



# Recover Energy From Biomass.

Decentral. Economical. Independent.

**BEKON** 

# BEKON MINI

The clever investment for innovative energy production from organic waste materials.

BEKON presents the new BEKON MINI dry fermentation system, offering BEKON serial technology for entirely new markets and in a fully new dimension.

### The advantages of BEKON MINI:

- Dry fermentation in a minimal space
- Low capital and operational expenditures
- Especially suitable for low input quantities
- Effective decentral electricity and heat generation

### BIO-WASTE

Recover energy from bio-waste! BEKON MINI lets you produce effectively reusable energy from biodegradable wastes.



### MAINTAIN GREEN SPACES AND GRASS VERGES

Cut your local taxpayer-funded costs! BEKON MINI efficiently converts grass and plant waste into regenerative energy.



### AGRICULTURAL BYPRODUCTS

BEKON MINI converts plant wastes and animal manure to valuable biogas and nutrient-rich fertiliser.



### LANDSCAPE GARDENING FIRMS

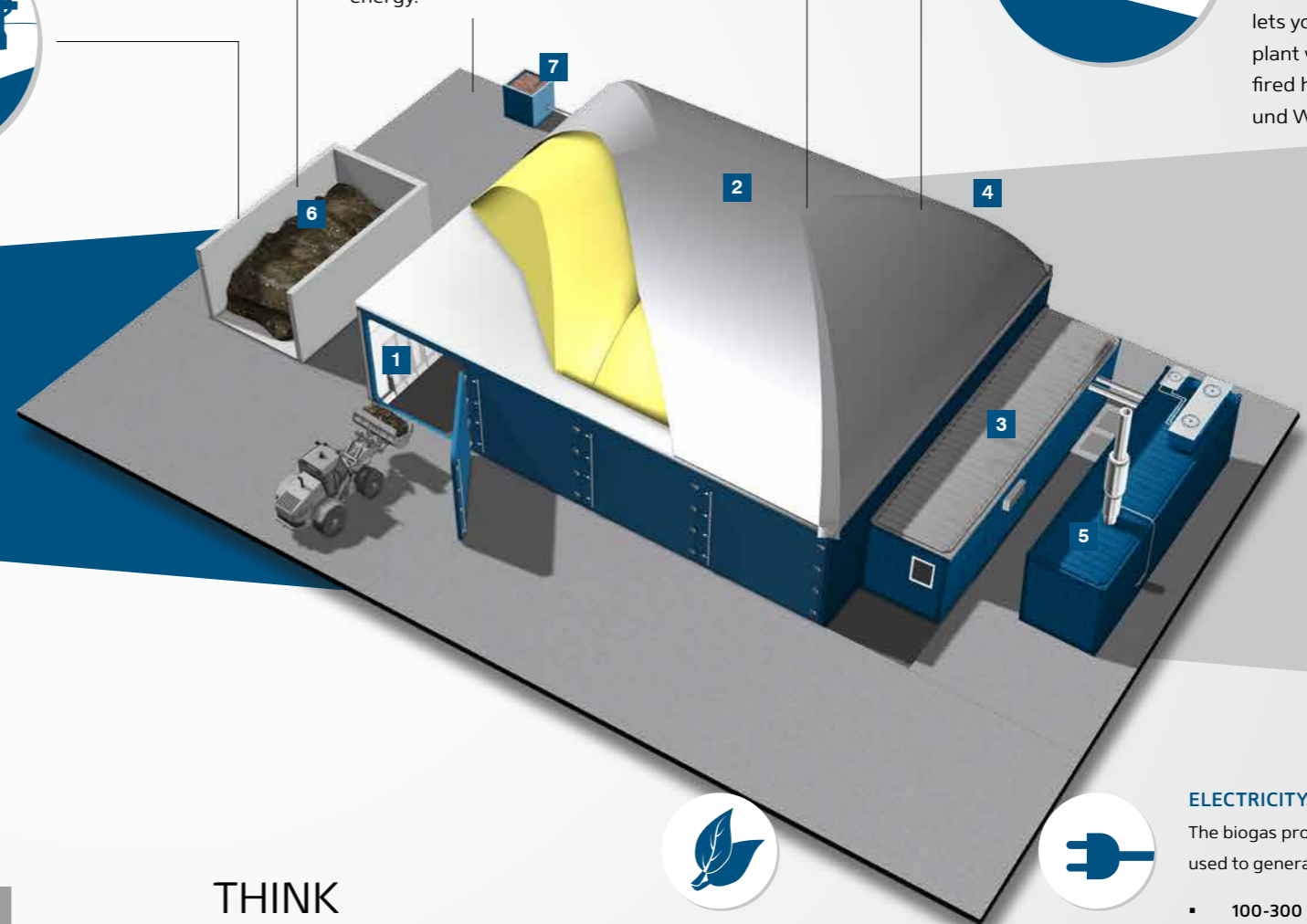
Utilise organic operational waste for the production of valuable fermentation residue! BEKON MINI lets you turn grass and plant waste into biogas-fired heat and energy. und Wärme produzieren.

### MAINTAIN GARDENS, PARKS AND CEMETERIES

Make effective use of your grass and plant waste's energy potential!

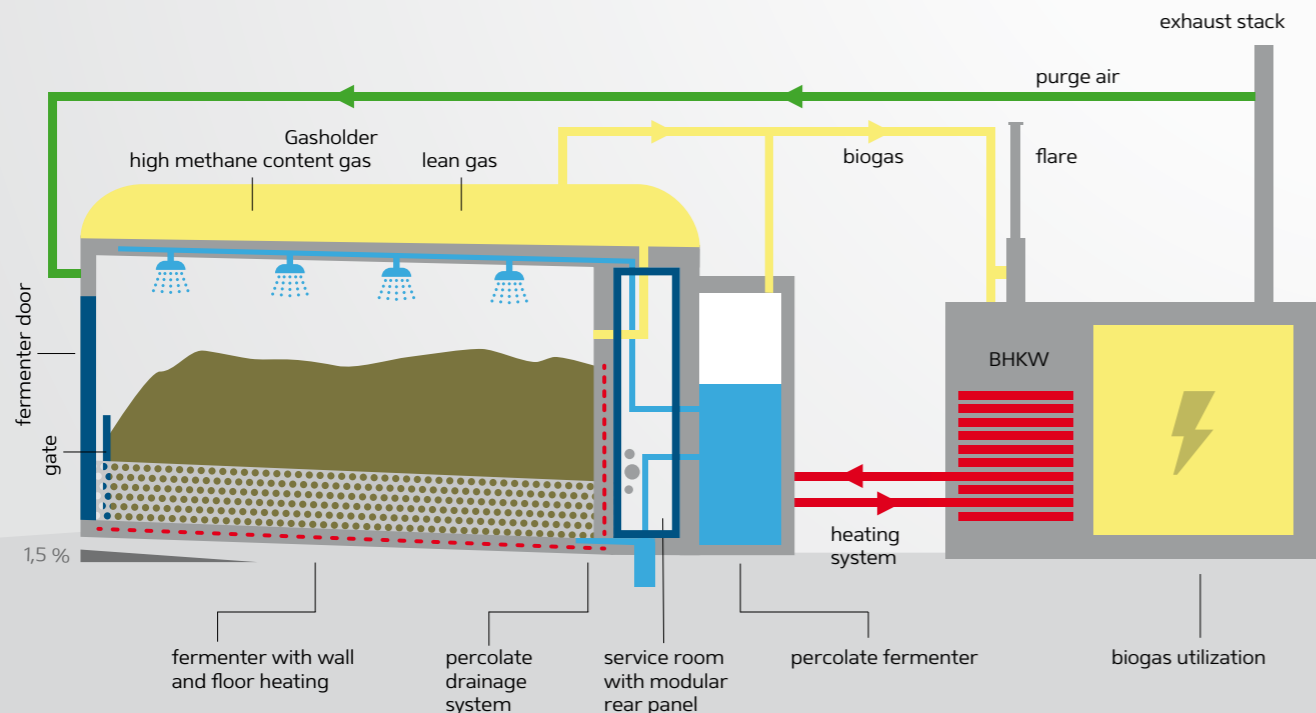


The new BEKON MINI. Dry fermentation efficient and economical



- 1 4 dry fermenters
- 2 Gas storage
- 3 Technology container with control room
- 4 Percolate fermenter
- 5 CHP
- 6 Input store
- 7 Biofilter

## THE TECHNOLOGY



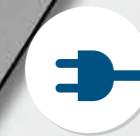
THINK ECONOMICALLY. ACT CLIMATE-CONSCIOUSLY.



### QUANTITY & SUBSTRATE

BEKON MINI is the compact dry fermentation system for use with non-liquid substrates, such as:

- Garden waste / grass cuttings
- Organic agricultural waste
- Renewable raw materials
- Solid animal dung
- Bio-waste
- Quantity: from 3.000 to approx. 10.000 t/a



### ELECTRICITY

The biogas produced can be used to generate electricity:

- 100-300 kW (electrical)



### HEAT

The biogas produced can be used to generate heat:

- 100-300 kW (thermal)



### FERMENTATION RESIDUE

Other post-treatment of fermentation residue, such as biological drying, can be carried out without problem.

- high-nutrient fertiliser
- Humus (soil improvement)

# BEKON MINI

From single components to  
keyturn solution.

Pre-assembled  
components

Tested for  
function and  
tightness incl.  
factory accep-  
tance test

Proposal- and  
construction  
drawings

Plans and  
construction  
manual



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