

METENER

Produced biogas

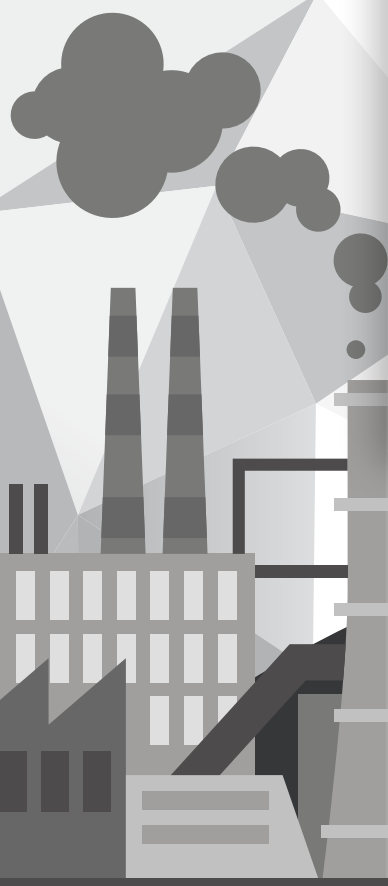


From fossil-based economy
TO BIO-BASED ECONOMY

2000

2010

2020



Choose companionship. Choose Metener.



Biotechnology know-how



We invest heavily on R&D. We are co-operating with VTT (technical research center of Finland), Luke (Natural resources institute Finland): Metener is considered important and skilled partner in biogas technology area internationally.

Biogas plant commissioning and start up is quick and smooth due to our broad experience and know-how.



Technology know-how



We develop, manufacture and sell biogas plants (wet and dry fermentation technology), biogas plant components and auxiliary equipment e.g. biogas upgrading and pressurization units.

With our technology plant Operational and Maintenance costs are under control.



Project know-how



We manage the whole chain of events from initial planning and permitting to commissioning and post project monitoring.

We will guide your journey to begin benefiting from biotechnology.

Satisfied customers around the world

Commissioned in 2010 Juva Bioson biogas plant is treating annually around 19800 tons of biomass and produced biogas is utilized in greenhouse heat and electricity production. Bioson has support and maintenance plan contract with Metener.
Finland, Juva Bioson biogas plant 250 kW^e

August 2017 we signed contract to deliver dry fermentation plant to China. Earlier we have already delivered one biogas plant treating pig manure.
China

Early 2017 we signed contract to deliver biogas upgrading unit for Griffith university in Australia. Size of the unit is 10 m³/h. Similar sized unit has been delivered to UK in 2013.
Australia, Griffith University, Brisbane



Locally produced energy

2-3 months

Our plants are in full production within three months

Microbes

Microbes are the hearth of our process and provide key functions allowing us to keep the process running smoothly.

Technique

Carefully chosen application allows patented dry fermentation plant to function without mixers or feeding equipment. Failures and maintenance needs are minimized.

Automation

Highly developed and mature control software guarantees fully autonomous biogas plant which need man work on site only during batch changes.

UTILIZE BIOGAS

- Traffic
- Heating
- Electricity

Reactors

In batch-type reactors the batches are changed one by one, alternating between reactors and in three month cycles. This ensures that the gas production is even at all times.

UTILIZE DRY FERTILIZER

- Organic dry fertilizer

Hectare of grassland provide 40 000 km driving range for passenger vehicle when biomethanized in our process.

Annual harvest from ONE

Alternatively it could provide heating energy needs for one mid-sized private house in nordic countries.

Carbon and nutrient recycling

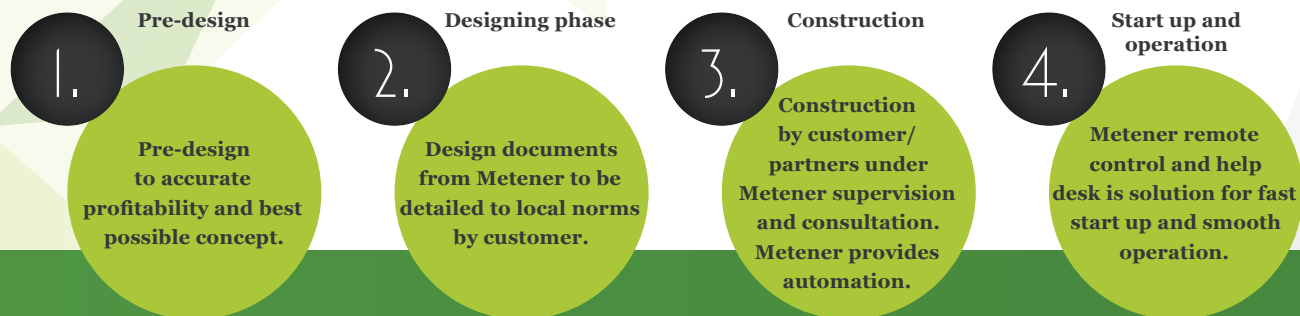
INCOMING DRY BIOMASS

- Wood based material
- Straw (various)
- Dry manure
- Crops from the field
- Lake biomasses



METENER

Would you be interested having your own biogas plant? Here's how it's done.



Contact info

Johanna Kalmari
Project manager, Chairman
+358 50 353 6242

Juha Luostarinen
Biogas plants and auxiliary equipment
and research
+358 50 591 3861

Jussi Läntelä
Biogas plants and auxiliary equipment
and research
+358 40 766 2581

Erkki Kalmari
CEO
+358 400 546 590

firstname.lastname@metener.fi



Biotech pioneer

"Our knowledge is based on twenty years of innovative R&D work and passion for biotechnology. The world leading know-how comes from hard, down-to-earth work and experience in practice."

Erkki Kalmari



Metener Oy
Vaajakoskentie 104
FI-41310 Leppävesi
FINLAND

metener.fi