

WASTE **TEC** GMBH

Engineering • Procurement • Construction

ADVANCED SOLUTIONS FOR WASTE TREATMENT PLANTS

ANEROBIC DIGESTION IN VESSEL COMPOSTING



HBHE Consulting

www.hbheconsulting.com

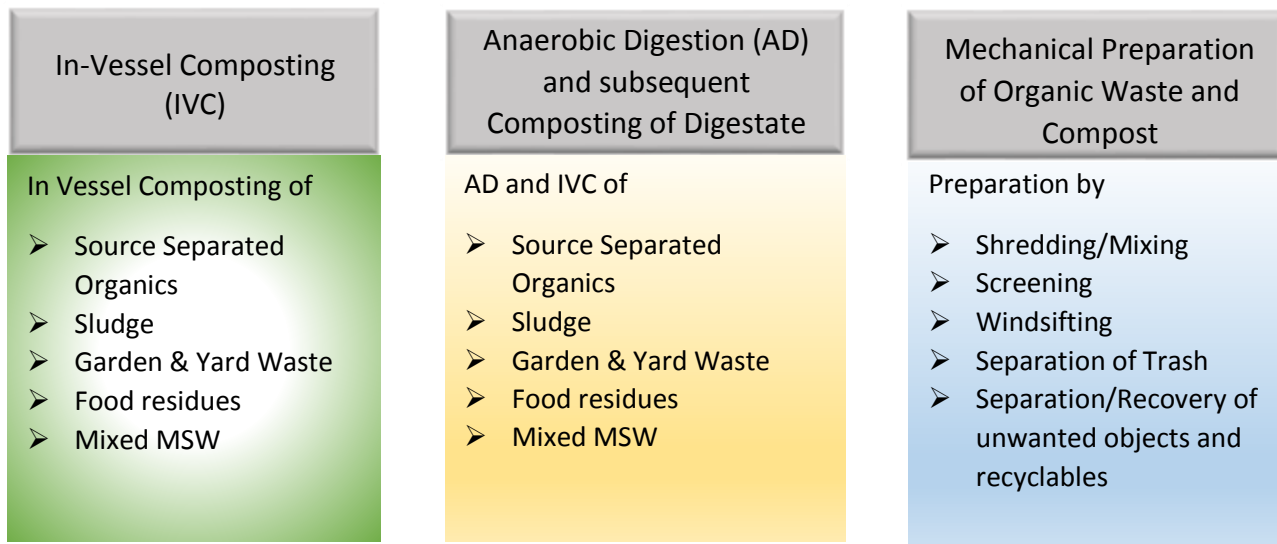
ORGANIC WASTE EXPERT SOLUTIONS

COMPANY EXPERTISE

Waste Tec provides more than 30 years of experience in In-Vessel Composting systems design and construction. This expertise combined with external expertise in anaerobic digestion, ventilation system / exhaust air treatment and waste -compost processing technology provides the basis for comprehensive solutions for your organic waste treatment.

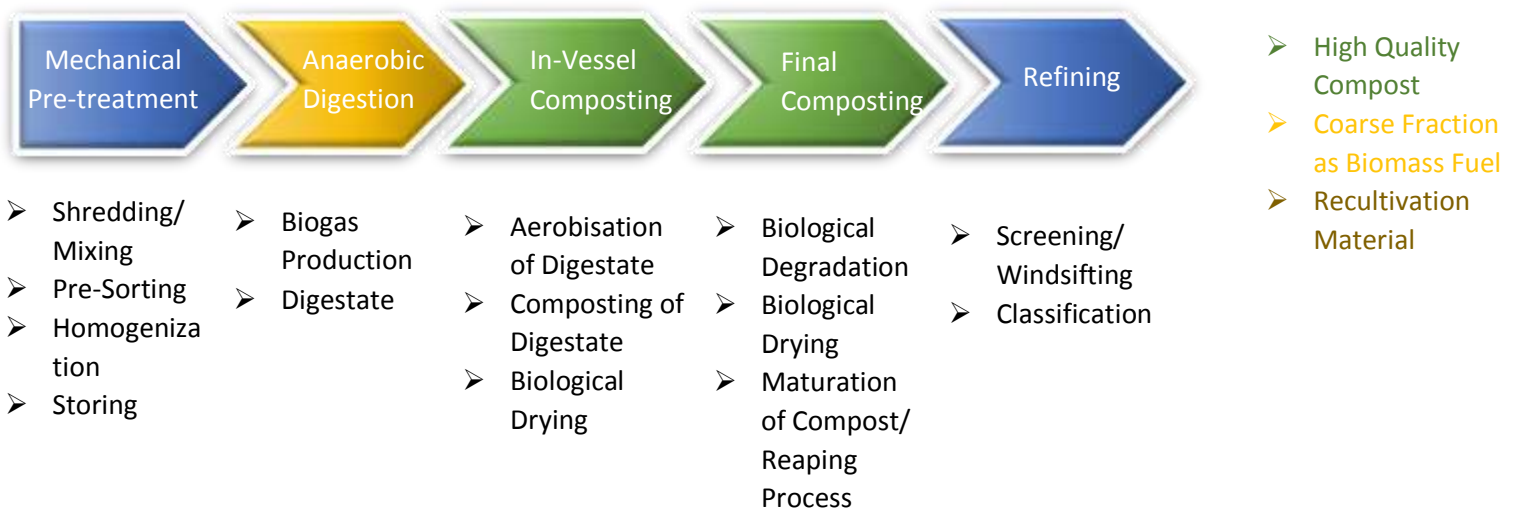
Waste Tec plant solutions are known for high quality compost, effective odour control and durability.

ORGANIC WASTE TREATMENT TECHNOLOGY



ANAEROBIC DIGESTION (AD) AND SUBSEQUENT IN-VESSEL COMPOSTING (IVC)

Basic Principles



COMPOSTING SYSTEM

The layout of the plant and system components allows for a most efficient operations, resulting in high quality products. The enclosed system is key for effective leachate management and odour control.



- Loading & unloading process by wheel loader



- Efficient air circulation system leads to low amounts of exhaust air

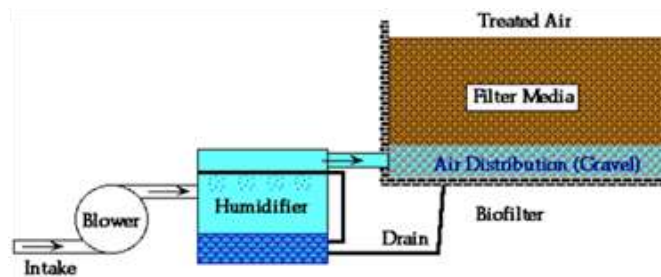
- Enclosed composting process (IVC)



ODOUR CONTROL - BIO FILTER

Biofiltration is a common cleaning technology for reducing emissions of malodorous pollutants into the atmosphere. On many locations it has been demonstrated, that suitably designed biofilters can handle the odorous air coming from any biological waste treatment plants in a cost effective, low-maintenance manner. This technology proved to control effectively odours in exhaust air streams.

The bio filter system typically comprises a wet scrubber and a bio filter unit. The wet scrubber is dedicated to ensuring a constant moistening of the exhaust air to prevent the bio filter from drying out.



Principle of exhaust air cleaning with scrubber and open biofilter



The next Generation in Mind

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