



THÖNI ENVIRONMENTAL ENGINEERING

# TGV AEROBIC DIGESTATE PROCESSING

SMART AEROBIC TREATMENT OF DIGESTATE





# INNOVATIVE PROCESS TECHNOLOGY

## AN INTEGRATED SOLUTION FOR SUSTAINABLE WASTE MANAGEMENT

Thöni's proven expertise does not end with anaerobic waste treatment. With the TGV Thöni Aerobic Digestate Processing technology, we offer an innovative, aerobic system for processing a range of mixtures of digestate and organic waste or from pure digestate into high-quality compost. In combination with our TTV Thöni High Solids Anaerobic Digestion system, we can thus offer our customers the complete product portfolio for modern waste treatment of biogenic residues.

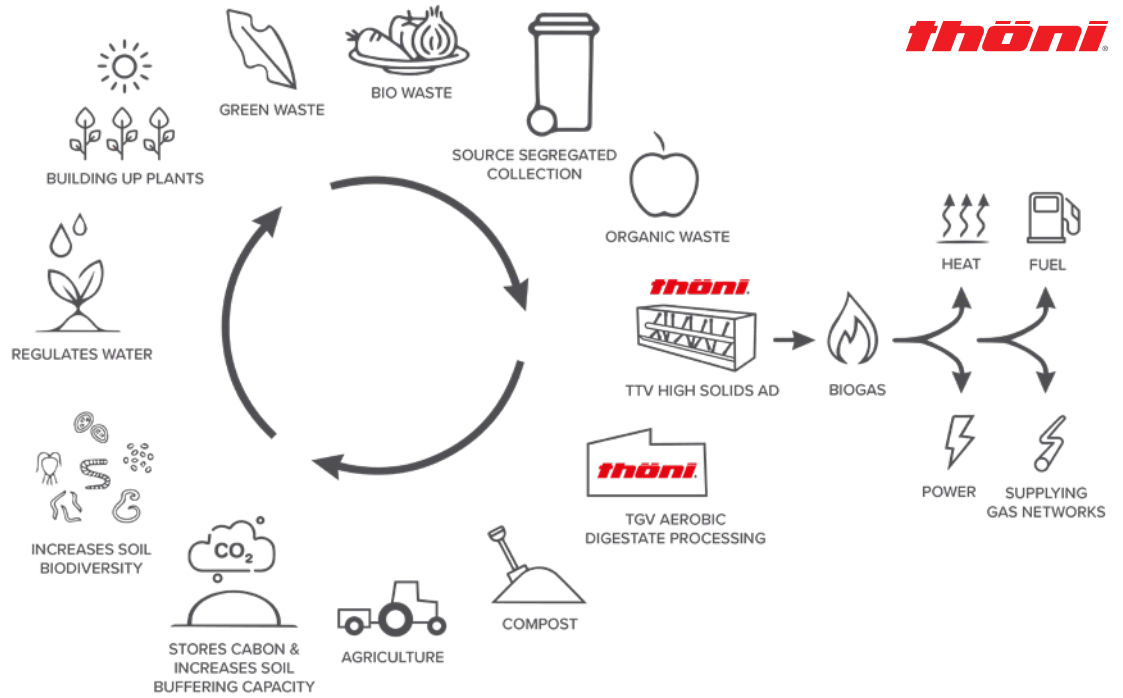
Compared to other biogenic residues, digestate is more complex to process and places special demands on the technology and technical components. Successful composting of digestate also depends on the sufficient mixing of the input material and the air permeability of the material.

Optionally, special substrate compositions can be prepared in a mixing device before being fed into the aerobic process. This ensures an optimal process flow

for the production of quality compost. If required, the material can also be hygienised in our TGV system. Also, as an option, the supply air can be preheated for faster and more efficient moisture removal.

We have our own CPP (compaction, porosity, permeability) testing facility allowing us to prespecify quality and parameters of the input material in advance, thus optimising the design of the system.



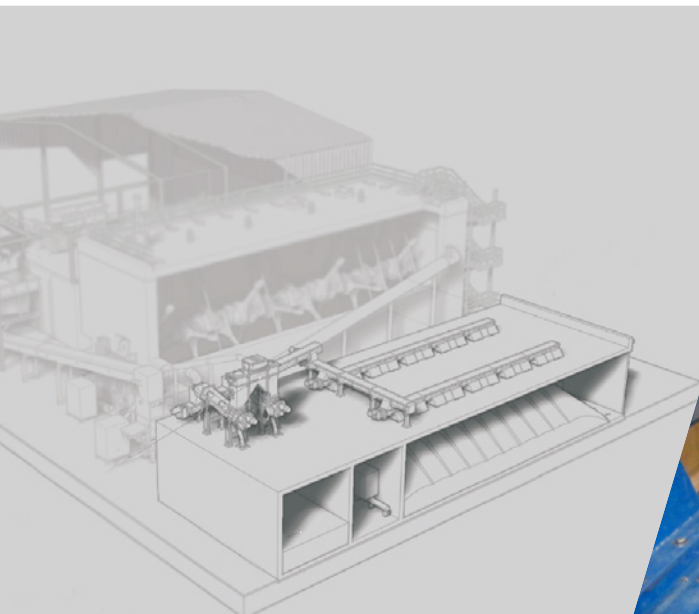


# VALORISATION OF NUTRIENT-RICH DIGESTATE

## COMPOST - A NATURAL FERTILISER

Compost is a stabilised organic product from waste recycling that reduces greenhouse gas emissions by sequestering carbon. Compost improves the water retention capacity and structure of the soil, releasing

natural nutrients and reducing the need for chemical fertilisers. This leads to an optimised microbiological activity while preventing soil and plant diseases resulting in higher crop yields and food security.





***thöni***<sup>®</sup>

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