

MemGas™

Upgrade biogas to biomethane

BIOTHANE



MemGas™

The best technical-economical solution

- Safe and robust process with a high availability
- Up to 99.5% of biogas turned into biomethane
- Low energy consumption
- No consumables needed such as water or chemicals
- Entirely automated process
- Compact containerized installation
- High flexibility for fluctuation in biogas flow and composition

*1 MWh biomethane
avoids the emission
of 0,22 T of CO₂*



Veolia Biothane
to guarantee your serenity

- An **expertise** of more than 40 years in biogas business
- “Glo-cal” approach: **global expertise** and **local presence**
- Reliable and strong partner, highly committed to ecological transformation
- **Operator DNA**: technology designed by and for operators
- Design and execution according to VEOLIA Safety Standards



Service contracts designed
for high availability

- Hotline and support for **maximal uptime**
- **Full set of spare parts** quickly available
- **Mobile media filters** for maximized reliability, flexibility and optimized operation
- Guarantee on media consumption



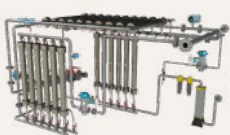
MemGas™ process

Converting biogas into biomethane involves 3 main steps:

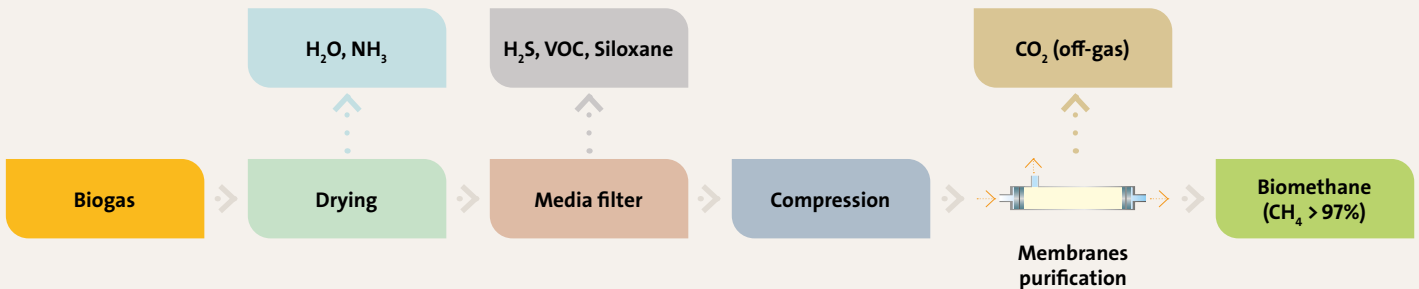
- 1** The biogas is **pretreated** to **remove unwanted components** such as H_2S , VOC and water.


- 2** Compression


- 3** After compression it passes through the high pressure gas separation membranes to separate CO_2 from CH_4 and obtain biomethane.



Process description



OUR COMMITMENTS



*A complete offer
to support our Clients
for the long term*



*Design and execution
according to VEOLIA
Safety Standards*



*Technicians teams
worldwide: a guarantee
of services and
responsiveness*

APPLICABLE FIELDS

Municipal

Agricultural

Industrial

Waste to energy

Landfill

BIOTHANE

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