Enertime’s ORC modules improve the energy performance of factories by valorizing waste heat of industrial processes into electricity from following resources:

- Waste gas and hot air at temperatures above 250°C
- Liquids and steam above 130°C

It replaces conventional cooling systems (gas and liquid) with a heat recovery system.

Industrial customers improve their energy efficiency and decrease electricity bills by consuming or selling to the grid the generated power, without greenhouse gas emissions.

Our ORC systems are best suited for raw material processing plants and heavy industry, where technological processes generate large quantity of waste heat (several MWth): Cement, Glass, Foundries, Steel mills, etc.

The ORC technology is ideally suited for industrial waste heat recovery including fluctuating sources with excellent partial load efficiency.

Robust and efficient, our machines are fully automated without the need for a dedicated operator or skilled technician for regular maintenance.

Enertime produces customized ORC modules adapted to the needs and requirements of its customers; adjustment to the available thermal power, use of different primary fluids (steam, thermal oil, hot water), integration into a limited space or with constrained accessibility requirements.

Compact and modular, our solutions are easy to implement on-site without impacting the production process and require little civil works and connection.

The use of dense organic fluids also avoids the traditional steam auxiliary installation (feed water tank, water treatment, ...).

Enertime also offers a full range of services for the maintenance and operation monitoring of its ORC machines.
Enertime’s ORC machines are designed to maximize power output and profitability of projects based on available resources and customer requirements; multiple heat sources, integration in a limited space, steam cogeneration, seawater cooling ...

Our scope is adjusted to the industrial capabilities of our customers and industrial partners, ranging from turbine supply and cycle engineering to complete ORC modules or turnkey projects.

Enertime can also propose a third-party financing offer.

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**PRODUCT RANGE**

<table>
<thead>
<tr>
<th>MEDIUM TEMPERATURE</th>
<th>HIGH TEMPERATURE</th>
</tr>
</thead>
<tbody>
<tr>
<td>THERMAL CARRIER</td>
<td>Superheated water / steam / thermal oil</td>
</tr>
<tr>
<td>TEMPERATURE</td>
<td>130 to 210°C (inlet) / 80 to 130°C (outlet)</td>
</tr>
<tr>
<td>THERMAL POWER</td>
<td>2 000 to 4 000 kWh</td>
</tr>
<tr>
<td>RATED CAPACITY</td>
<td>500 to 7000 kWe</td>
</tr>
<tr>
<td>GROSS EFFICIENCY</td>
<td>10% to 13%</td>
</tr>
<tr>
<td>COLD SOURCE</td>
<td>ACC*</td>
</tr>
<tr>
<td>FLUID</td>
<td>R1233zdE / R245fa</td>
</tr>
</tbody>
</table>

* ACC (Air-cooled condenser) | WCC (Water-cooled condenser)

Enertime also provides industries with:
- Standard medium temperature modules for smaller applications
- Industrial high temperature Heat Pumps to valorise low temperature resources
- Natural gas expansion turbines

Enertime’s machines up to 1.5 MWe are delivered in a container or on a skid. Larger machines are installed directly on the customer’s final site.