



ENERGY FROM BIOGAS FOR A SUSTAINABLE SOCIETY

INDUSTRIAL BIOGAS TECHNOLOGY

We build highly efficient biogas plants that produce clean energy, clean water and high-quality fertiliser from organic waste, manure and other residues.

The biotechnological separation of methane hydrolysis and fermentation increases the efficiency of anaerobic digestion. Large plants are operated with scientific supervision and new results are immediately taken into account during the development of new plants. Our systems are suitable for different types of organic waste. The nitrogen tolerance is 50% higher than for conventional plants on the market.

- High and stable biogas yield
- State-of-the-art automation and control system
- Low maintenance and operating costs

PRE-TREATMENT OF ORGANIC WASTE

For the recovery of the organic fraction from waste our in-house developed pre-treatment machinery is integrated into the process chain and is a highly effective means of separating the organic fraction from impurities.

The result of this treatment is a clean organic suspension which is further processed in the anaerobic digestion plant. Biogas is captured and converted into green electricity or biomethane and Bio LNG.

Our AD technology is using CSTR digesters equipped with foam and scum layer prevention as well as sediment removal systems. This guarantees a stable process, continuous biogas production without any downtime.

We also revamp and upgrade operational biogas facilities to maximise the plant's process efficiency and stability, as well as optimising operation costs.

- Perfect solution for recovery of organic waste
- Almost every kind of feedstock can be treated (multi-feedstock)
- 50% higher nitrogen tolerance perfectly suitable for manure
- Biogas production from organic fraction

