



Press Release

ENERGY EFFICIENCY FOR THE INDUSTRY– EXPORT – CLEANTECH – INNOVATION

ENERTIME has signed a contract with SUEZ for the construction of an Organic Rankine Cycle (ORC) power plant to improve the energy efficiency of the incinerator of SYVEDAC in the city of Caen.

Courbevoie, March 29th. 2016

ENERTIME, a French leader in industrial thermodynamic machines for the transition to a low carbon economy and SUEZ (SIRAC) the operator of the waste to energy plant of the SYVEDAC (Waste disposal utility of the City of Caen) today announced having signed a contract to design, manufacture and commission an ORC plant which will recover seasonal excess heat resulting from the incineration of household waste from the city of Caen.

The Caen Waste to Energy Plant feeds a heating network and has therefore excess of heat when the outside temperature is mild, in the form of pressurized water at 190°C. This surplus will be transformed into electricity by an ORC plant producing up to 2 MWe with potential to supply heat at 45 °C to consumers.

This project will put this Waste to Energy Plant at a higher level of energy efficiency and demonstrates the relevance of ENERTIME's offer for the optimization of Waste to Energy Plant and more generally, of all industrial processes with an excess of heat.

Gilles DAVID, CEO of ENERTIME declares: "*Beyond the recognition of the performance of our ORC solution by a French world leader in environmental technology like SUEZ, it is the entire French industrial SMEs sector working for the low carbon economy which is in the spotlight. SUEZ is strongly committed to sustainable high-tech solutions that Cleantech start-ups can bring, this represents a great potential in the field of industrial energy efficiency and the environment in France and abroad.*"

Philippe Maillard, General manager of recycling and waste recovery activities at SUEZ in France declares: «SUEZ and its partner ENERTIME put their expertise at the service of the SYVEDAC to improve the energy efficiency and environmental performance of the territory, with the production of green and renewable energy. By valuing waste into new energy resources, the SYVEDAC is therefore a real actor and developer of the circular economy, and the SUEZ group is proud that the solution proposed with its partners can accompany the SYVEDAC in this transformation».

ENERTIME: transforming heat into electricity

Founded in 2008, ENERTIME designs and builds Organic Rankine Cycle (ORC) modules for energy efficiency and renewable energy production. ORC machines transform heat from 90°C and above into electricity.

ENERTIME is one of the five global players worldwide fully mastering the technology for large ORC machines (1 MW and more).

ENERTIME: an international player

The company addresses markets such as India, China, South Korea, Ukraine, Canada and the Philippines. ENERTIME has recently signed two contracts in China for the supply of a complete ORC module and an ORC turbine for steel mills in Baosteel in Shanghai and Baotou Steel in Baotou, Inner Mongolia.

ENERTIME thus strengthens its position as a leading actor of the ORC technology in France and internationally, particularly on the waste heat recovery applications.

The ORC technology developed by ENERTIME

ORC or Organic Rankine Cycle machines transform heat from 90°C and above into electricity.

The technology is particularly suitable for improving the energy efficiency of energy-intensive industries (steel, cement, glass and refinery) and of engines and gas turbines (in diesel, gas engine or gas turbines power plants and gas compression stations). For these applications the ORC machines are sold directly to industrial and energy-producing customers or are operated by ENERTIME under an energy efficiency as a service contract under the EASE© offer.

The technology is also the future of electricity generation from deep geothermal resources and combined heat and power generation from biomass for eco-districts.

ENERTIME – www.enertime.com

ENERTIME is an innovative industrial company in the field of energy efficiency and renewable energy production. ENERTIME designs and builds turbomachinery and integrates them in ORC (Organic Rankine Cycle) machines and high temperature heat pumps. The Company is also an EPC Contractor for turn-key projects involving its modules and an Energy Service Provider via its EASE© offer

The company is headquartered in Ile-de-France region with offices in Lyon and Strasbourg and has representatives in the Reunion Island, the Philippines and Canada. The Company employs 33 people in France including 25 engineers.

SUEZ

We are at the dawn of the resource revolution. In a world facing high demographic growth, runaway urbanization and the shortage of natural resources, securing, optimizing and renewing resources is essential to our future. SUEZ supplies drinking water to 92 million people, delivers wastewater treatment services to 65 million, collects waste produced by almost 50 million, recovers 14 million tons of waste each year and produces 5,138 GWh of local and renewable energy. With 80,990 employees, SUEZ which is present on all five continents, is a key player in circular economy for the sustainable management of resources. SUEZ generated total revenues of €14.3 billion in 2014 including €3,5 billion in its recycling and waste recovery in France.

The SYVEDAC

The Consortium for the resource recovery and waste disposal of the great Caen is a 6 members group; It processes and recycle waste from 97 municipalities, representing 297 000 inhabitants. The SYVEDAC has renewed its industrial partnership with SUEZ (SIRAC) for the

operation of his waste to energy unit for 15 years. This cooperation will develop the performance and the energy mix of the plant to produce more green energy and supply new customers in electricity and steam.

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