

## Goltens signs partnership with Orcan Energy for the implementation of Marine ORC systems

### Press Release

14 July 2025

**Dubai, UAE:** *Goltens Worldwide, a global leader in ship repair, retrofit, and green marine technologies, has signed an agreement with Munich-based cleantech company **Orcan Energy AG**, a pioneer in waste heat recovery solutions, to become a preferred and authorized engineering and installation partner for Orcan's Marine Organic Rankine Cycle (ORC) systems.*

Under the agreement, Goltens will provide international engineering, project management, installation, and commissioning support for Orcan's modular ORC systems, which convert low-temperature waste heat from ship engines into clean electrical power. The partnership enables shipowners and operators to leverage Goltens' proven expertise in complex marine retrofits and Orcan's class-approved energy efficiency systems to achieve fuel savings and reduce CO<sub>2</sub> emissions in line with EEXI, CII, and FuelEU Maritime compliance targets.

"Our partnership with Goltens marks a significant step in scaling up the deployment of our ORC technology in the marine industry," says Andreas Sichert, CEO of Orcan Energy. "Waste heat recovery is one of the most powerful and underutilized tools for improving energy efficiency. In shipping alone, over 100 TWh<sub>th</sub> of waste heat could be harnessed. By combining Goltens' deep engineering and retrofit presence with our proven ORC systems, we're empowering shipowners to transform this untapped energy into clean, cost-effective power."

"Joining forces with Orcan Energy to accelerate the adoption of innovative energy efficiency technologies across the maritime sector is another milestone for Goltens," added Goltens Worldwide CEO Sandeep Seth. "Orcan's modular ORC systems represent a powerful tool in helping shipowners turn waste heat into a tangible performance and emissions advantage – and we are proud to support the design, integration, and delivery of these systems worldwide."

Goltens will offer engineering assessments, feasibility studies, installation design, and full turnkey retrofit support from its global network of engineering and service hubs. The partnership reflects Goltens' ongoing investment in decarbonization solutions and strengthens its position as a trusted retrofit partner for energy efficiency systems and solutions.

Orcan Energy's Marine ORC solutions have been successfully installed across a wide range of vessel types, demonstrating reliable performance and measurable emissions reductions, helping ship owners to comply with continuously tightening regulatory requirements. The systems are fuel-agnostic and can be adapted both to newbuilds and retrofit installations. With Goltens and

Orcan's long-standing partner Alfa Laval, Orcan is now working closely with two leading players of the global marine industry.

### **About Goltens Worldwide**

Goltens is truly global and a trusted partner of choice providing comprehensive engine and turbine services, bespoke in-place machining solutions, energy control solutions, afloat services and environmental and sustainability compliance solutions from 28 locations in 15 countries across the globe, serving more than 3,700 clients each year. <https://www.goltens.com/>

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### **About Orcan Energy AG**

Orcan Energy AG is a leading German Cleantech company developing turn-key energy efficiency solutions that convert waste heat into clean, affordable baseload electricity. With its innovative efficiency PACKs – modular, containerized power plants based on Organic Rankine Cycle (ORC) technology – Orcan Energy helps industries such as cement, metals, automotive, oil and gas, power generation, geothermal, and shipping significantly reduce CO<sub>2</sub> emissions and energy costs. By relying exclusively on proven industrial standard components, Orcan Energy's technology ensures high reliability, ease of installation, and minimal maintenance. Orcan Energy has already marketed more than 600 modules with over 7 million operating hours internationally. The company has more than 80 employees and is headquartered in Munich, Germany.

For more information about the company, its products and applications, visit [www.orcan-energy.com](http://www.orcan-energy.com).