

# How AVR energizes waste in the Rotterdam Area

CEWEP  
congress  
**June 16<sup>th</sup>**  
**2016**



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**AVR.** 





Our motivation:  
A clean world in which nothing is wasted.

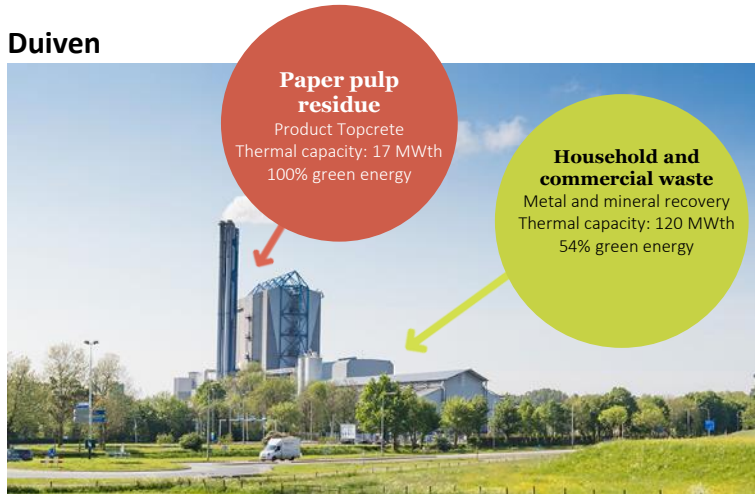


# AVR treats different types of residual waste streams

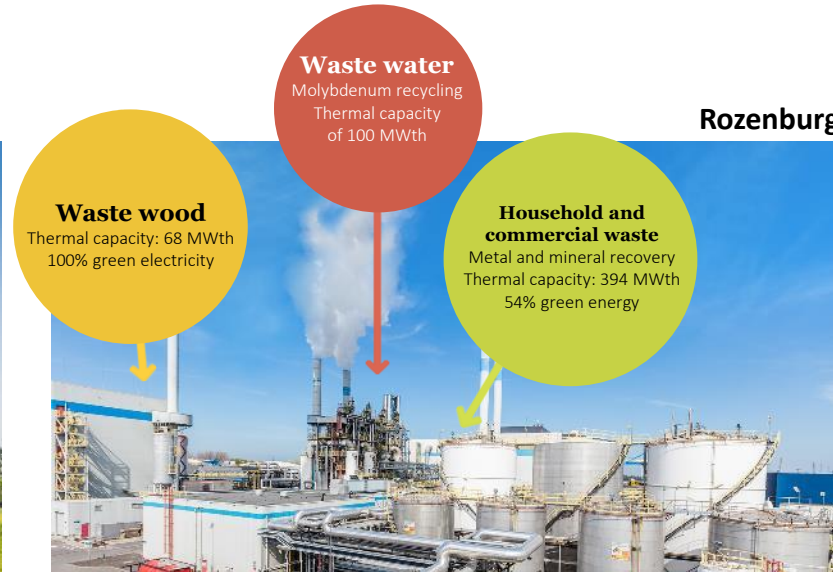
- AVR is the largest Energy-from-Waste (EfW) company in the Netherlands.
- EfW permitted capacity of over 1,700 kt/annum and 699 MWth of total installed thermal capacity (steam and heat) of which 60% is classified as renewable energy.
- AVR has a 22% EfW market share in total Dutch permit capacity



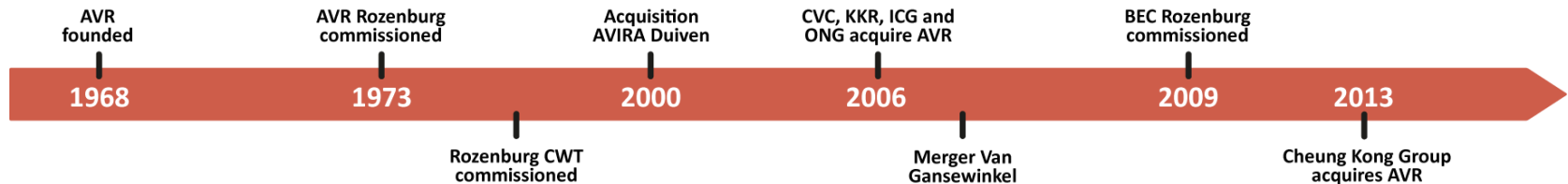
## Duiven



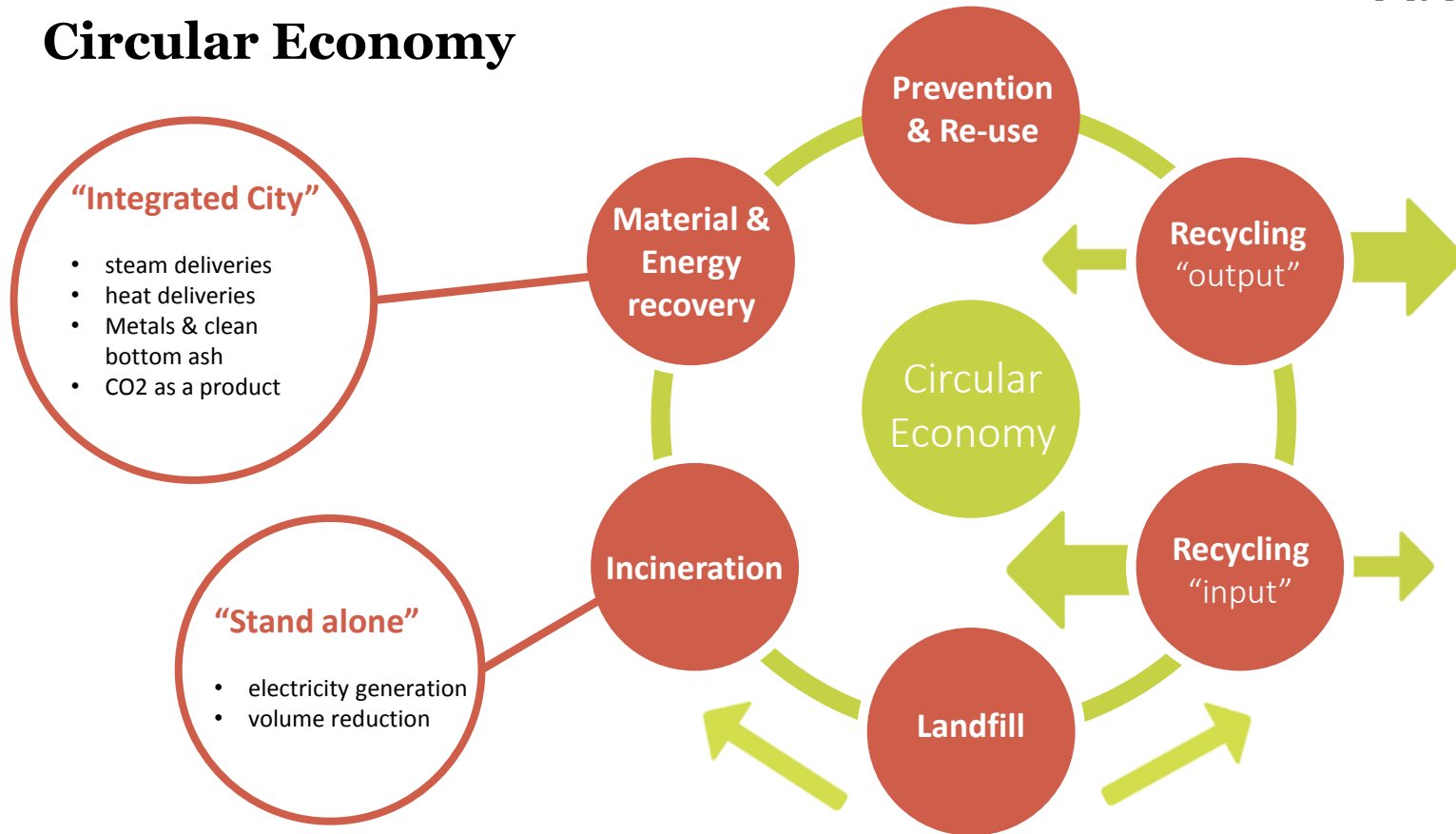
## Rozenburg



# Our journey



# Transition towards a Circular Economy







AVR the central heating source of Rotterdam.

# AVR the central heating source of Rotterdam

AVR.



## Key metrics

- CO<sub>2</sub> reduction (Kton)
- Thermal energy (PJ)
- # household equivalents

## Steam



### Tronox

### EKC

## District heating



### WBR

### Eneco

50

80

70

95

0,75

0,75

>1.5

>3.5

50,000

100,000

Realised steam and heat projects avoiding ~300 kton CO<sub>2</sub> emissions





Innovation: CO<sub>2</sub> as a raw material



# Contribution to reduction CO<sub>2</sub> emissions

CO<sub>2</sub> emissions and reductions (AVR Rozenburg)

