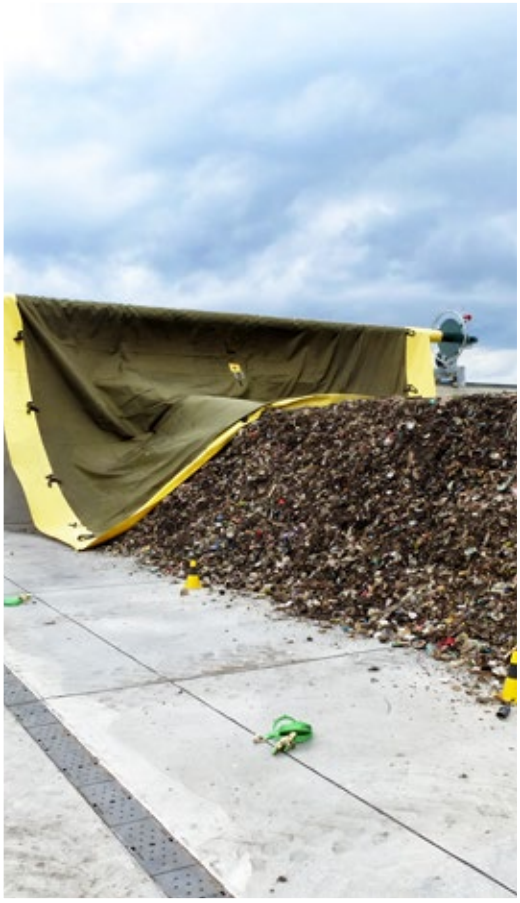








BIODEGMA®
MEMBRANE TECHNOLOGY

WE GET THE BEST OUT

AEROBIC WASTE TREATMENT

A growing desire to safeguard natural resources and reduce the ecological footprint together with an ever diminishing space available for landfill sites more than ever before makes the strategy “recycling above disposal” resonate in public awareness. Politicians have also realised the need for environmentally-friendly recycling technologies and decisions are being taken to implement closed-loop waste management systems in all countries across Europe and international.

For more than 30 years BIODEGMA Technology has been proven as a sustainable and cost-efficient solution.
High-performance aerobic waste treatment plants designed to biodegrade organic material, which is either returned to the material cycle as compost or disposed to landfills sites as stabilised waste.





With our technical expertise in planning and realisation of aerobic waste treatment plants, we contribute to safeguarding living conditions for future generations. We combine innovative technologies with a strong focus on economic efficiency and environmental compatibility. Our planning approaches are based on a comprehensive approach that ensures optimum economic efficiency through high plant availability, low energy consumption, robust components and low maintenance costs. All systems that we develop fulfil these high quality standards.

APPLICATIONS

STABILISING

This method is used to process and stabilise the organic fraction of municipal solid waste, thus reducing greenhouse gas emissions and leachate drain. Not only does this relieve pressure on the environment, the stabilised waste is also easier to landfill.





COMPOSTING

Processing separately collected organic waste, composting produces a high-quality organic fertilizer which can replace chemical fertilizers in agriculture, winegrowing and landscaping. Besides supplying valuable nutrients, compost enhances the building of soil humus and improves soil structure, thereby increasing soil yields. In view of a growing world population the benefits of composting can make a major contribution towards meeting the rising demand for food.





SEWAGE SLUDGE COMPOSTING

Phosphorus is one of the primary nutrients of the ecosystem. Sewage sludge contains high concentrations of plant-available phosphorus. Owing to the limited availability of mineable phosphate deposits worldwide recovery of phosphorus from sewage sludge is becoming increasingly important. Compost recovered from sewage sludge treatment is a first-grade fertilizer for use in agriculture.





BIODRYING

As the economy grows the demand for energy will also increase. To be able to reduce the burning of fossil fuels, calls for alternative fuels are becoming ever more urgent – for example from the cement industry.
Biodrying offers an ideal solution: Suitable for processing mixed municipal solid waste or its individual substreams, bio-drying produces high-calorific waste components which can be easily separated and used as a substitute fuel.





BIODEGMA® TECHNOLOGY
BUTTERFLY SOLUTION OR COVERED WINDROW BOX (CWB)

- Modular structure
- Energy-efficient pressure ventilation and temperature control
- Efficient reduction of odour, dust and spores through the use of membranes:
  - GORE® Box Cover
  - GORE® Heap Cover
- High economic efficiency due to low maintenance and operating costs
- Reduced carbon footprint



COST-EFFECTIVE AND SUSTAINABLE
TECHNOLOGY FOR EFFICIENT TREATMENT OF ORGANIC WASTE

- Source separated
  - Kitchen waste
  - Green waste
- Organic fraction of municipal solid waste
- Sewage sludge



+ 30 YEARS
OF EXPERIENCE IN DESIGN AND CONSTRUCTION

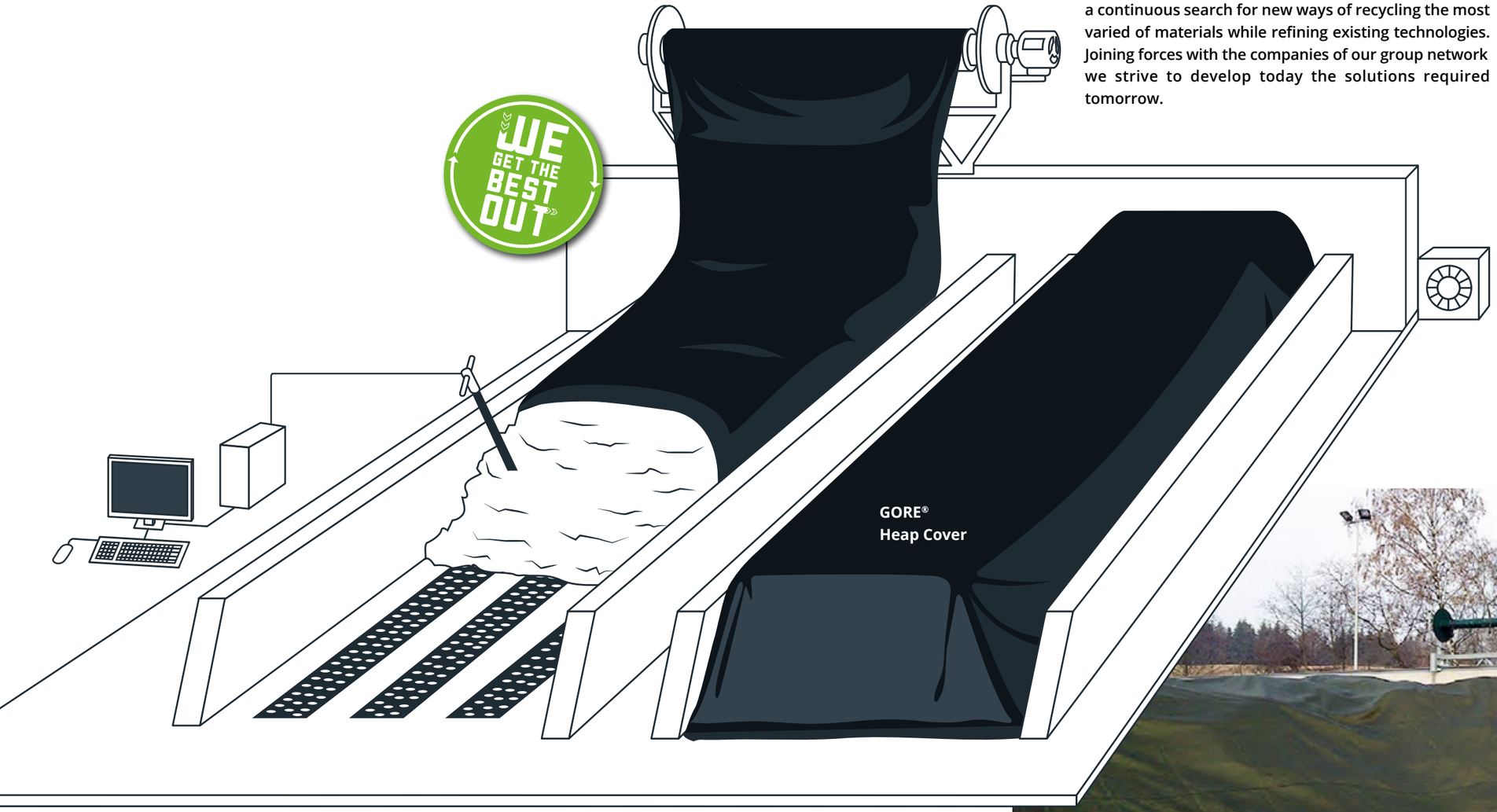
+ 70 PLANTS → **5,000 TO 150,000 Mg/a**
IN DIFFERENT CLIMATE ZONES — PLANT CAPACITY



THE BIODEGMA®-PRINCIPLE
GUARANTEED TO LAST

COST EFFICIENT START INTO THE WORLD OF COMPOSTING USING MEMBRANE COVERS

The BIODEGMA windrow composting system offers quality for highly efficient waste treatment with a minimum of construction work.



COMPREHENSIVE SUPPORT
FROM START TO FINISH

ONE-STOP SERVICE

There is no standard concept in waste treatment plant engineering. This is why we give our customers our full expert support on every aspect along the way of designing custom solutions.
We see our role as both producer and provider of a comprehensive range of services and regard service as a continuous search for new ways of recycling the most varied of materials while refining existing technologies. Joining forces with the companies of our group network we strive to develop today the solutions required tomorrow.

CUSTOMER SERVICE FROM A TO Z

AFTER SALES SERVICE

- Whether you quickly need a replacement part or repair service – we will be there!

TRAINING

- We train your staff during plant commissioning on all relevant aspects: Process engineering, basics of bio-degradation, safety at work and maintenance.

ADMINISTRATION

- We will give you our full support during the entire plant approval process.

CUSTOMER SUPPORT

- We supply all the information you need – from in-service support, maintenance plans and operation manuals to documentation tools.





METIS – SMART
TEMPERATURE MONITORING

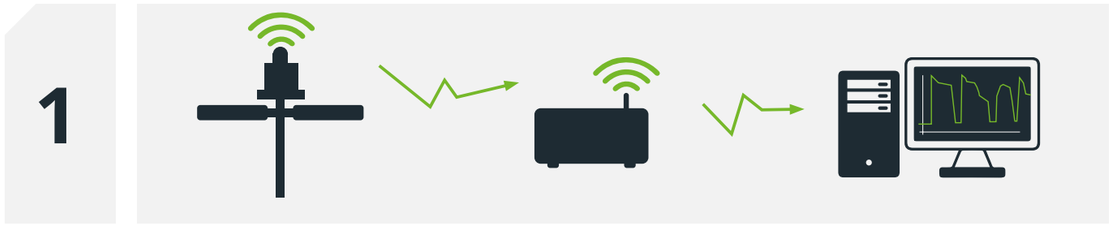
METIS, an intelligent temperature monitoring system for composting plants, Sutco offers a pioneering new way of in-process control. Designed in-house as a full-service solution, METIS is an universal system offering exceptionally low installation, operation and maintenance costs while requiring virtually no assembly work. METIS allows for easy temperature measurement, control and documentation.



METIS – SMART
ONE SOLUTION, TWO OPTIONS

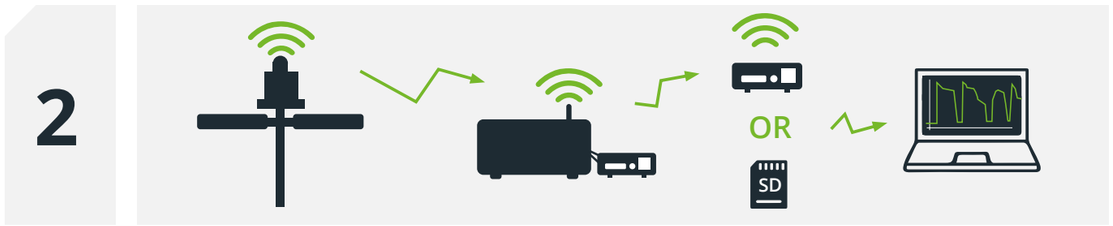
OPTION 1
BASE STATION DIRECTLY CONNECTED TO PC

The measuring probe transmits the data to the base station via wireless connection. The base station transmits the incoming data directly to the connected PC. The data is saved and processed.



OPTION 2
BASE STATION CONNECTED TO DATA LOGGER

The measuring probe transmits the data to the base station via radio link. The base station transmits the incoming data directly to the connected data logger, which writes the data to a SD card.



SUTCO® OFFERS INNOVATIVE TECHNOLOGIES
TO PROTECT OUR ENVIRONMENT

PLANT SOLUTIONS FOR THE RECYCLING INDUSTRY

600 +
600+ REFERENCES WORLDWIDE

380 +
380+ EMPLOYEES

LOCATIONS IN GERMANY AND ABROAD

INTERNATIONAL SALES PARTNERS

SUCCESSFUL IN GLOBAL MARKETS

INCREASE IN THE RECYCLING RATE



03/2026

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WE GET THE BEST OUT