



MARKET SEGMENTS

**Biogenic & Synthetic  
Gaseous Fuels**

Energy Storage  
Industry  
Municipality

**B**

BOOTH NO.

**B02 Enosis · France**

**Product:** Aerio (biomethanation reactor)

A biomethanation reactor that converts biogas, syngas and CO<sub>2</sub> into methane and provides flexibility services to the electrical grid

**THE NEED.** Renewable gases need to be upgraded in order to be injected into the gas grid. Biomethanation makes it possible to increase methane content by converting CO<sub>2</sub>, CO and H<sub>2</sub> into methane and by reaching grid specifications.

**THE SOLUTION.** Enosis' product is a methanation unit comprising of a reactor which is inoculated with methanogenic microorganisms and its control command. Enosis also provides maintenance services linked to its methanation reactor and sells specifically developed methanogenic consortiums.

**KEY FEATURES.**

- Biocatalyst resilience to pollutants and on-off cycle.
- Biocatalyst self-regeneration.
- Output gas matching gas grid specifications (CH<sub>4</sub> > 97%).
- Simple reactor architecture.

**VALUE PROPOSITION.**

- Increased turnover for biogas plants.
- Low CAPEX.
- Low OPEX.

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**THE TEAM**

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**STRATEGIC PARTNERSHIPS/  
CUSTOMER REFERENCES**

Engineering companies  
(EPC = Engineering, Procurement, Commissioning) in the field of waste, energy, environment.  
Developers of renewable gas projects.  
Site Operators: Industrialists, Energy and Waste Management Unions

✓ **COMMERCIALISED**