

**waternet**  
public watercycle company  
**Amsterdam**

**Sustainable Urbanisation & World Cities Meeting**  
**Mumbai**

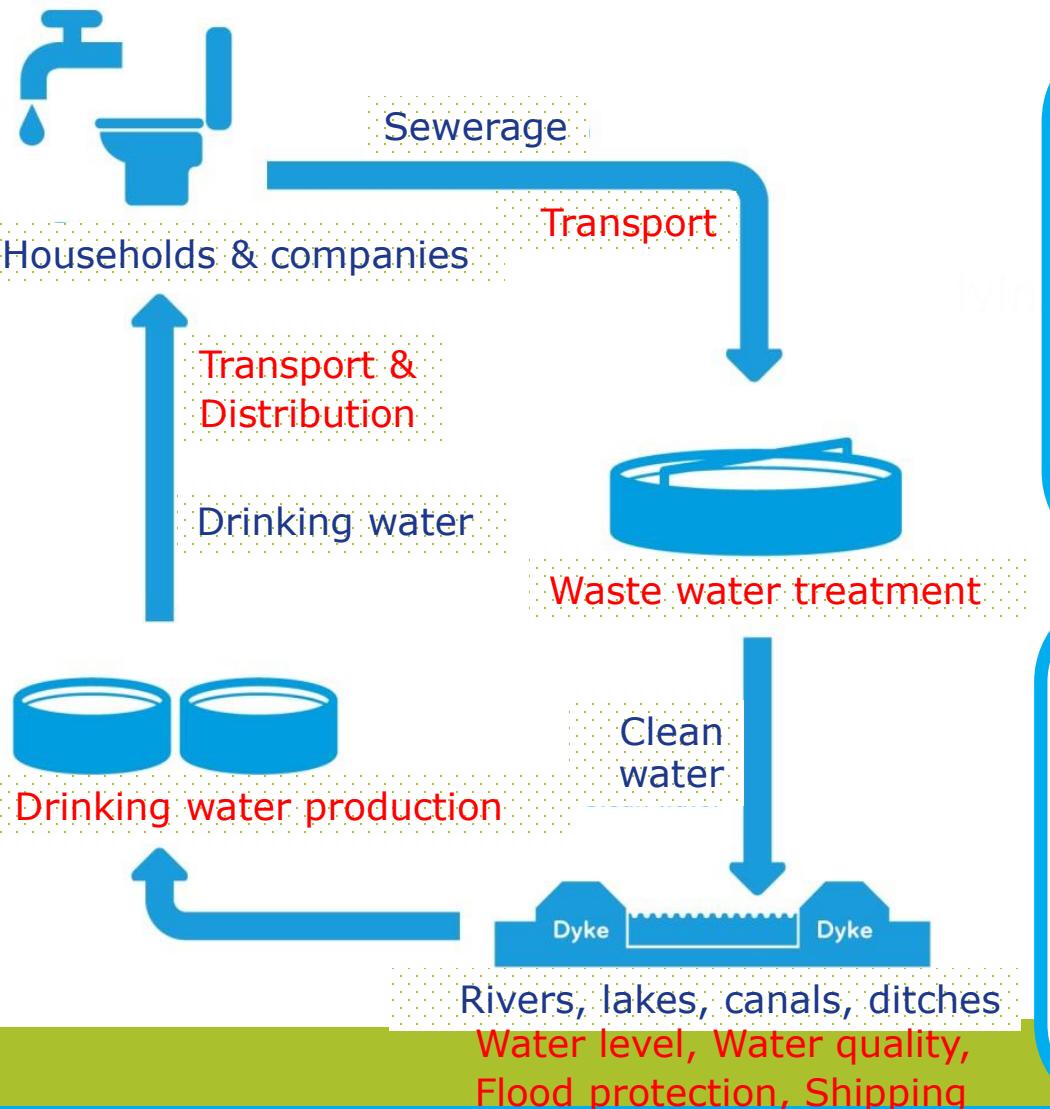
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**25 May 2015**



# WATER CYCLE



# OWNERS WATERNET

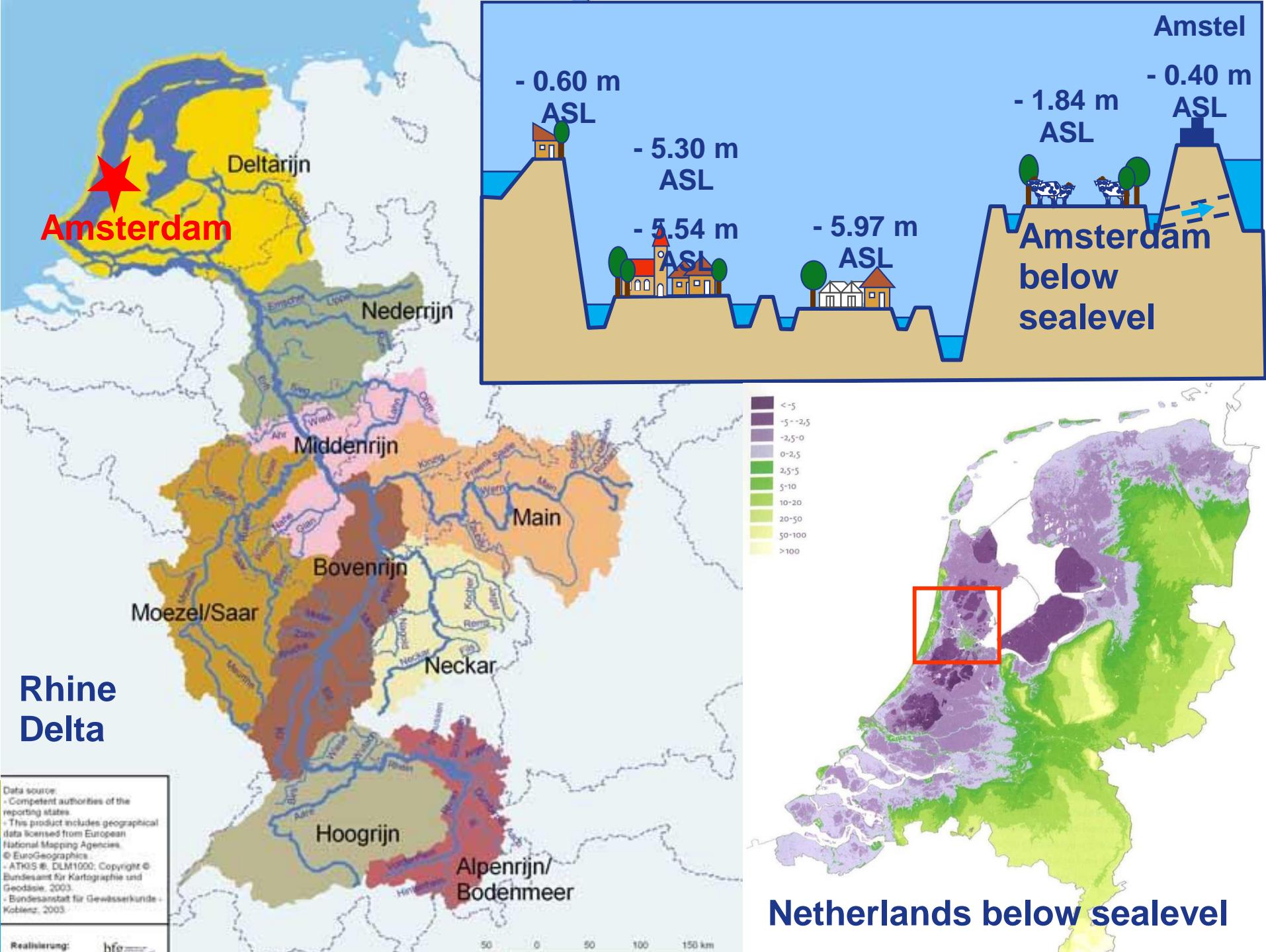
## City of Amsterdam

- Drinking water
- Sewerage
- Storm water
- Groundwater
- Shipping and inland waterways

## Regional Water Authority Amstel, Gooi and Vecht



- Flood protection
- Water level management
- Water quality control
- Waste water treatment



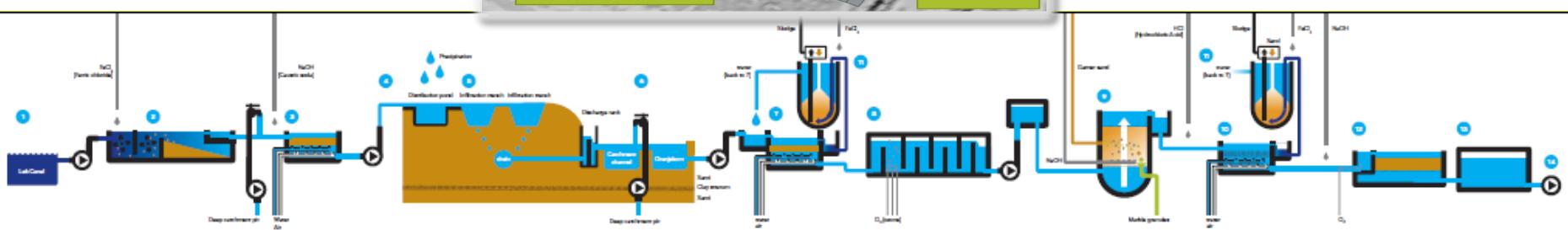
# amsmart/erdam city



water  net

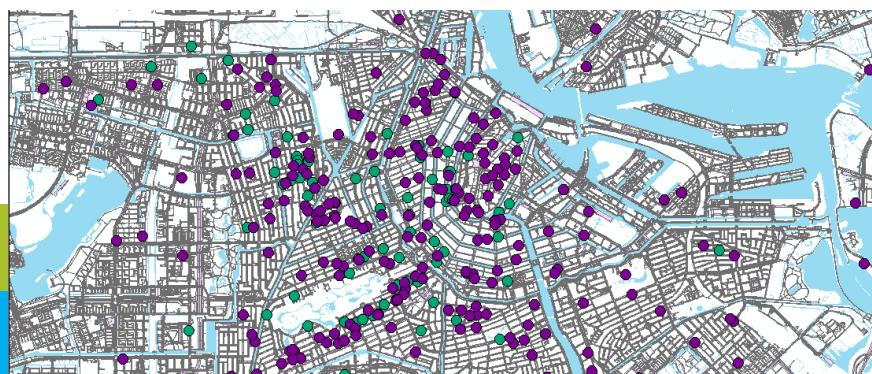
INTERNATIONAL

# > 1957: Artificial recharge and storage Amsterdam Dune Area





# 28 July 2014 – Cloudburst in Amsterdam



Extreme intensities causing 500 alerts



Amsterdam  
Rainproof

# Connecting and facilitating all stakeholders involved



platform / network organisation:

- . Improve awareness
- . Improve value of rain
- . Reduce damage



# Water quality

- Licensing and enforcements
- European framework directive
- Sewerage
- Dredging and maintenance



1963

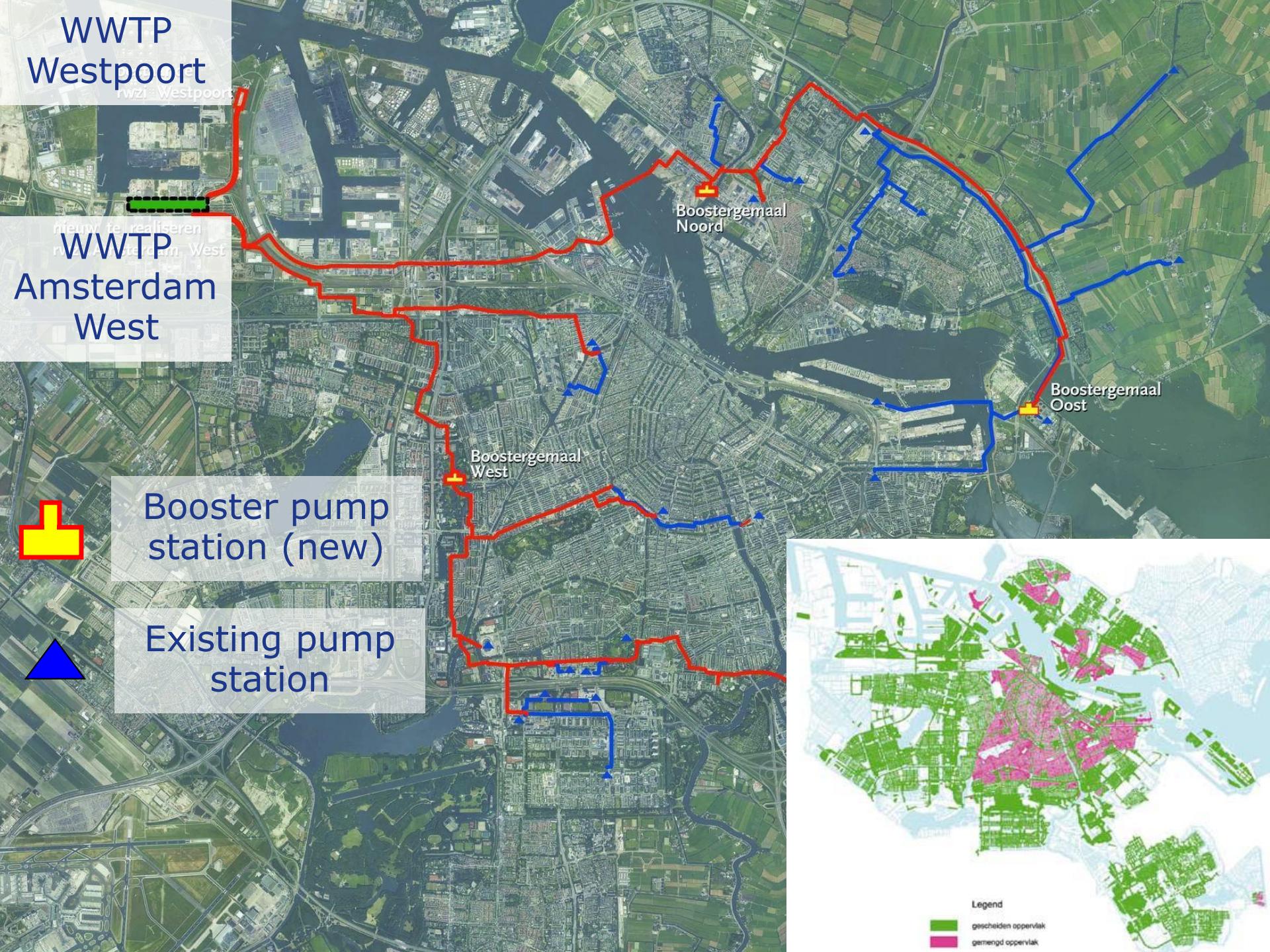


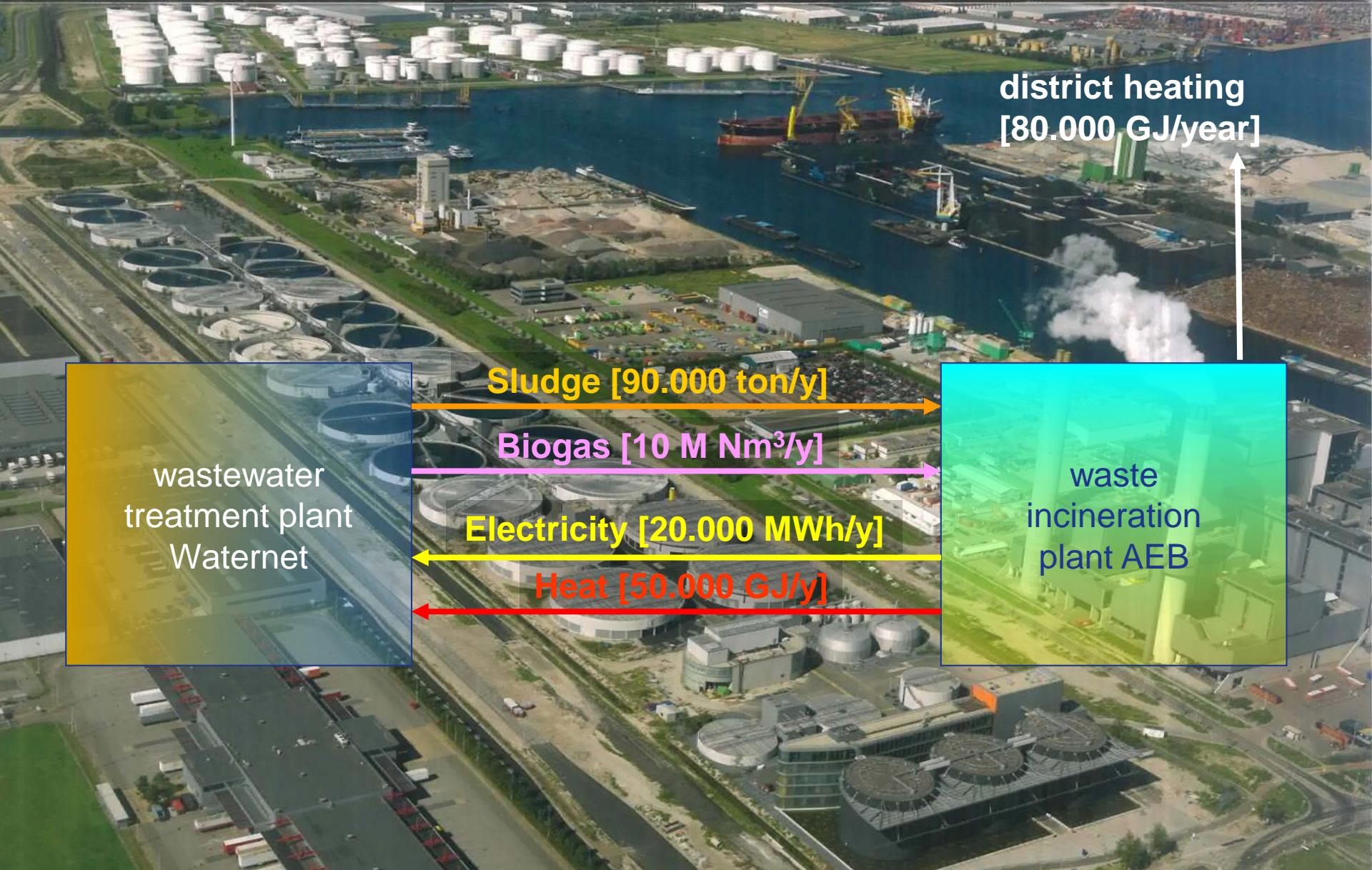
2015

# WWTP Westpoort

rwzi Westpoort

# WWTP Amsterdam West





Avoided natural gas usage: 1,8 M m<sup>3</sup>/year

Avoided greenhouse gas emissions: 3.200 ton CO<sub>2</sub>-eq/year

# Waste to Energy: Green Gas Hub Amsterdam

## Biogas cycle

Production of biogas from waste water



water<sup>net</sup>

Amsterdam waste and waste water resource



1. Waste trucks, cars tank biogas at BASE



Gemeente Amsterdam  
Afval Energie Bedrijf

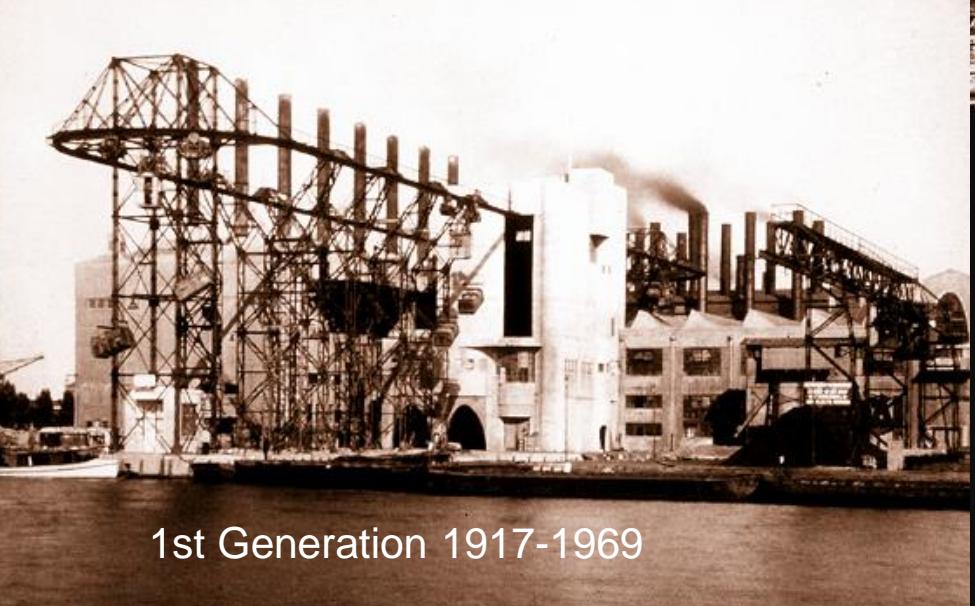


CO2 reduction and decrease of particle emissions

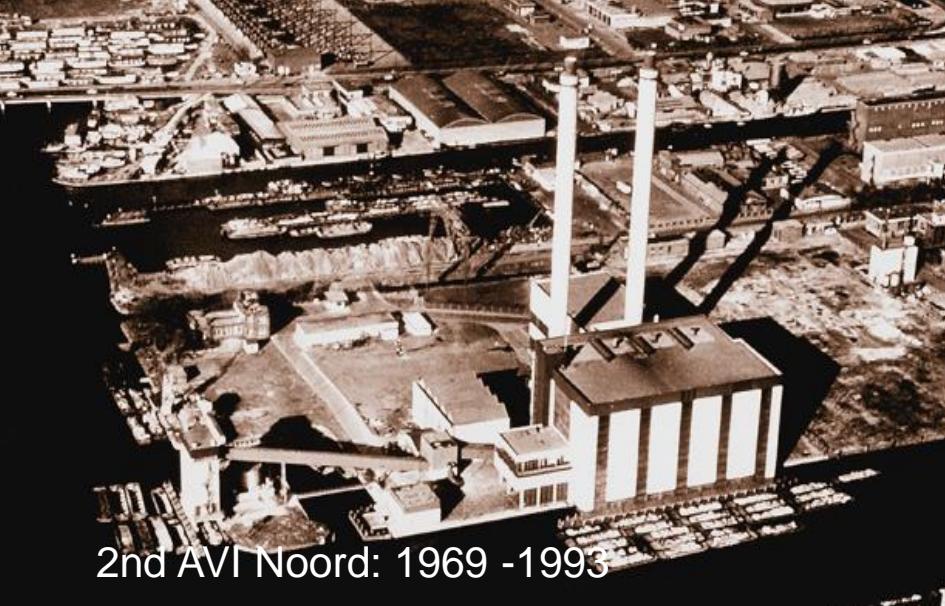
700 waste trucks per day



Improved air quality in the city



1st Generation 1917-1969



2nd AVI Noord: 1969 -1993

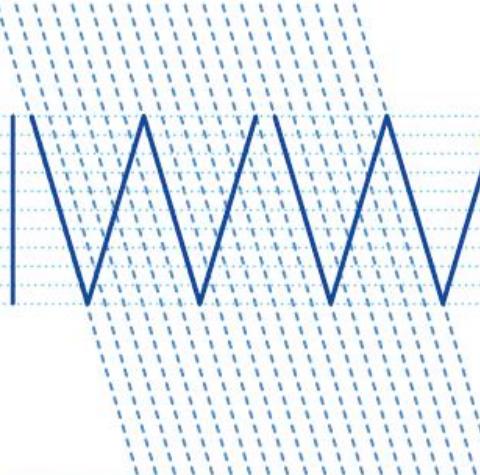
**97 years of experience in Waste to Energy**



3rd AVI West 1993 - present



4th WFPP 2007 - present



# AMSTERDAM INTERNATIONAL WATER WEEK

'Integrated solutions for a circular economy and resilient cities'  
[www.internationalwaterweek.com](http://www.internationalwaterweek.com)



AMSTERDAM INTERNATIONAL  
WATER WEEK  
2-6 NOVEMBER 2015



Thank you for your attention

