



CONVAERO & BACKHUS CON Series



Biological
Drying



Composting



- Enclosed
- Odour Control
- MSW and Organic Waste
- Suitable for Sludges & very wet Waste



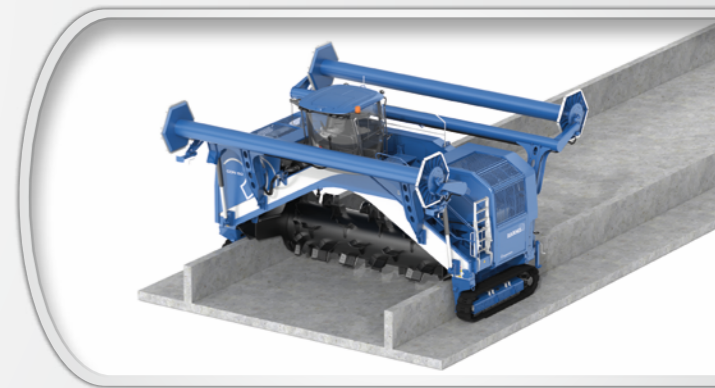
- Affordable
- Low energy consumption
- Low maintenance cost
- Easy to operate



25% more capacity than windrow with
the same site footprint and same height.

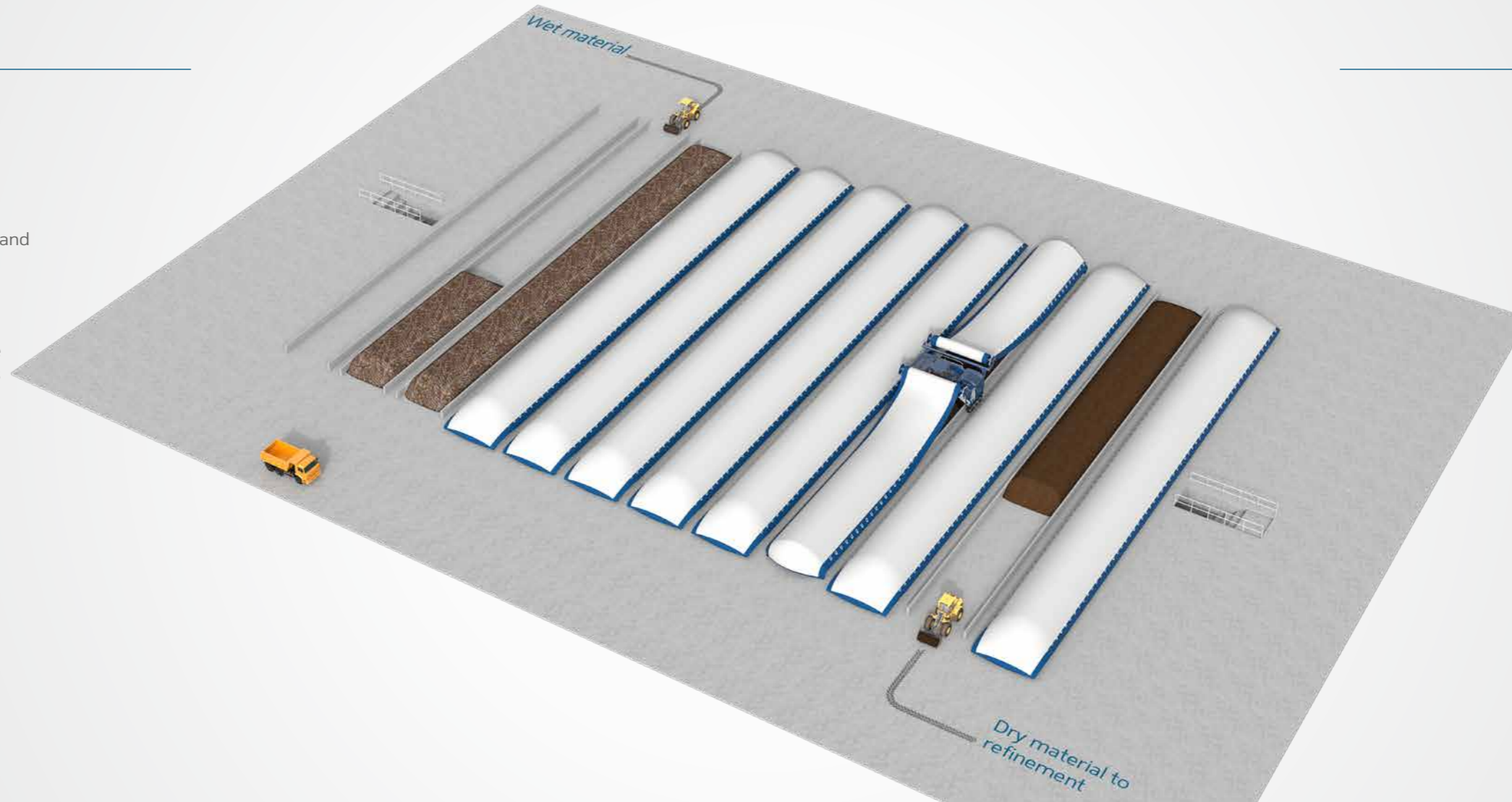
AVAILABLE AS:

BACKHUS CON 60 for lane width 6.0 m
BACKHUS CON 75 for lane width 7.5 m
BACKHUS CON 100 for lane width 10.0 m



Traffic Flow

- Efficient workflow on site, no traffic congestion
- Wheel loader only for material input and output
- Turning by reliable BACKHUS Turner
- Wheel loader driving distance can be reduced to minimum by using trucks or conveyor for material transport



A LANE WITH THE MEASUREMENT OF:

Length 100.0 m
Width 10.0 m
Height 2.9 m

PROVIDES:

Volume of 2,700 m³
Capacity up to 1,500 ton

TURNING TIME: approx. 1 hour per lane

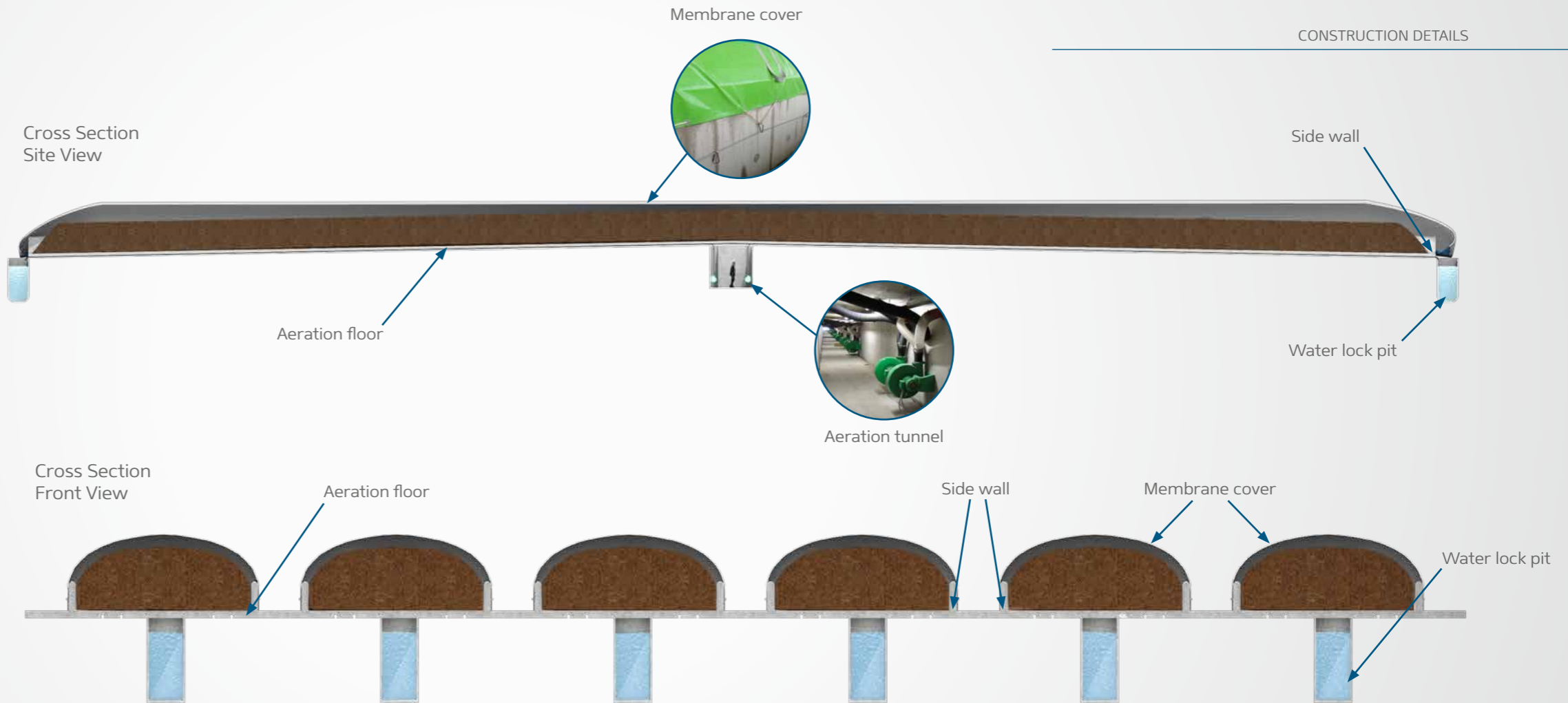
SPACE EFFICIENCY UP TO:
INCLUDING ALL MANOEUVERING AREAS:

BACKHUS CON 60: 1.4 m³/m²
BACKHUS CON 75: 1.6 m³/m²
BACKHUS CON 100: 1.7 m³/m²

TURNING EFFICIENCY UP TO:

BACKHUS CON 60: 1,000 m³/h
BACKHUS CON 75: 1,500 m³/h
BACKHUS CON 100: 2,500 m³/h

- All equipment underground => Equipment is protected against accident and weather impact.
- Few infrastructure required, eg. 1 power point for the entire system



The system is future proof:

- Flexible to cope with varying input material and characteristics
 - The system is in modular design, site expansion can be carried out without interrupting the process
 - BACKHUS Turner serves also as a mixer for sludge with organic waste or other feedstocks
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- The site operation is almost fully enclosed despite very frequent turning of material.
 - Waste water-free operation is possible
 - Input material with high moisture content up to 70% can be processed with this solution
 - Digestate and Sewage Sludge can be treated when bulking agent is added

Press water, surface water and roof water from membrane covers can be collected separately

- Press water can be recycled as sprinkle water during turning of materials
- Surface water from driveways directed to retention pond and optional further treatment
- Roof water from membrane covers drains into retention pond and subsequently discharge



Municipal waste:
Composting / Biological drying



Green waste: Composting



Organic waste: Composting



Sewage sludge, Digestate, POME*:
Composting / Biological drying



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1. All specifications, descriptions and illustrations are subject to change without prior notice.
2. Illustrations and descriptions may include options that are not part of the standard equipment.