for more than 250 years, we provide a unique portfolio of technologies. Headquartered in Germany, MAN Energy Solutions employs some 14,000 people at over 120 sites globally. Our after-sales brand, MAN PrimeServ, offers a vast network of service centres to our customers all over the world.

Orcan Energy AG is a leading European CleanTech company that develops, manufactures and sells efficient energy solutions for the conversion of waste heat into electricity based on Organic Rankine Cycle (ORC) technology. Orcan Energy was founded in 2008 by Dr. Andreas Sichert, Dr. Andreas Schuster und Richard Aumann, with the aim of providing companies from a variety of industry sectors a simple, cost-saving and efficient energy solution that unlocks the enormous potential of unused industrial waste heat sources. So far, Orcan Energy AG has sold more than 200 modules globally, making it the largest provider in the low-temperature sector universally. Orcan Energy customers benefit from clean electricity at the lowest cost of energy worldwide. Given the enormous global waste heat potential, the company sees itself as an indispensable player in the energy world of tomorrow. Orcan Energy has established a joint venture with VPower Group International Holdings LTD, China's leading Integrated Power Generation Company, and the financially strong CITIC Pacific Ltd to develop new markets in Asia. Orcan Energy AG employs 60 people and is headquartered in Munich. More information on Orcan's products, services and careers can be found at www.orcan-energy.com

