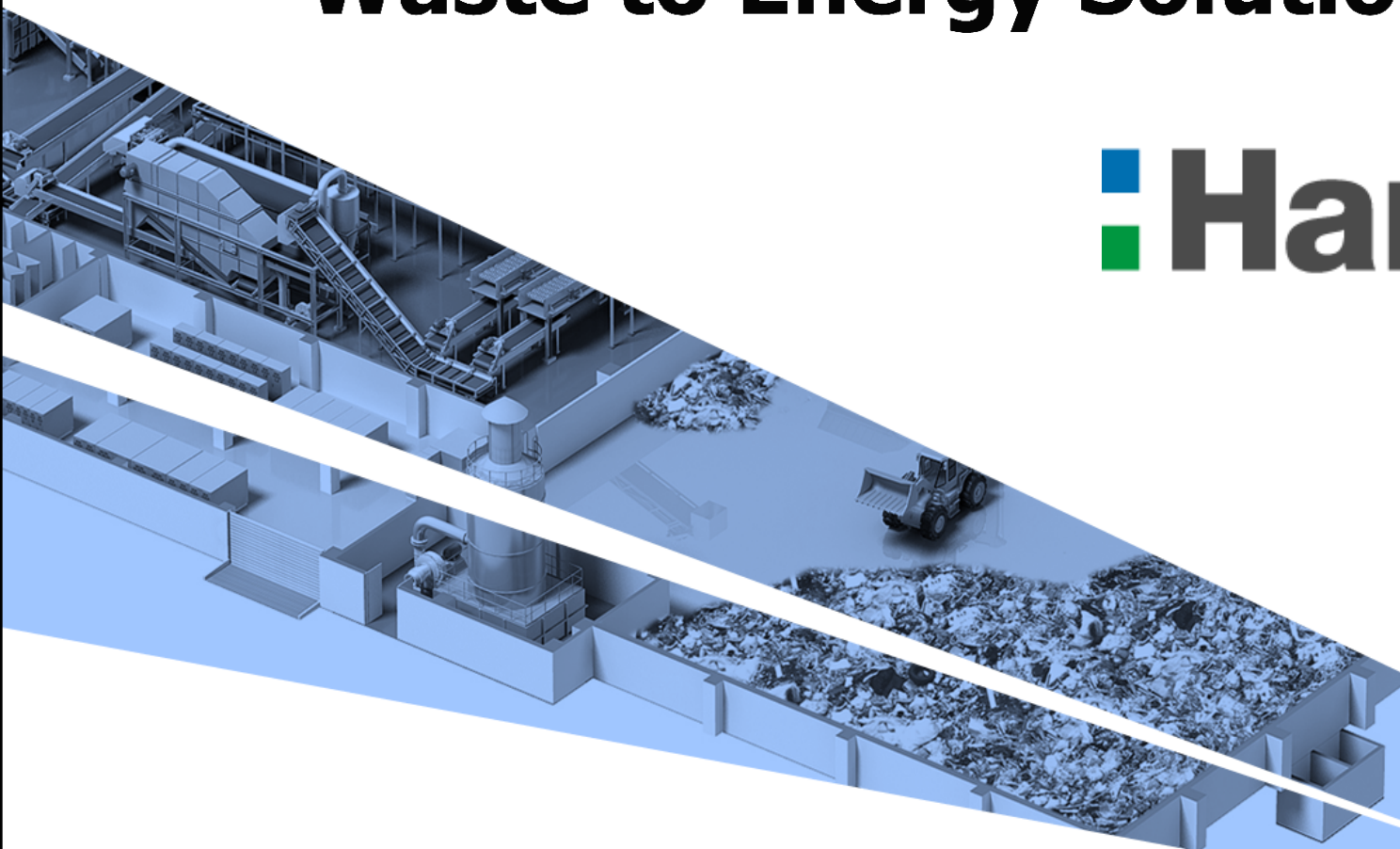


Waste to Energy Solution



Hansol
EME



Hanwha with Greece





Waste to Energy(WTE)

is the process of generating energy in the form of electricity and/or heat from the controlled combustion of waste. It is an infrastructure to improve environmental conditions by treating municipal solid waste(MSW) effectively & efficiently.



WTE : Expected Benefit

MSW Disposal

- ◆ Stable & Eco-friendly treatment of MSW
- ◆ Semi-permanent use of existing landfill
- ◆ Promotion of the image of the city, with environmental improvements



Economic effects

- ◆ Reduction of waste management cost
- ◆ Reduce fossil fuel usage
- ◆ Generation of electricity & heat → Profit



Increasing jobs

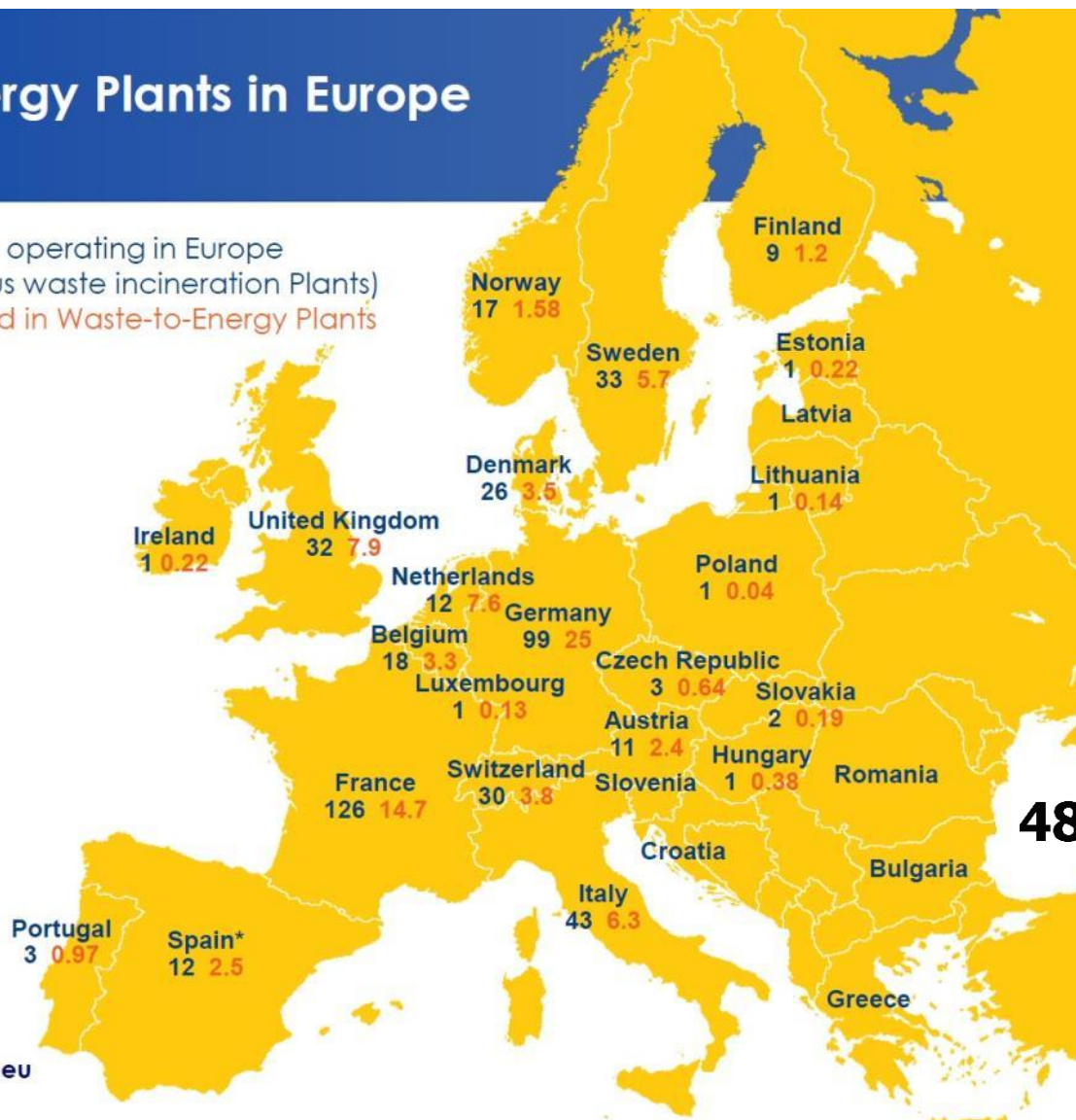
- ◆ Creating jobs for local residents
- ◆ Training local engineers
- ◆ Activating local economy



in Europe

Waste-to-Energy Plants in Europe 2014

- Waste-to-Energy Plants operating in Europe (not including hazardous waste incineration Plants)
- Waste thermally treated in Waste-to-Energy Plants in million tonnes



Data supplied by CEWEP members and national sources

* Includes plant in Andorra

482 Plants



info@cewep.eu ▶ www.cewep.eu

Parma, Italy



Wien, Austria



Roskilde, Denmark



in U.S.

Waste-to-Energy Plants in the U.S., 2010



91 Plants

Data: Energy Recovery Council



West Palm Beach



Essex



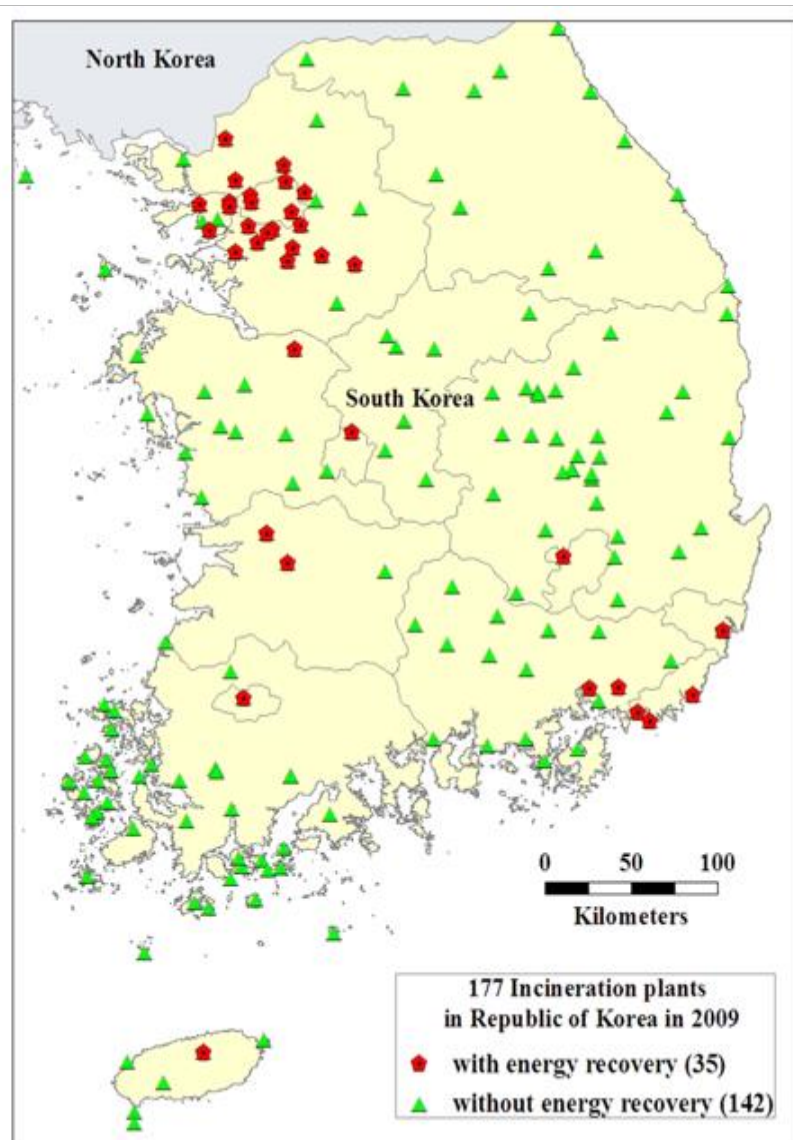
Haverhill



Warren



in Korea



Past...





Present





Sokcho city





PROPOSAL

Project

Waste to Energy Plant

Location

**Athens, Thessaloniki, Piraeus &
other major cities of Greece**

Capacity

100 ~ 300 ton/day

Scope

Design, EPC, O&M (Turn-key)

Business Scheme

Public work or PPP (BOO, BOT, etc)

*** Based on detailed F/S**

COMPETITIVE ADVANTAGES

1. Easy Operation

- Capable of treating varieties of waste without pre-treatment
- Input waste after simply mixing by crane at a bunker
- Small amount of bottom & fly ash produced (2~3% of combusted waste)

2. O&M Experience in WTE & Incineration Plant

- Operating 11 facilities including 4 WTE/Incineration Plants currently

3. Rich Overseas Experience in EPC

- Reliable and capable EPC contractor, completing WTE plant project consistently on time and within budget

4. Short Construction Period

- 18 Months including commissioning and start-up



Thank you

