

# 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



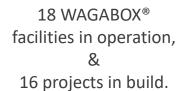
180+ landfill gas to energy experts worldwide



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



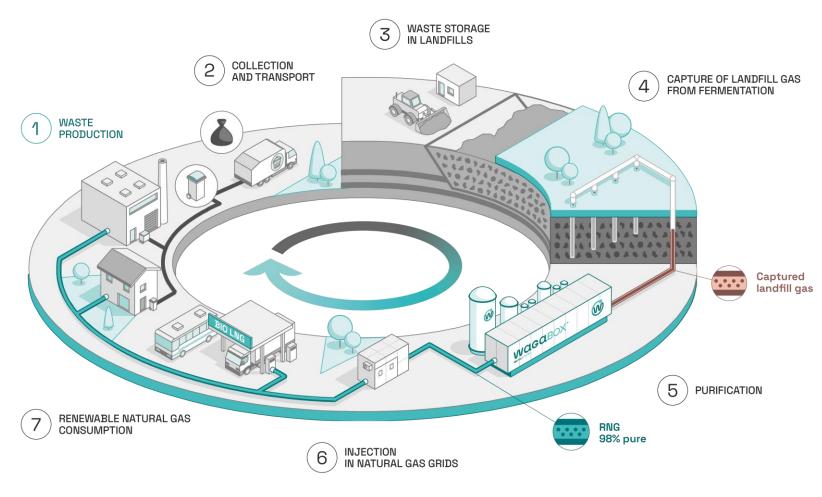
Inventors of the WAGABOX®, a breakthrough technology dedicated to landfill gas upgrading





### **Biomethane for Everybody!**

#### The Circular Economy



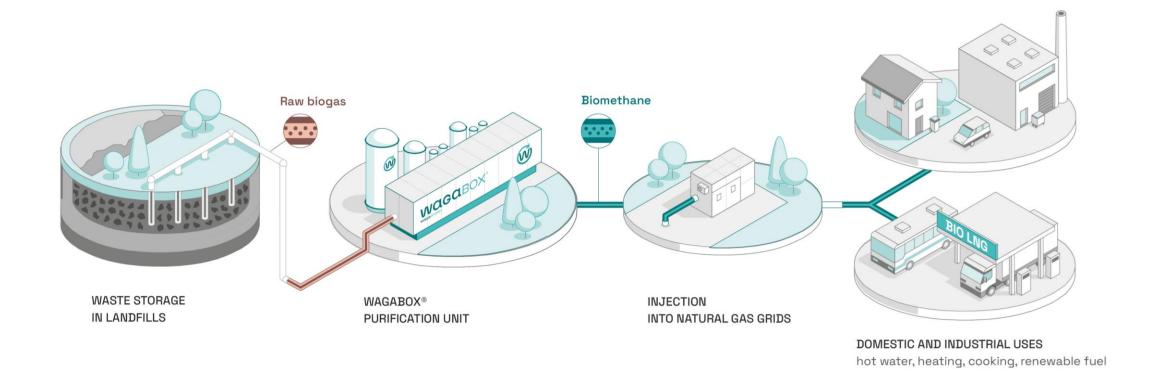
Upgrading landfill gas to biomethane has a double contribution to the fight against climate change:

- Most efficient use of the Landfill Gas resource
- 2. Production of local renewable energy which is a drop-in low CO<sub>2</sub> 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

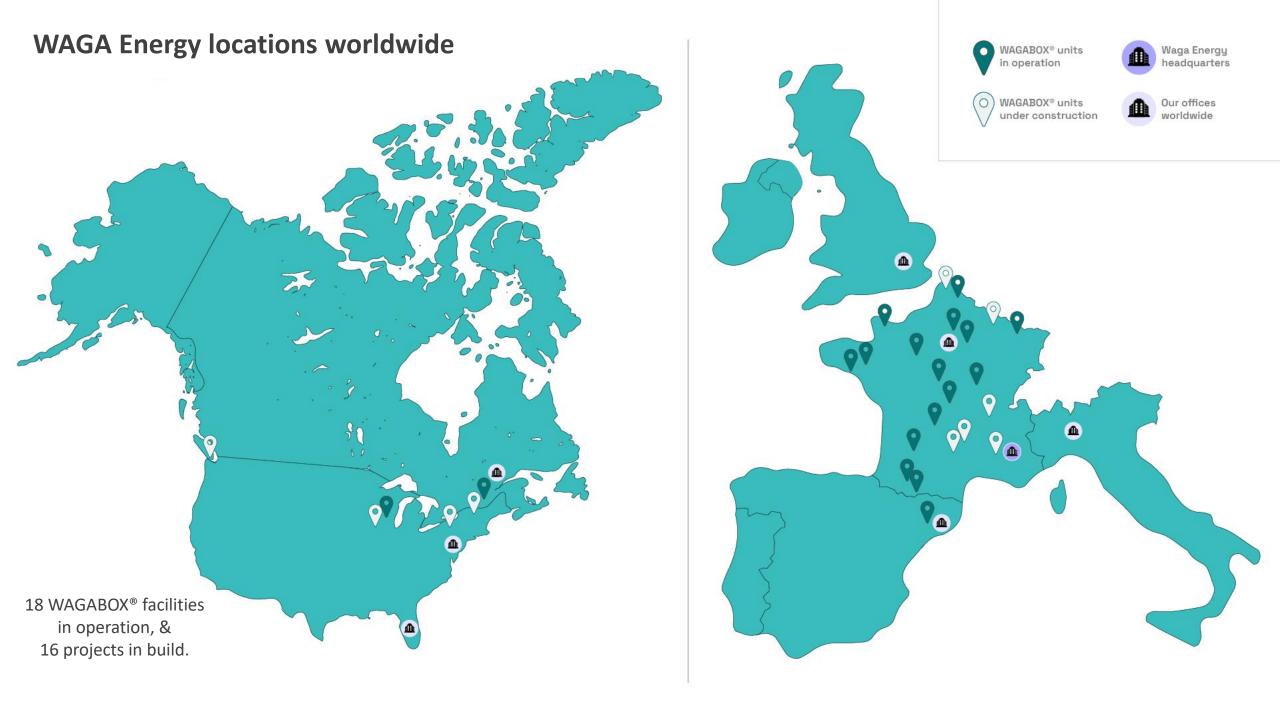
of renewable energy produced

65 million

cubic meters of Biomethane injected in natural gas grids +150,000

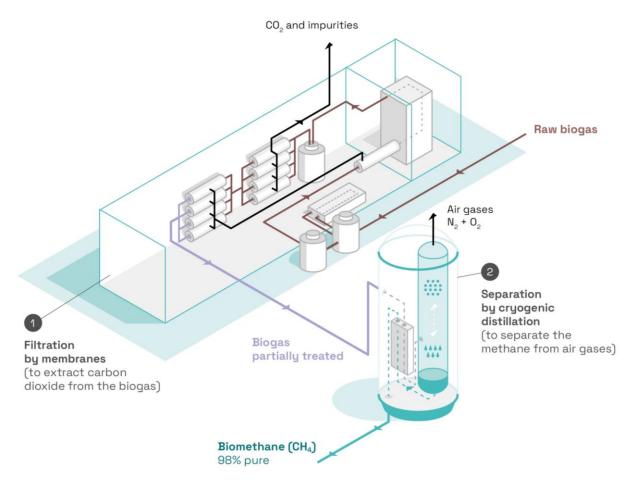
tons of CO<sub>2</sub>eq emissions avoided





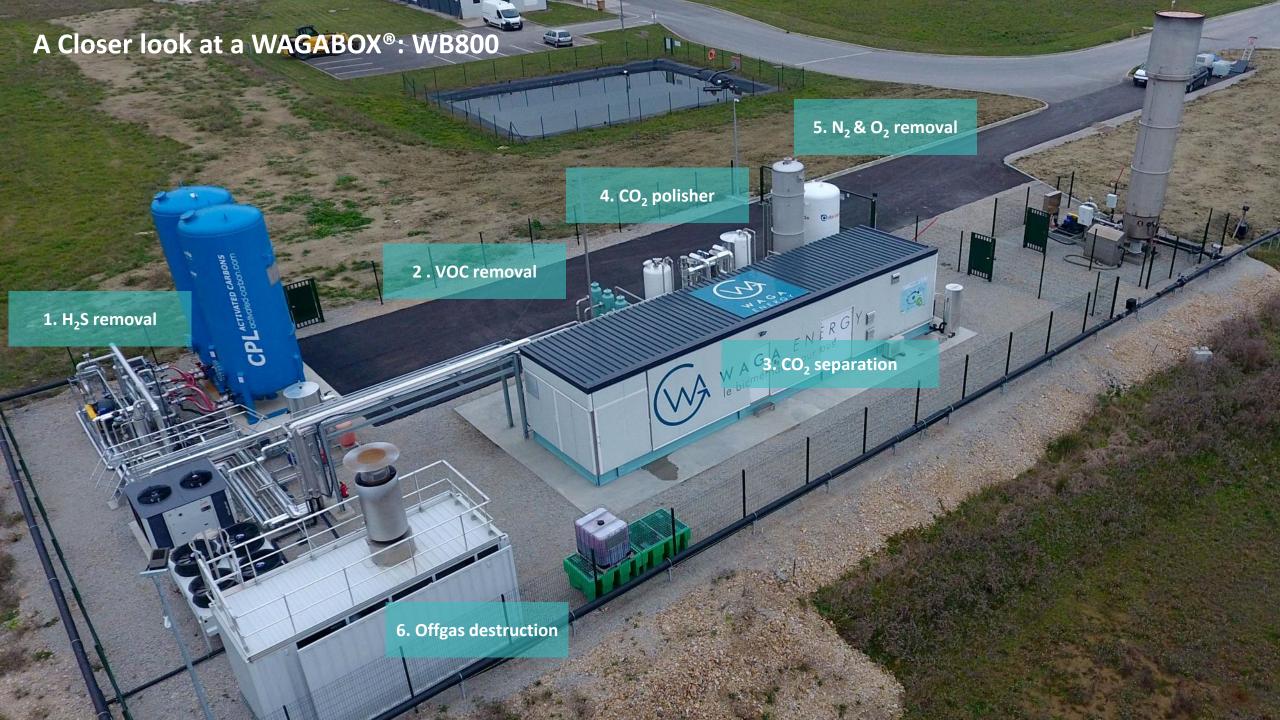
#### **WAGABOX®**

## 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-CO<sub>2</sub>
- Predictable electricity consumption whatever the landfill gas composition





## **Waga Energy**

A Unique position as an integrated biomethane producer





## Thank You

Will Llewellyn Director, WAGA Energy Ltd +44 (0) 7876 899169 will.llewellyn@waga-energy.com

