



## Press Release

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### ENERGY EFFICIENCY FOR THE INDUSTRY– EXPORT – CLEANTECH – ENERGIE AS A SERVICE – INNOVATION

## **ENERTIME is selected by the French Energy Agency ADEME for a funding to develop a high-power ORC machine to be deployed under an ESCO, energy as a service model.**

Courbevoie, February 23. 2016

ENERTIME, a French leader of industrial thermodynamic machines for the energy transition, has been selected for a grant and loan from the French Energy Agency ADEME for its project ORCASIL.

The objective of ORCASIL is the installation and operation of a 3 MWe Organic Rankine Cycle module (ORC) on one of the FerroPem silicon production furnace in Angletfort plant (Ain-France) (Group FerroAtlántica). FerroPem will be a partner in the project.

The installation will improve the energy efficiency of the furnace by approximately 10% producing 17 GWh of electricity per year.

The total project cost amounts €9.0 million over 3 years and will be partially funded under the PIA program operated by the ADEME for an amount of €3.5 million in the form of grants and loans.

The project will operate on an ESCO model (energy as a service). ENERTIME will organize the overall financing of the project, and will be in charge of the operation of the ORC module under a service contract.

### **ENERTIME: transforming heat into electricity**

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Created 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**

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With about half of orders carried out internationally, the company addresses markets such as India, China, South Korea, Ukraine, the 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.

For Gilles DAVID, CEO of ENERTIME, *"The ORCASIL project aims at the development of an innovative energy services offer around ORC. The innovation that we bring today is double, a technological innovation but also an innovation of service through our EASE© offer (Energy efficiency As a Service by Enertime), based on the "ESCO" model. The project will serve as a reference and model, not only for all other plants in the sector, in particular those of FerroPem, but also for all energy intensive industries worldwide which would thus benefit from similar, technical and financial turn-key solutions provided by ENERTIME"*

## **The ORC technology developed by ENERTIME**

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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](http://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.

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