



TGV AEROBIC DIGESTATE PROCESSING

THÖNI SUSTAINABLE SOLUTIONS

SMART AEROBIC TREATMENT OF DIGESTATE

- Digestate treatment for composting – screening and weight reduction
- Automated tunnel filling
- Exhaust air collection and treatment
- Integrated ammonium recovery system
- Optional hygienization in accordance with regulatory requirements
- Integrated documentation and data storage
- Individually expandable software modules



FROM DIGESTATE TO COMPOST

AN INTEGRATED SOLUTION FOR SUSTAINABLE WASTE MANAGEMENT

Thoeni's proven expertise does not end with anaerobic waste treatment. With the TGV Thoeni Aerobic Digestate Processing technology, we offer an advanced, aerobic system for processing mixtures of digestate and organic waste, as well as pure digestate into high-quality compost.

In combination with the TTV Thoeni High Solids Anaerobic Digestion system, this enables us to offer a comprehensive portfolio for modern waste treatment of biogenic residues.

Digestate is more complex to process than other biogenic residues, placing special demands on the technology and technical components. Successful composting of digestate depends on the reliable mixing of the input material and adequate air permeability.

Optionally, different substrate compositions can be prepared in a mixing device before being fed into the aerobic process. This enables an optimized process flow for the production of high-quality compost.

If required, the material can also be hygienized in our TGV system. In addition, the supply air can be preheated to support moisture removal.

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



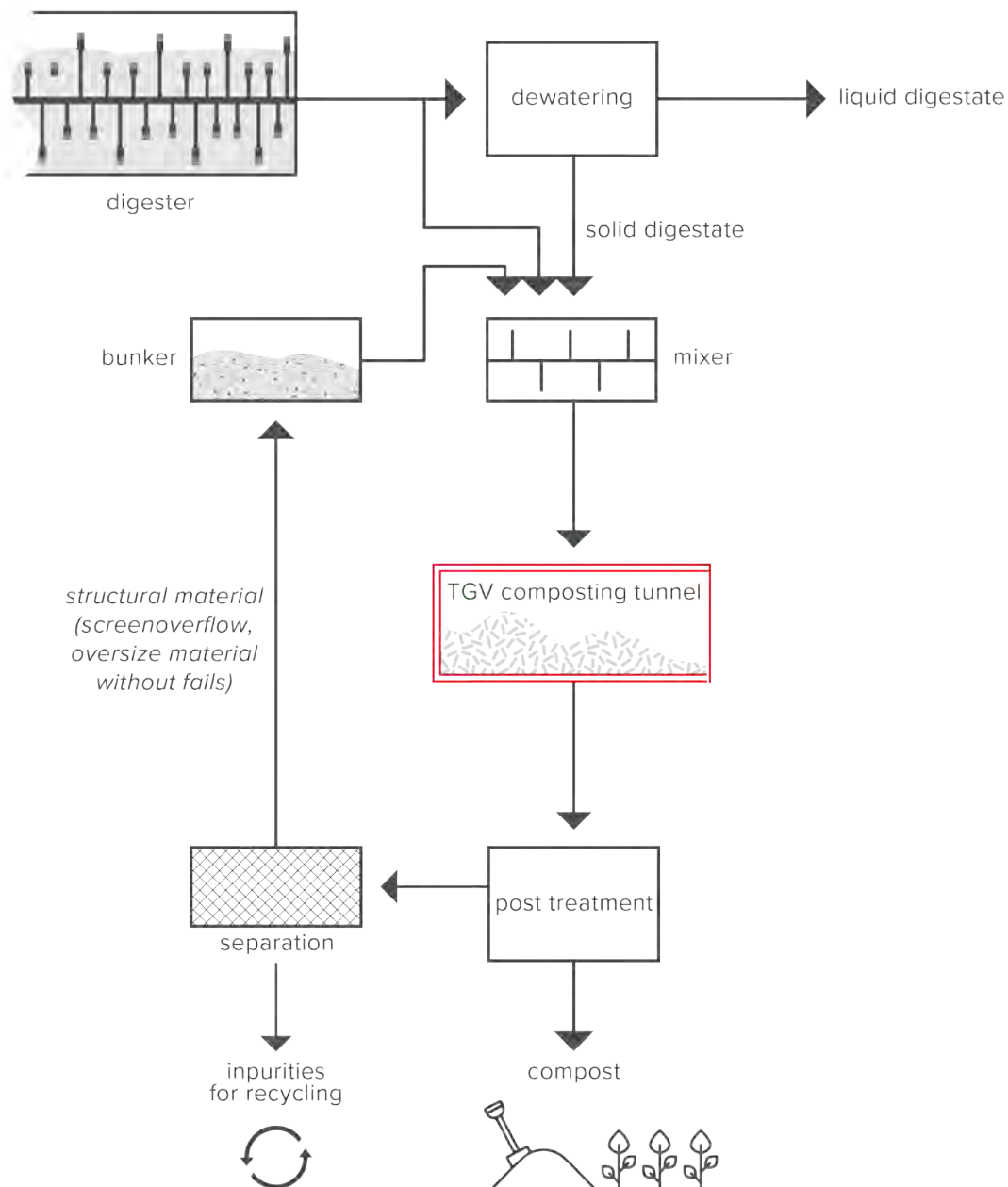
NUTRIENT-RICH COMPOST

COMPOST – A NATURAL FERTILIZER

Compost is a stabilised organic product from waste recycling that contributes to reducing greenhouse gas emissions through carbon sequestration. It improves the water retention capacity and structure of the soil, releases

natural nutrients, and can reduce the need for chemical fertilizers. This supports microbiological activity, helps reduce the risk of plant diseases, and may contribute to improved crop yields and circular economy.





thöni

Thöni Sustainable Solutions GmbH
Obermarktstraße 48
6410 Telfs / Tyrol / Austria

T. +43 5262 6903 - 0
E. tss@thoeni.com

www.thoeni.com

Technical and performance data are indicative and subject to project-specific conditions. Actual results may vary.
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