

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 in a fully new dimension.

The advantages of BEKON MINI:

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

BIO-WASTE
Recover energy from biowaste!
BEKON MINI effectively produces renewable energy from biodegradable waste.

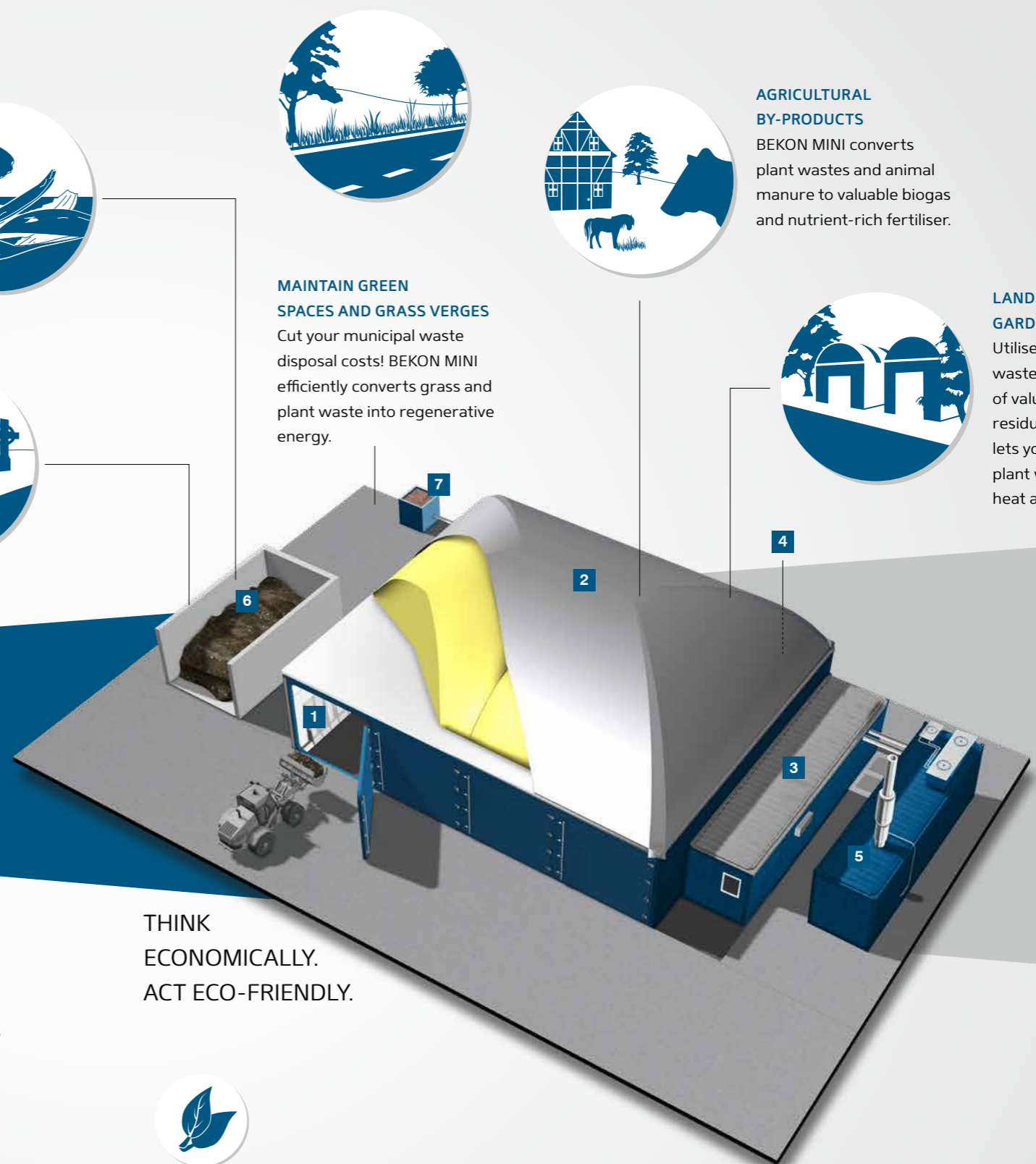
MAINTAIN GARDENS, PARKS AND CEMETERIES
Make effective use of your grass and plant waste's energy potential!

MAINTAIN GREEN SPACES AND GRASS VERGES
Cut your municipal waste disposal costs! BEKON MINI efficiently converts grass and plant waste into regenerative energy.

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

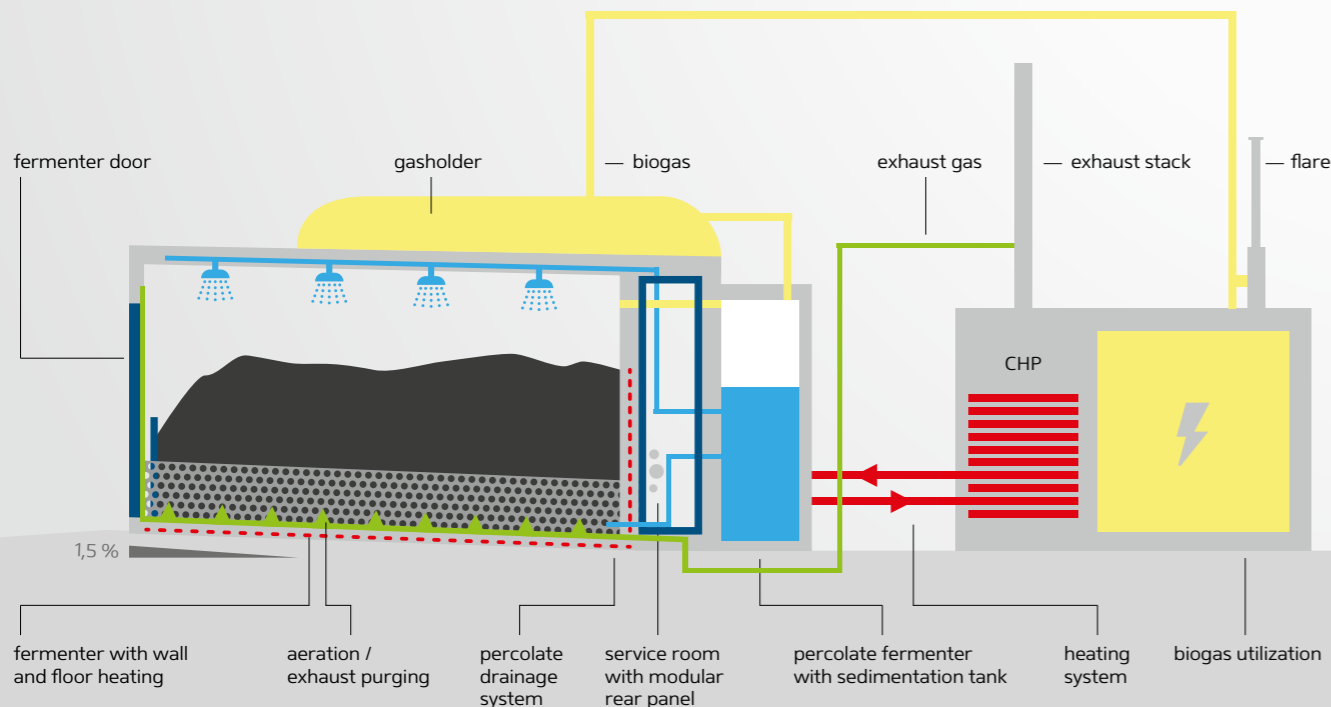
LANDSCAPE GARDENING FIRMS
Utilise organic waste for the production of valuable fermentation residue! BEKON MINI lets you turn grass and plant waste into biogasfired heat and electricity.

The new BEKON MINI. Efficient and economical dry fermentation.



- 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 ECO-FRIENDLY.



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
- Energy crops
- 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)

BIOMETHANE
Upgrading of biogas to biomethane for injection into gas grid:

- 60 Nm³/h to 80 Nm³/h

FERMENTATION RESIDUE
Further treatment of fermentation residue, such as composting, can be carried out:

- high-nutrient fertiliser
- humus (soil improvement)

BEKON MINI

From single components to
turnkey solution.

Pre-assembled
components

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

Proposal- and
construction
drawings

Plans and
construction
manual



Eggersmann Recycling Solutions

BEKON GmbH

Feringastraße 9
85774 Unterföhring/Munich
Germany

Fon +49 89 90 77 959-0
Fax +49 89 90 77 959-29

kontakt@bekon.eu
www.bekon.eu

Eggersmann GmbH

HQ | Halle
Ravenna-Park 2
33790 Halle (Westf.)
Germany

sales@f-e.de
www.f-e.de

Eggersmann Anlagenbau GmbH

Carl-Zeiss-Straße 6-8
32549 Bad Oeynhausen
Germany

Fon +49 5734 6690-100
Fax +49 5734 6690-140

anlagenbau@f-e.de



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