



We transform energy.
From heat to clean electricity.

ORC APPLICATION BIOGAS ENGINES



*Outdoor solution



*Indoor solution

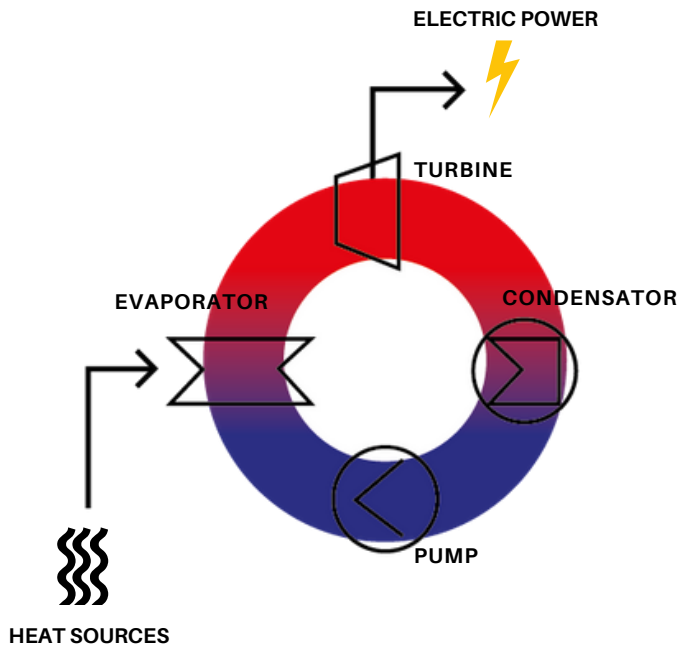
ULH SERIES

Solution to exploit low-temperature thermal sources.
Available in a power range from 30 to 100 kWe.

LT SERIES

Solution for small-scale primary power generation.
Available in a wide range of models ranging from 75 to 550 kWe.

HEAT SOURCES



TECHNICAL NOTES

ULH SERIES

Thermal Energy Input	350 - 1200 kWt
Electric Power Output	30 - 100 kWe
System Efficiency	8,50 - 9,10 %
Weight (incl. working fluid)	~ 3.100 - 6.500 Kg
Interfaces	Hot water ($\geq 94^{\circ}\text{C}$)

LT SERIES

Thermal Energy Input	550 - 3500 kWt
Electric Power Output	75 - 561 kWe
System Efficiency	13,60 - 16,00 %
Weight (incl. working fluid)	~ 4.000 - 21.500 Kg
Interfaces	Pressurized water ($\geq 160^{\circ}\text{C}$)

ADVANTAGES

SIZE ADAPTABLE

The small dimensions and power rating make them **ideally suited for a distributed installation capable of intercepting heat.**

GREEN

Water as vector fluid and **safe/green, non-toxic, non-flammable and ozone-friendly working fluid.**
No atmospheric emissions.

SYSTEM RELIABLE

Simplification of retrofitting to existing systems, making the **system reliable and allowing unparalleled recovery efficiency.**

CASE STUDY

Model: Zuccato Energia ZE-400-LT
Net power production: 352,30 kWe
Electricity Selling Price: 167,40€/MWh

Revenue from Electricity

501.287,67 €/y
 Annual electric energy production: 2.994,55 MWh/y

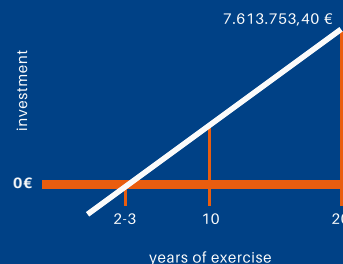


GOALS OF THE COMPANY

Profit of Investment - ORC

Environment-friendly

Pay-Back Time
2,92 years



559

TOE (Tonne Oil Equivalent) SAVE



BIOGAS ENGINE

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