

Value Proposition

Local – Clean - Independent

- Revenues instead of expenses
 - From waste treatment
 - From heat production
- Utilisation of local recycling rejects and waste
- Clean combustion and continuous emission monitoring
- Take responsibility of own waste
- Maintain employment in small communities
- Secure availability of heating fuels in changing market and political situations

Benefits

Economics

- Payback time of appr. 5 years through savings in
 - Energy costs
 - Logistics
 - Gate fees
 - CO₂ emissions
- Fast commissioning with standardized solution in sea containers

Environment & Safety

- Energy security through distributed systems
- Complies with EU regulations for waste incineration
- Less environmental burden from logistics
- Future proof for increased material recycling

Solutions & Features

Input

- Fuel capacity 1 000 – 2 500 t/a
- Non-recyclable combustible waste from
 - Source separated combustible mixed household waste (MSW)
 - Commerce and industry (SRF)
 - Non-recyclable combustible construction waste (RDF)
 - Rejects from other recycling operations
- Moisture < 35 %, ash < 20 %

Output

- Rated capacity 1 MW
 - Heating 8 000 MWh/a, or
 - Cooling 4 000 MWh/a, or
 - Steam 1 500 kg/h
- Option for electricity 750 MWhe/a with ORC- technology



DEMO PLANT

Site: Orimattila

Permanent environmental
permit 2022

Uses waste from various
sources as fuel

DESCRIPTION

Full scale demo with full
environmental permits according to
EU regulations.

Testing platform for customers' fuel
fractions to confirm suitability,
emission compliance and control
parameters

Test results for customer specific
fuel can be used for environmental
permit application to speed up the
process

RESULTS

Savings in energy costs
more than 150 000 eur/ year

Successful test incinerations
for various clients and waste
types

SOLUTION

100% LOCAL + WASTE-TO-ENERGY:
= *Walk the last mile in reject waste management*



2

RECYCLING CENTER

38%* of waste is
recycled or reused (FIN)



3

RECYCLING

REJECT IS TURNED TO
ENERGY LOCALLY

> CLEANEST > LOCAL > INDEPENDENT > REVENUES INSTEAD
OF EXPENSES



1

MUNCIPAL WASTE MANAGEMENT

collects all the waste



100% LOCAL

ALL TURNED
TO ENERGY



ENORMOUS
LOCAL
BENEFIT!

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