Upgrading landfill gas with WAGABOX®

October 2023
Meet Waga Energy

We are Engineers, Entrepreneurs, and Environmentalists committed to mitigating climate change for Future Generations

Founded in 2015 by ex-Air Liquide Engineers

Headquartered in France with subsidiaries in the USA, Canada, Spain, Italy & the UK

180+ landfill gas to energy experts worldwide

Inventors of the WAGABOX®, a breakthrough technology dedicated to landfill gas upgrading

18 WAGABOX® facilities in operation, & 16 projects in build.

Upgrading landfill gas with WAGABOX®
Upgrading landfill gas to biomethane has a double contribution to the fight against climate change:

1. Most efficient use of the Landfill Gas resource
2. Production of local renewable energy which is a drop-in low CO₂ replacement for natural gas.
What does Waga Energy do?

We are pure players in upgrading landfill gas to grid compliant biomethane, a drop-in renewable alternative to natural gas.
Leaders in Biomethane from Landfill Gas

Global KPI Data

18
WAGABOX® units in operation in North America & Europe

16
Biomethane production projects under construction around the world

5
subsidiaries in the US, Canada, UK, Spain and Italy

+590TWh
of renewable energy produced

65 million
cubic meters of Biomethane injected in natural gas grids

+150,000
tons of CO₂eq emissions avoided

Upgrading landfill gas with WAGABOX®

31.10.2023
Where is Waga Energy operating?

Waga Energy locations worldwide

18 WAGABOX® facilities in operation, & 16 projects in build.
WAGABOX®

Cutting Edge technology for landfill gas recovery

- By combining membrane filtration and cryogenic distillation, WAGABOX® Technology overcomes the challenges of landfill gas treatment.
- Biomethane quality is maintained regardless of the quality of the raw landfill gas.
- WAGABOX® can process up to 30% air in raw landfill gas.
- WAGABOX® Technology is the result of 10 years of R&D at Air Liquide and at Waga Energy. It is protected by 6 international patents.
- Source of recoverable Bio-CO₂
- Predictable electricity consumption whatever the landfill gas composition
A Closer look at a WAGABOX®: WB800

1. H₂S removal
2. VOC removal
3. CO₂ separation
4. CO₂ polisher
5. N₂ & O₂ removal
6. Offgas destruction
Waga Energy

A Unique position as an integrated biomethane producer

- **Development**: Upgrading landfill gas with WAGABOX®
- **Financing**: Project development & Financing 6-24 months
- **Construction**: Pre-assembly and construction 12 - 18 months
- **Operations & Maintenance**: Operational phase & O&M 10 - 20 years
- **Biomethane Sales**: 31.10.2023
Thank You

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