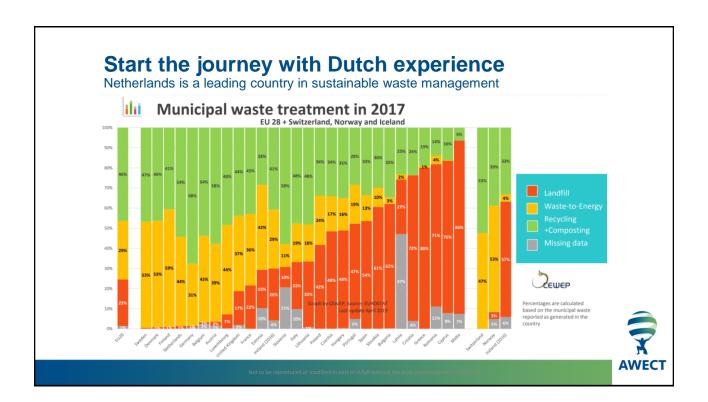


# BRIDGING THE WORLD OF WASTE TO ENERGY

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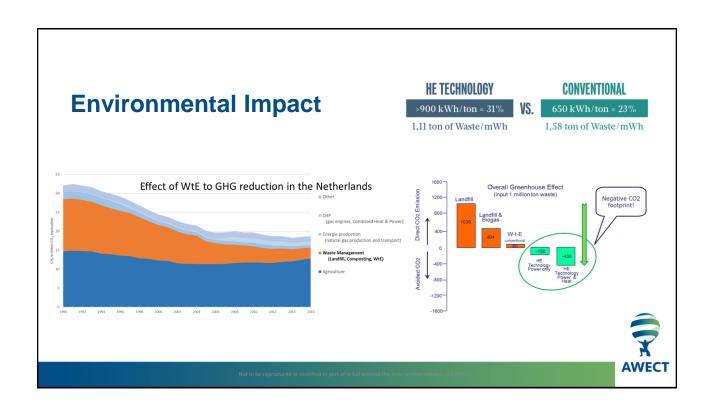


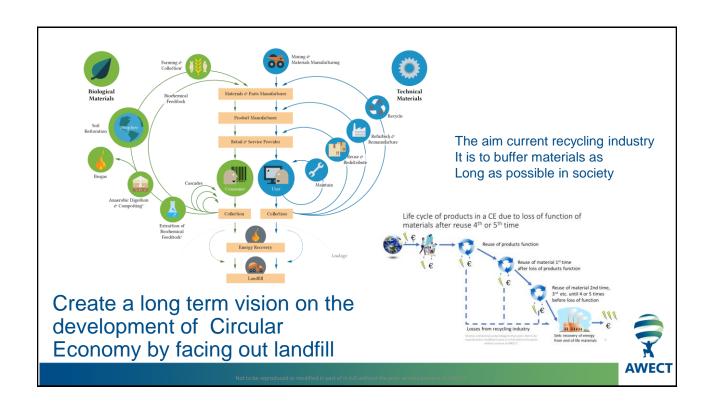


From most polluted to one of the most sustainable cities in the world through a long-term vision and consistent execution of the program



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## AEB Amsterdam

- 1993: Waste-to-Energy plant
- 2007: HE-WtE plant started
- Owned by City of Amsterdam
- Partners: 7 city districts and 19 municipalities
- Situated in harbour area Amsterdam
- Largest single location WtE company in the world & largest renewable energy production plant in Amsterdam

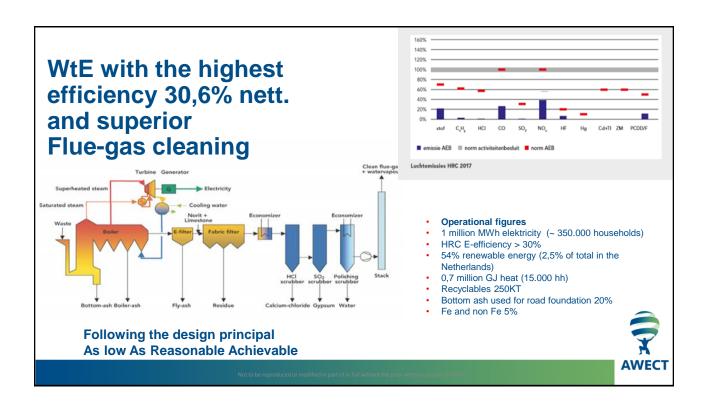
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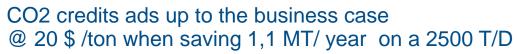
### **HVC Alkmaar**

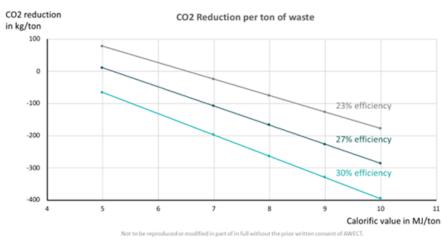
- Started in 1995
- Owned by 45 Municipalities and 6 water boards
- Situated in Alkmaar 30 Km North of Amsterdam
- · Processing 650 KT per year





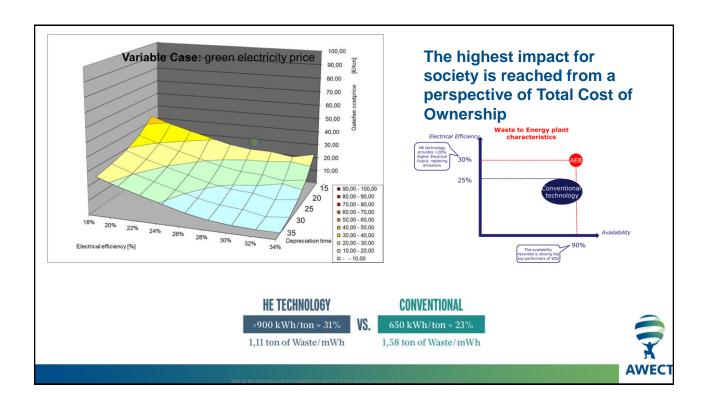








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# From a Macro Economic perspective investing in a HE-WtE project has a significant positive effect on a city and country.

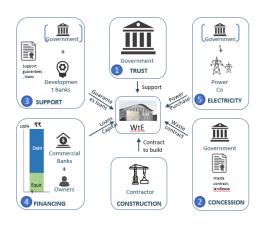
The business model of a WtE plant has a short-term business model for the project owner and a long-term business model for the society.

- The long-term effects for society are related to:
- When replacing land-fill we see a reduction of valuable land occupation in growing cities,
- Less emissions and major GHG reduction
- · Prevention of heavy metals leaching to the environment
- Securing public health for the short and long term
- · Create additional high skilled jobs
- The basis for the development of a clean waste management system without leakages to the environment.
- Eventually leading to the development of Eco ports as the center of the circular economy.



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# HE-WtE is the best "Sink Solution" for Circular Economy & Cities



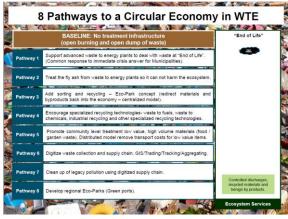
- Government plays and essential role in realizing WtE projects
  - 1 Convey trust by support all steps of the project development
  - Ensure a reliable contractual framework in the form of a bankable long-term concession agreement
  - 3 Support financing of the project through potential guarantees or loans
- 4 Commercial banks and Owners / Investors provide the required capital (potentially based on guarantees
- A long-term bankable (and potentially guaranteed) power purchase agreement



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# Align with UN and ADB





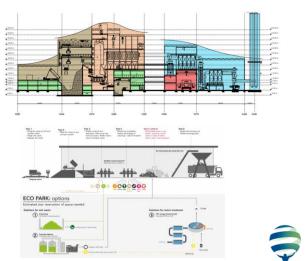
When you go for WtE than go for the highest impact go for High Efficient Waste to energy



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# **AWECT offers the following services:**

- · (Pre) Feasibility Study
- Masterplanning
- Tendering
- Conceptual Design
- · Basic Design
- Basic Engineering
- · Detailed Engineering
- · Operational Training
- · Procurement assistance
- Quality Control
- · O&M review & guidance and training



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**AWECT** 

# Thank you for your attention! Contact us @ Telephone: +31 20 244 0937 Email: info@awect.com Address: Keizersgracht 534, 1017 EK Amsterdam

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