

PRESS RELEASE

The Biggest in Taiwan: 10 MWe Heat Recovery ORC Power Plant from Biomass Fuel.

Turboden secures yet another Contract in Asia: after Malaysia, India, South Korea, The Philippines, Singapore and Japan, also **Taiwan welcomes Turboden ORC** heat recovery plant.

The new ORC plant, **the biggest** of its kind in **Taiwan**, will recover saturated steam at low pressure from biomass fuel to produce 10 MWe electricity.

Turboden team has closely worked with the final customer to understand the specific requirements to engineer the most performing ORC unit and to ensure a good economic feasibility for the entire project, in full respect of the local regulations.

The high conversion efficiency of the ORC (very suitable for low temperature sources), the reliability and the experience of the Company, have made Turboden turbogenerator the only choice to ensure a secure income from the sale of electric energy throughout the power plant life.

“Turboden is aggressively approaching the Asian countries with very good results. Customers are attracted by the quality of our product and the wide competence of the Company to provide a solution for any type of process and heat source, together with the strength of a solid after sale assistance” states Paolo Bertuzzi, Turboden CEO.

As well as in the rest of the world, Turboden customers in Asia can count on a timely response to request of plant intervention, thanks to a well-organized and experienced overseas staff.

Other Companies in Taiwan are approaching Turboden for different applications (glass industry, geothermal ...) and many others in Asia are committed to lower their carbon footprint by installing an ORC turbogenerator.

The major players in glass, cement, steel industry and other (AGC, Saint-Gobain, Posco, Aichi, Holcim, Mitsubishi ...) have already chosen Turboden, sometimes with multiple orders, to increase their competitiveness through energy efficiency, thus confirming the outstanding competence and leadership of Turboden.

South East Co.. Ltd is exclusive agent of Turboden in Taiwan

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Turboden, a Mitsubishi Heavy Industries company, 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.

***Organic Rankine Cycle:** The Rankine Cycle is a thermodynamic cycle that converts heat into work. The heat is supplied to a closed loop, which typically uses water as working fluid. The Organic Rankine Cycle's principle is based on a turbogenerator working as a conventional steam turbine to transform thermal energy into mechanical energy and finally into electric energy through an electrical generator. Instead of generating steam from water, the ORC-system vaporizes an organic fluid, characterized by a molecular mass higher than that of water, which leads to a slower rotation of the turbine, lower pressures and no erosion of the metal parts and blades.