Ferropower

Modular 1 MW energy plant for local and decentralized waste treatment and energy production



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 ooo MWh/a, or
 - Cooling 4 ooo MWh/a, or
 - Steam 1 500 kg/h
- Option for electricity 750 MWhe/a with ORC- technology



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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.

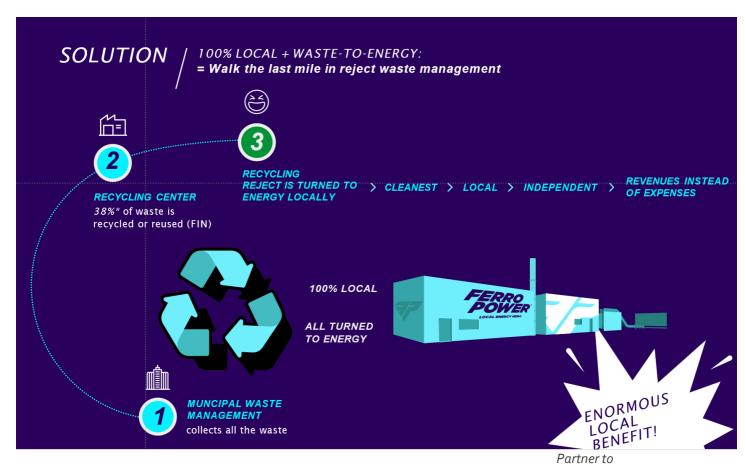
Testing platform for customers' fuel fractions to confirm suitability, emission compliance and control parameters

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

RESULTS

Sawings in energy costs more than 150 000 eur/ year

Successful test incinerations for various clients and waste types



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www.heatnetglobal.com