



The Small Turbine ORC Company



ENOGIA

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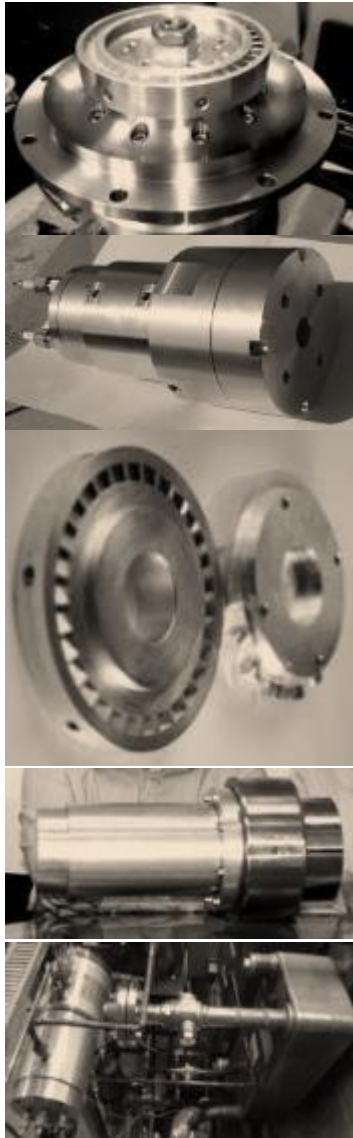


Enogia designs and produces **Organic Rankine Cycle** micro-powerplants that convert **waste heat** into **electrical power**.

- an **innovative** company since 2009
- head office and facilities in **Marseilles, France**
- **25 employees** including 18 highly skilled engineers
- 40 References in **13 countries**
- **Strategic partnership** with the famous research group



› ENOGIA's turboexpander technology



Proprietary hermetic **high speed turboexpander** technology

Why the **kinetic turbogenerator** ?

- **Proven concept** on larger ORC units
- **No friction**, no wear

Hermetic turbogenerator with PMG generator inside

- No **fluid leaking**
- **Reduced** maintenance

Extremely **Compact** units

Made in France with EU only components, in house assembly

➤ New faces !



Ing. Nicolas Goubet
Co-founder & Expert
Ex. CNC machine designer
at Forest Liné



Ing. Antonin Pauchet
Co-founder & CFO
Ex. senior auditor at
PriceWaterhouseCoopers



Ing. Arthur Leroux
Co-founder & CEO
Ex. R&D project
manager at Bertin Technologies



Dr. Bruno Malnar
Business Manager
Ex. DG DECIDAE
Ex. Responsible Simulation
Numérique at Bertin
Technologies



Ing. A.C. Mintsa
Quality Manager
Ex. CNRS research fellow



Ing. Benoit Paillette
Sales Manager
Engineering & Business
Master's degree, sales
engineer at ENOGIA

➤ Product range

Product range	« LT » (Low Temperature)	« LT/DC » (Low Temperature / Direct Condensation)	« MT » (Medium Temperature)
Hot side conditions	80-120°C hot water inlet	80-120°C hot water inlet	150-200°C hot water or oil inlet
Working fluid	R-245fa	R-245fa	New Generation Refrigerant (GWP=1)
10kW (gross electric power)	ENO-10LT	ENO-10LT/DC	ENO-10MT
20kW (gross electric power)	ENO-20LT	ENO-20LT/DC	ENO-20MT
40kW (gross electric power)	ENO-40LT		ENO-40MT
100kW (gross electric power)	ENO-100LT		ENO-100MT (Under development)



ENO-10LT



ENO-20LT



ENO-40LT



ENO-100LT

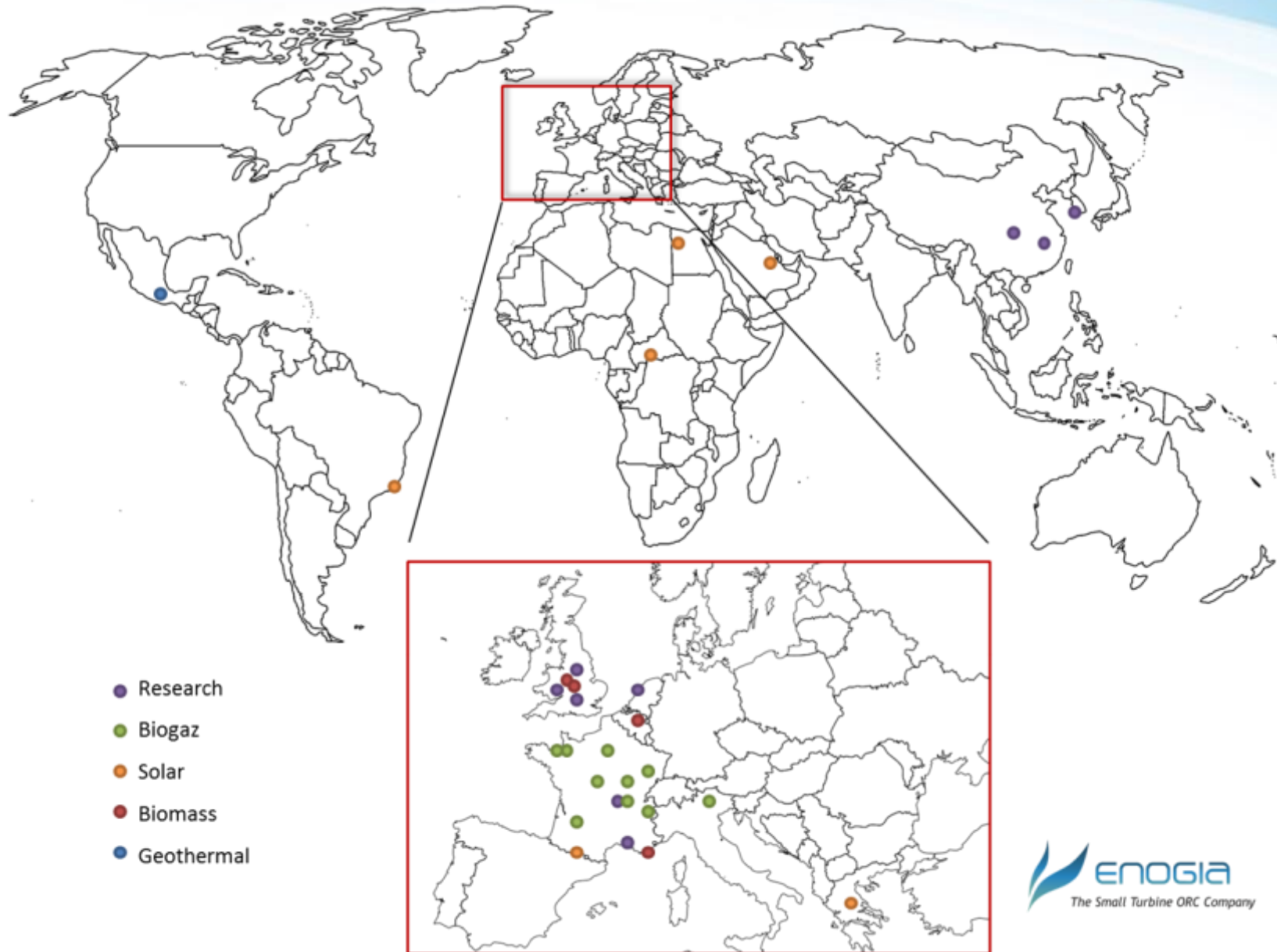


ENO-10LT/DC



ENO-20LT/DC

> 2016 References



➤ Recent achievements

- Company moved to new factory, but still in Marseilles, France !



➤ Recent achievements

- Solar applications



➤ Recent achievements

- Biomass applications



➤ Recent achievements

- Biogas turbines and gensets



➤ Recent achievements

- OTEC demonstrator



➤ What is next ?

- ENOGIA targets transportation with our trusted partner IFP Energies Nouvelles
- Boats and Trucks



➤ Contact information



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