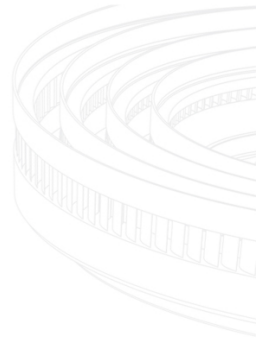




EXERGY



COMPANY	
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ORC system

Italian firm Exergy, a manufacturer of ORC systems with Radial Outflow Turbine technology, in partnership with Baker Hughes, has been awarded a contract for the engineering, design and construction of a 5 MW ORC unit for waste heat recovery from GTs in an LNG plant in Thailand.

The customer, Samsung Engineering, acts as EPC contractor for the final cus-

tomers and user, PPT LNG, in its regasification terminal located in Rayong. This ORC solution recovers the exhaust heat downstream generated from two Solar Mars 100 GTs installed in the LNG plant for regasification.

The cooling system employs cold water coming from the LNG regasification cycle as heat sink, in a temperature range between 5-38 °C, with no water consumption. The heat recovery plant exploits a large amount of the residual heat, otherwise discharged by the GT into atmosphere, increasing the efficiency of power production and reducing the environmental footprint of the power plant. The ORC will start commercial operation in the first half of 2019.