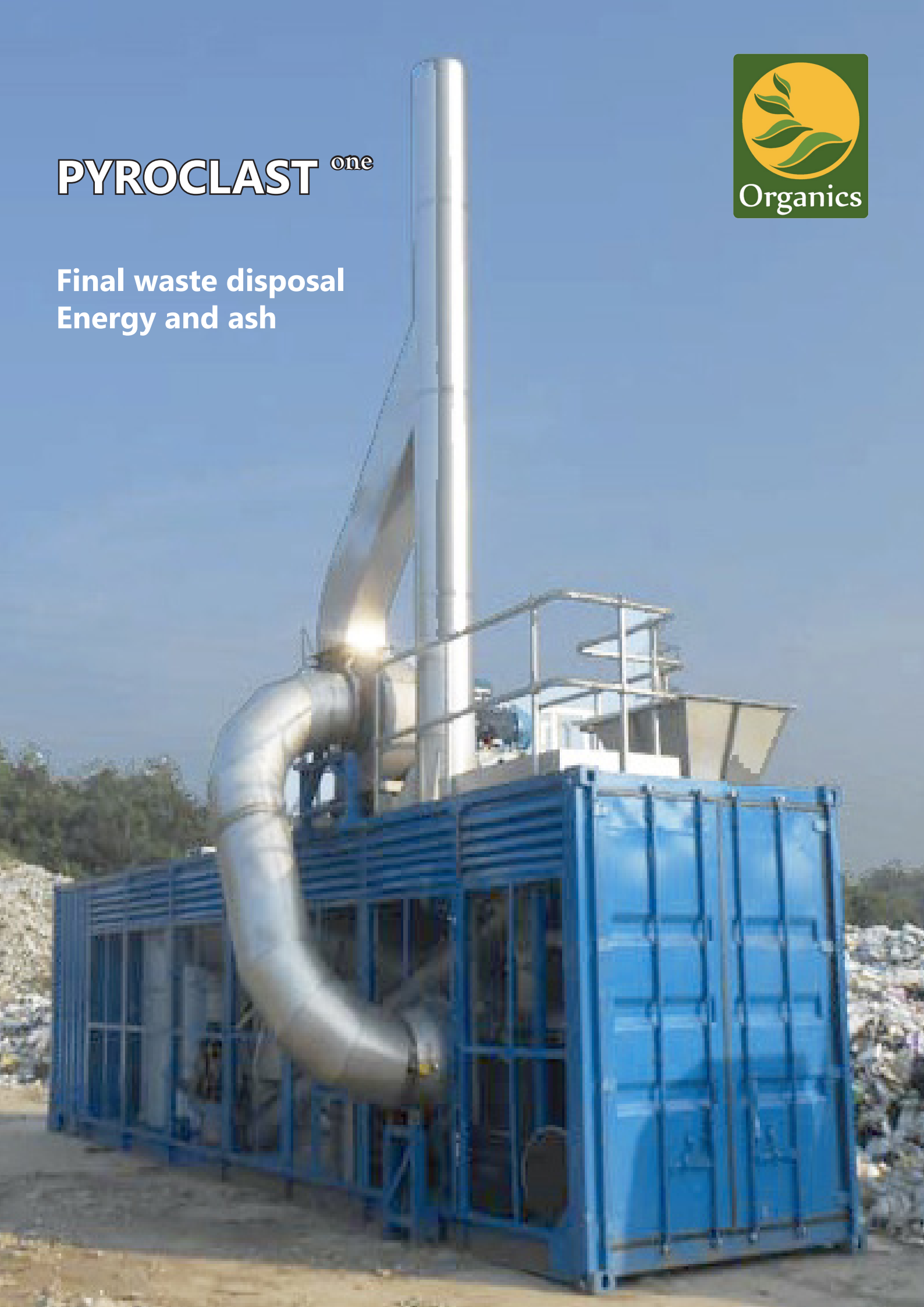


PYROCLAST^{one}

Final waste disposal
Energy and ash



SPECIFICATION DATA

Mass flow rates available:

Pyroclast I

6 to 20 tonnes (wet) per day
4 to 12 tonnes (dry) per day

Pyroclast II

6 to 40 tonnes (wet) per day
4 to 24 tonnes (dry) per day

Availability:

Normal operation: 85%
Preventative maintenance: 90%

Moisture content:

Moisture will reduce thermal energy available. The unit is designed for 20% moisture content (wet basis) but can take larger amounts.

Waste types:

- Biomass of many varieties
- Sorted municipal solid waste
- Clinical waste
- Thermally degradable hazardous waste

Thermal energy capacity

Using MSW with a 20% (wet basis) moisture content, thermal energy capacity is as follows:

6 w tonnes/day: 780 kW
40 w tonnes/day: 5.18 MW

Footprint

Both units are built into a single 40ft high-lift container.

Electrical power potential

Pyroclast 1: 500 kW (max)
Pyroclast 2: 1000 kW (max)



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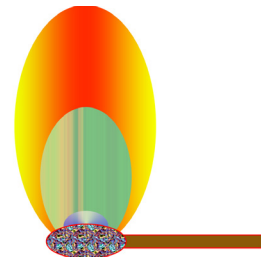
WHAT IT IS



OXIDATION

GASIFICATION

PYROLYSIS



HOW IT CAN BE USED - BASE CONFIGURATION



ASH

HOW IT CAN BE USED - CARBON CHAR CONFIGURATION



CARBON
CHAR

HOW IT CAN BE USED - POWER CONFIGURATION



ELECTRIC
+
ASH

HOW IT CAN BE USED - STEAM CONFIGURATION



STEAM
+
ASH

