

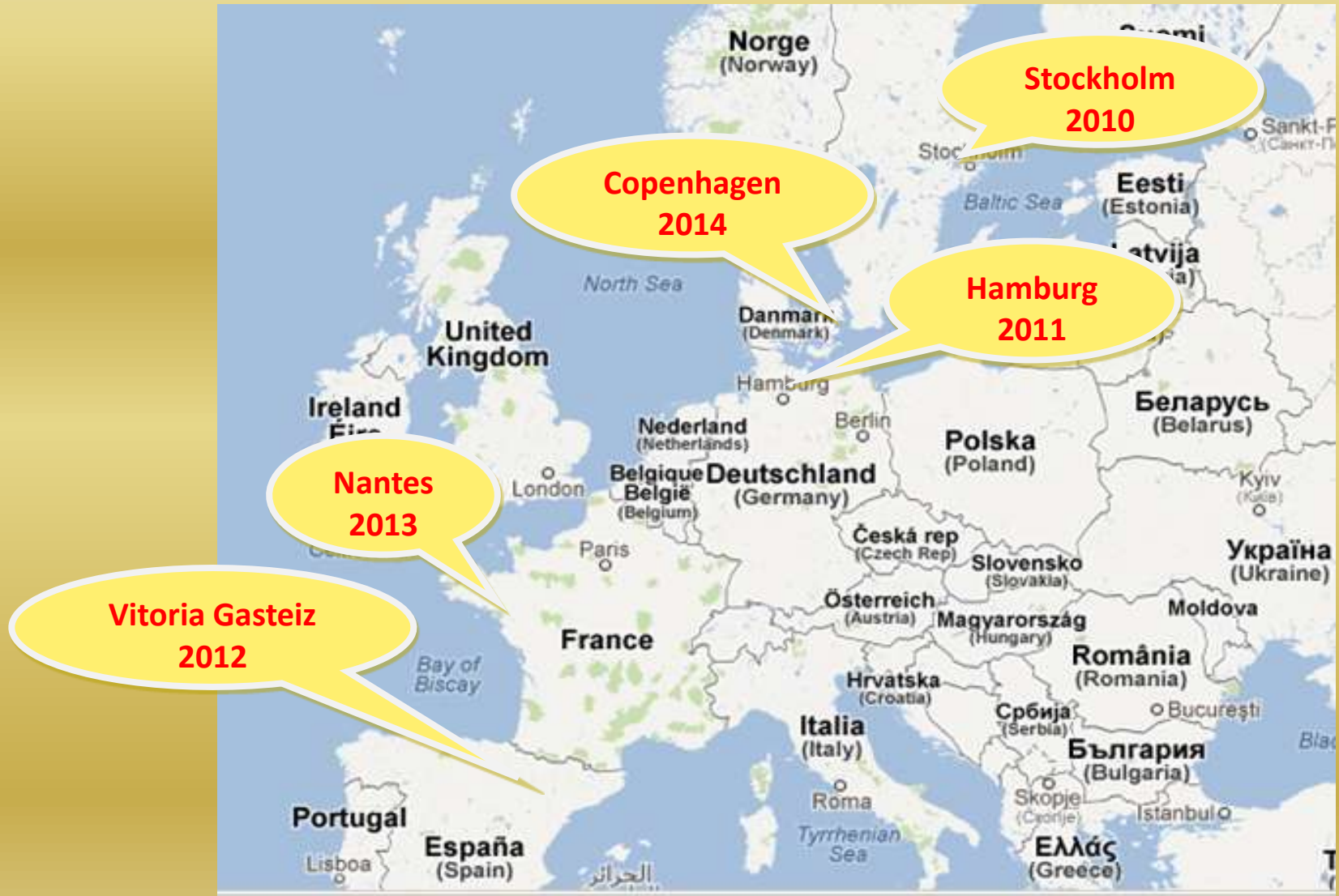
STOCKHOLM  
*winner 2010*



EUROPEAN  
**GREEN CAPITAL**

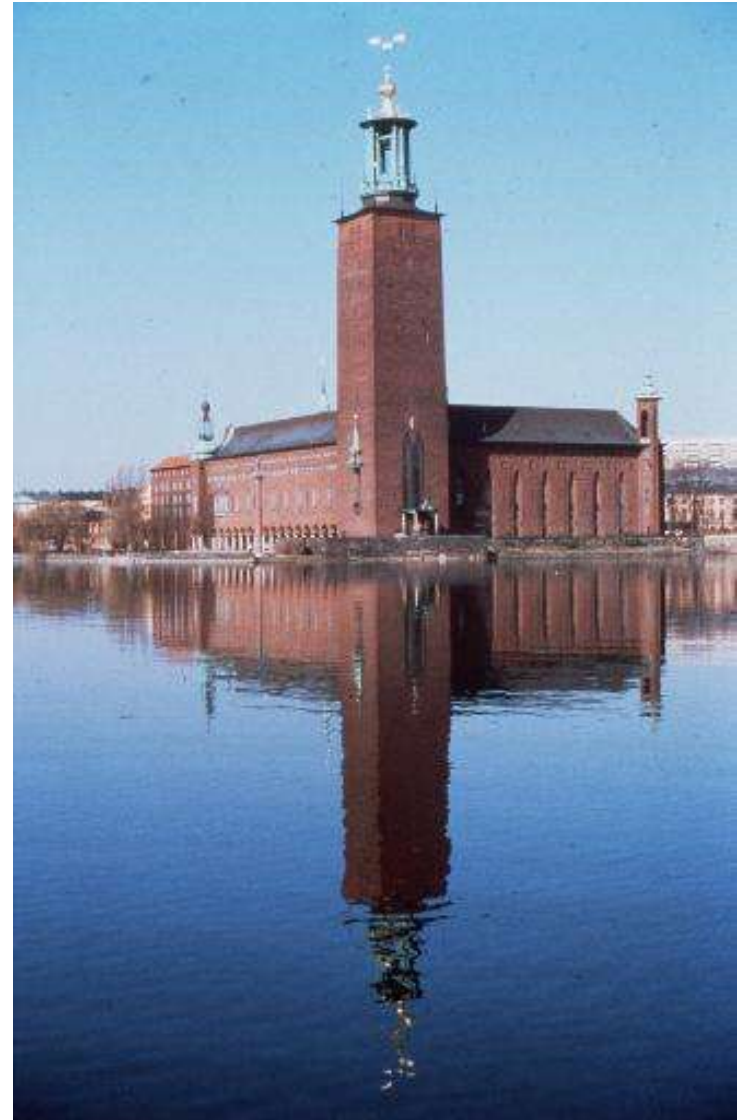


# European Green Capitals



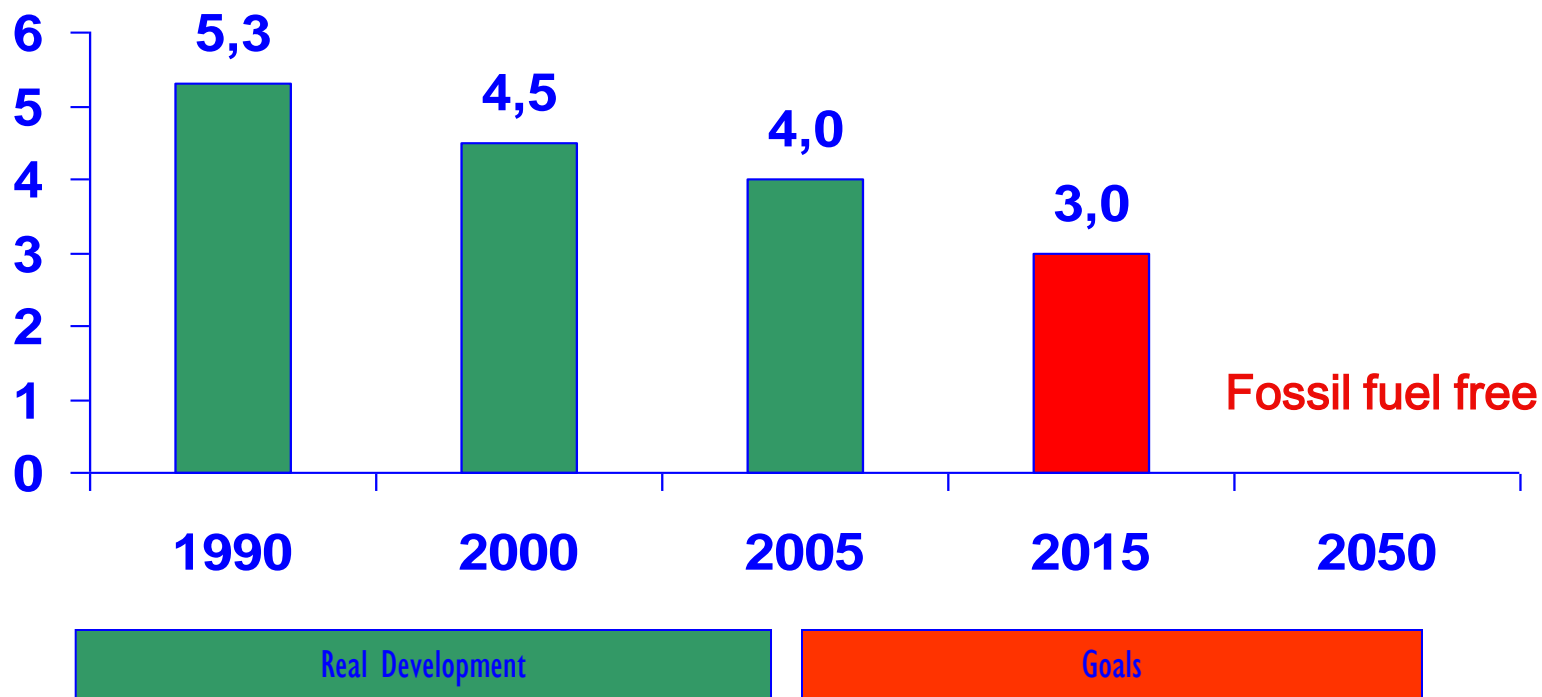
# Vision 2030 combining growth with sustainable development

- 200 000 more citizens
- Denser city
- Fossil free 2050
- Waste use – recycling
- Urban structure and green belts
- Integrated sustainable solutions
- Public Awareness



# Goals and achievements

Tonnes CO<sub>2</sub>-ekv per capita

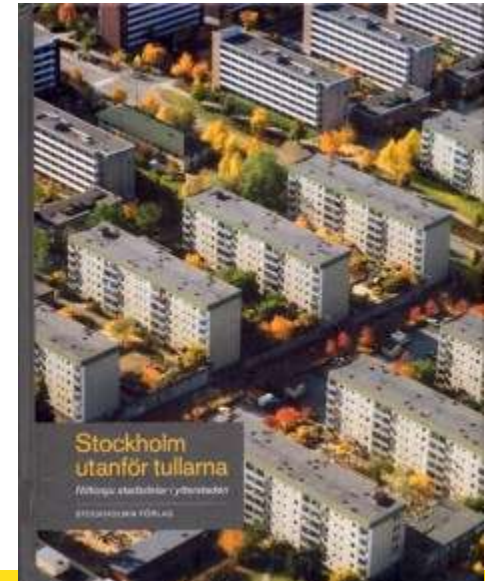


# It all started in the 1930's



STOCKHOLM UTANFÖR TULLARNA  
Rikliga stadshälsa i yttre staden  
STOCKHOLM UTANFÖR TULLARNA  
Rikliga stadshälsa i yttre staden  
STOCKHOLM UTANFÖR TULLARNA  
Rikliga stadshälsa i yttre staden

Årsta



THE CITY OF STOCKHOLM



# Vällingby – ABC City 1950's



# Husby 1970's



# The Hammarby Waterfront project

- Size 180 ha
- 10 400 new flats
- 200.000 m<sup>2</sup> new offices, services
- Construction time 1995–2017
- Sustainable development
- Renewable energy use
- Integrated transport and land use
- Eco cycle model



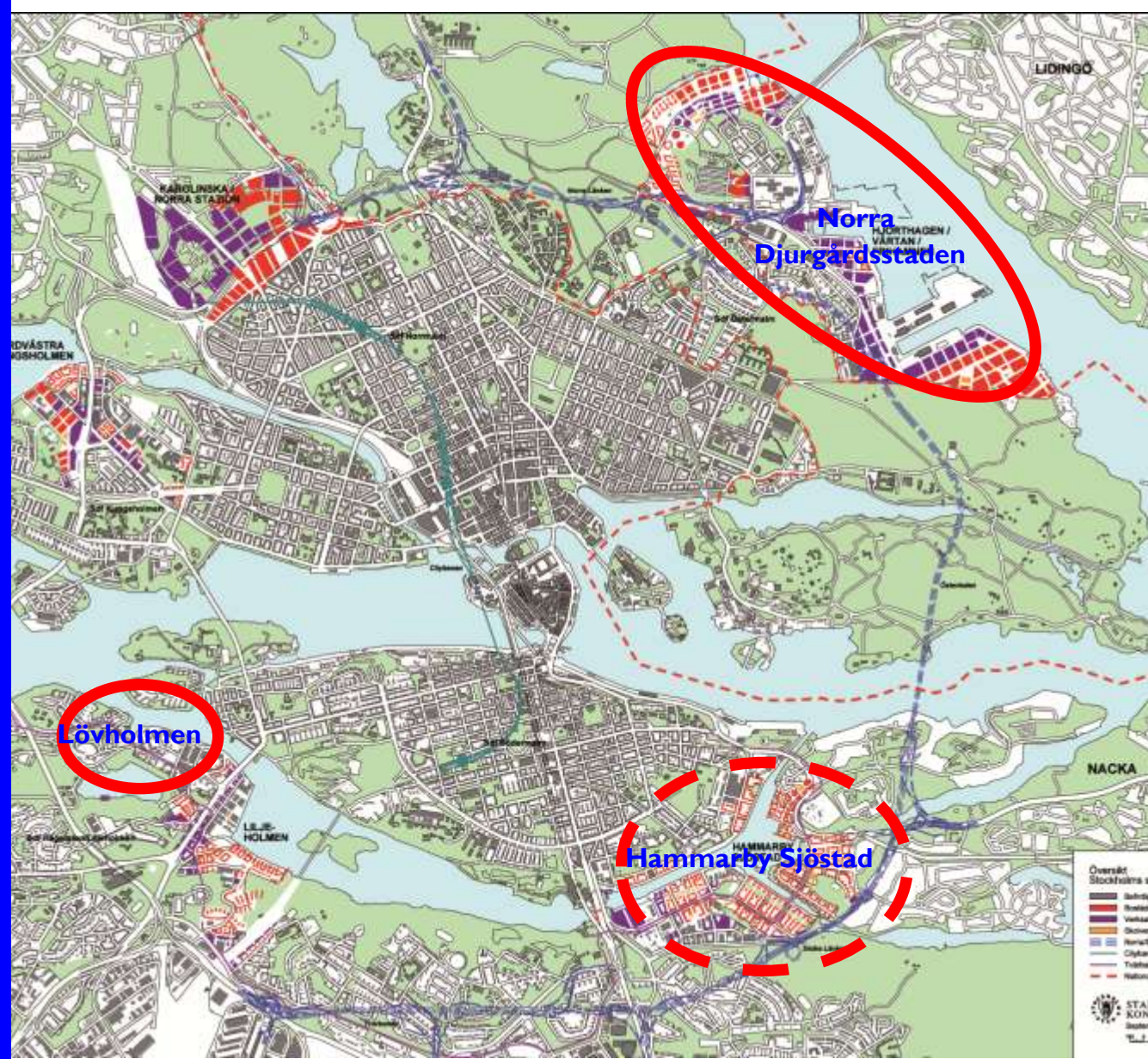
# The city's development areas

A number of urban areas around Stockholm have been identified for transformation and re-use - preferably former industrial sites by the water.

The areas are mainly in direct connection to the central parts of the city, with proximity to infrastructure, service and public transport.

Soil is often contaminated, amplified etc.

The transformation can collectively make an imprint and a new "annual ring" around the inner city.



# The Royal Seaport



**Over all bejective:**

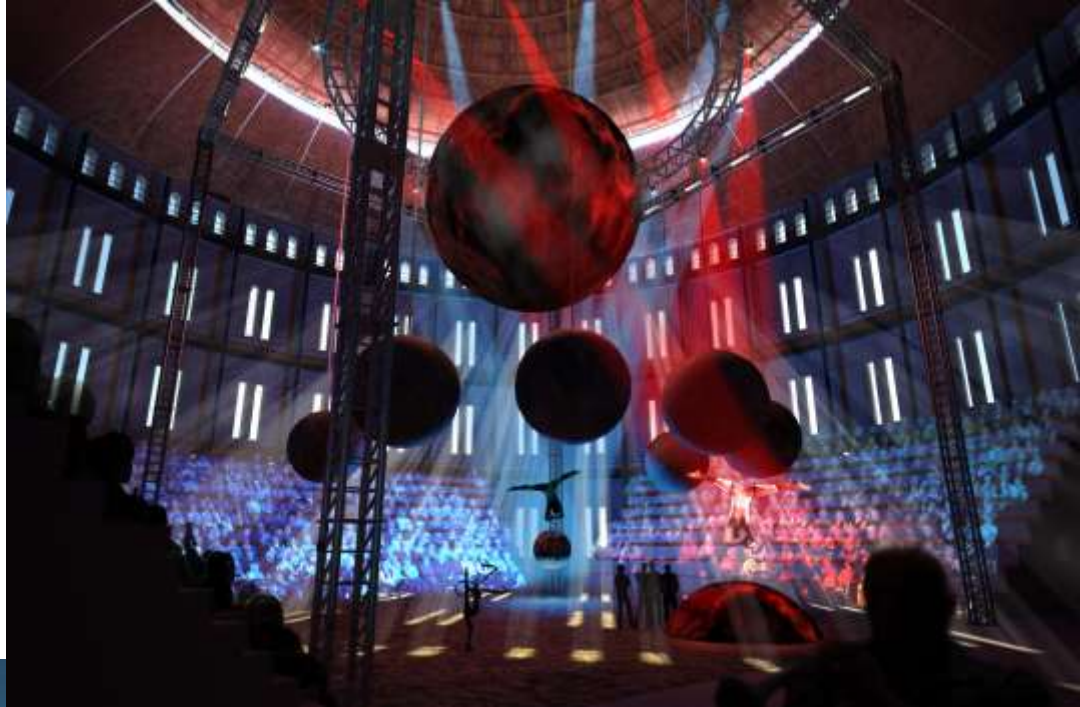
- Year 2030 is The Royal Seaport fossil free
- Year 2020 under 1,5 ton per person
- A Climate adapted area
- C40 – partner for developing standards for sustainable housing



THE CITY OF STOCKHOLM



# New Opera Stage



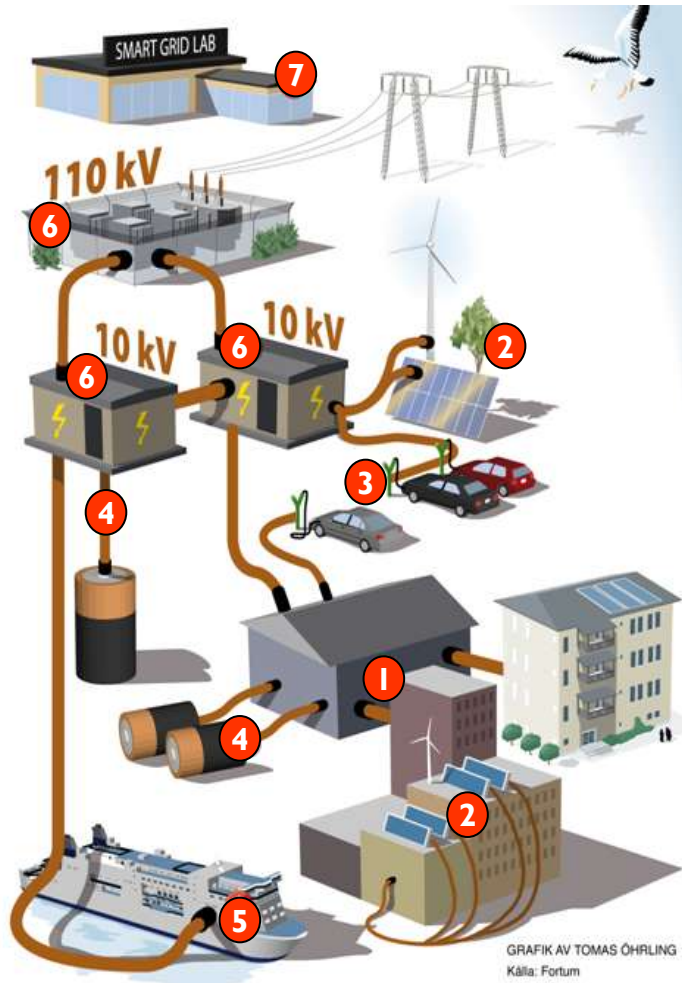
# Skyscraper in the old gasometer



THE CITY OF STOCKHOLM



# Fortum and ABB is planning for a large scale smart grid system in Stockholm Royal Seaport



- 1 Smart homes/Buildings and Demand Response
- 2 Distributed Energy Systems
- 3 Integration and Use of electric vehicles
- 4 Energy Storage for customers and the grid
- 5 Smart electrified harbour
- 6 Smart Primary Substations
- 7 Smart Grid Lab (part of an innovation Center)



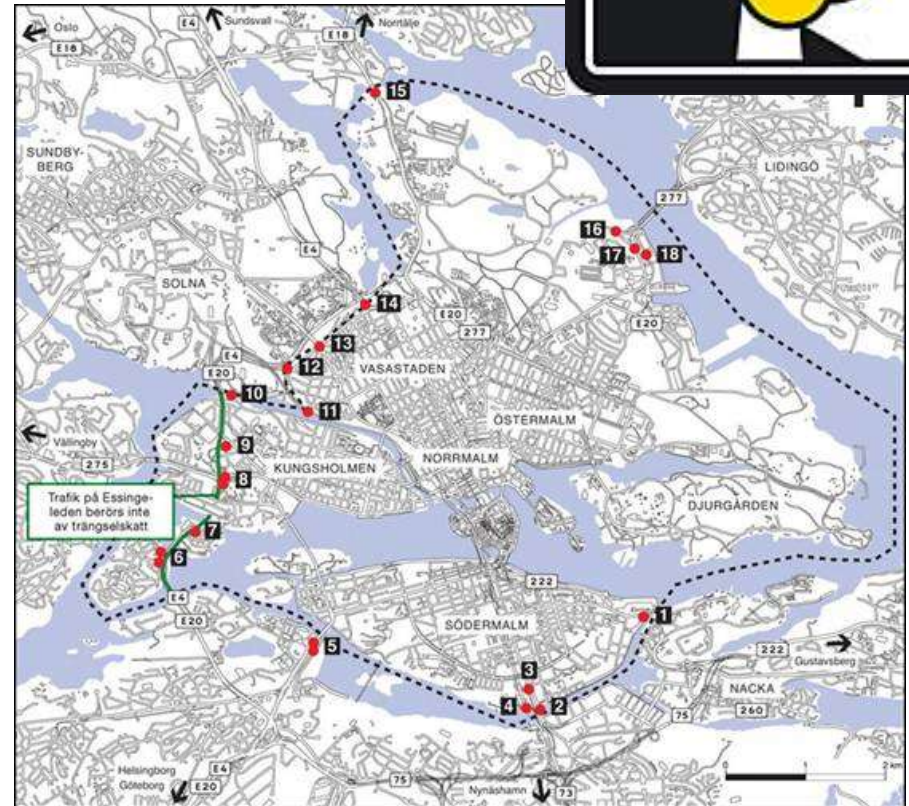
# Smart Grid and ICT by Ericsson, ABB and others

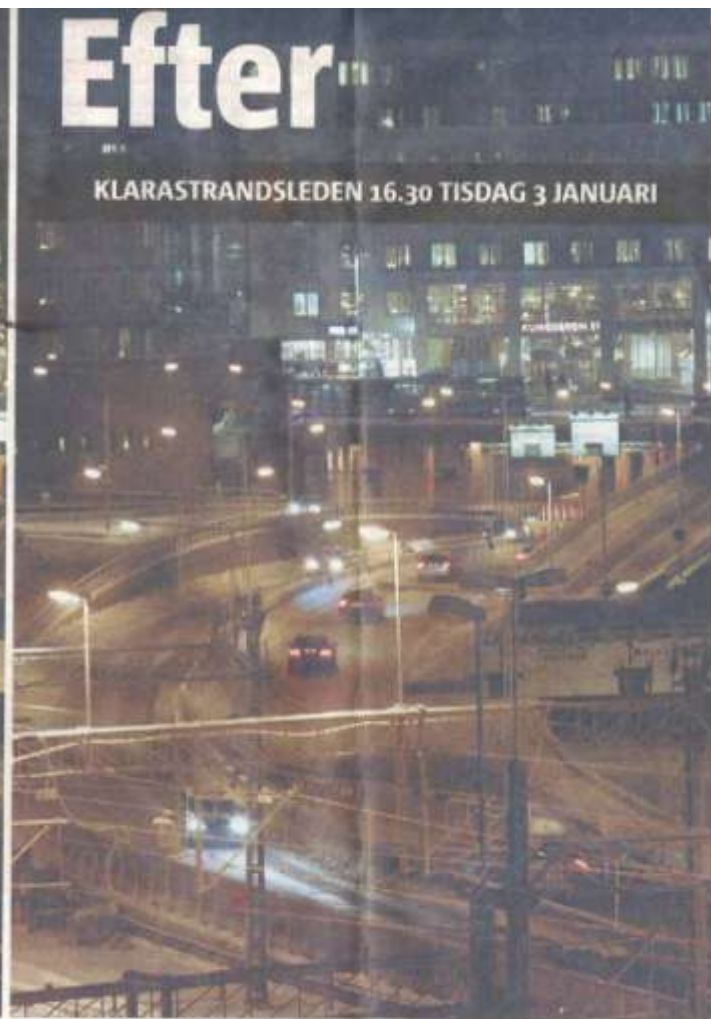
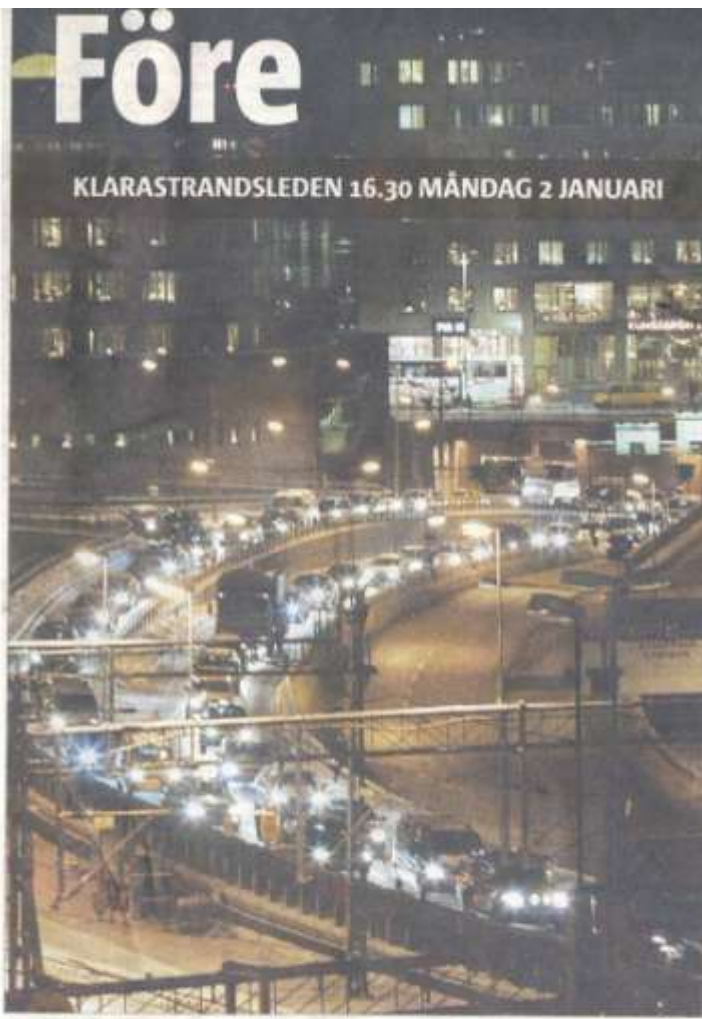




# Congestion charges

- 20 % decrease in traffic
- 10 – 14 % decrease of emissions
- 2 – 10 % better air quality
- Less human exposure
- From huge opposition to broad majority in favor





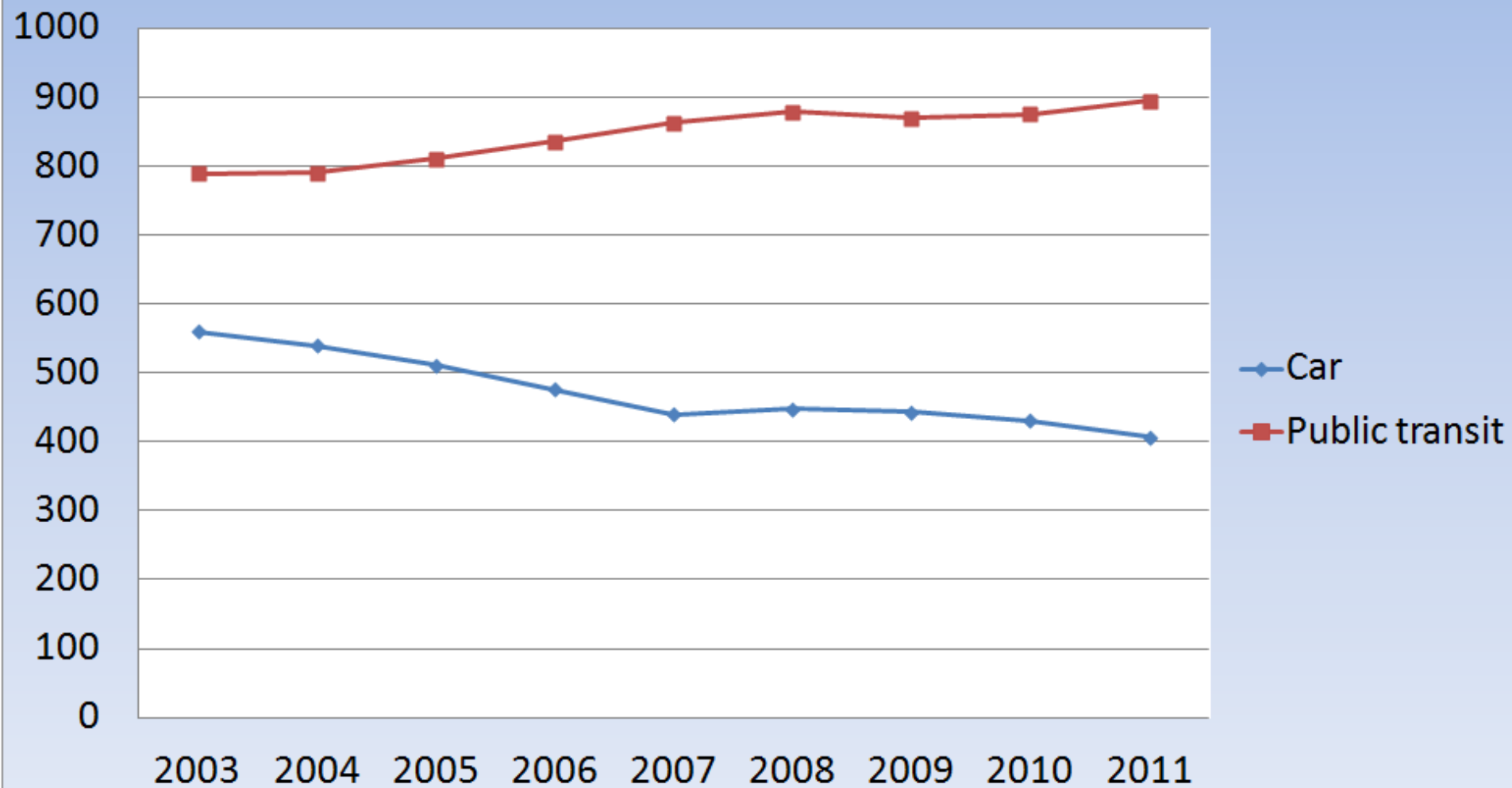
# Var fjärde bil försvann



THE CITY OF STOCKHOLM



# Traffic in and out from inner city 06:00 - 21:00



# Green ICT





# THANK YOU!

[www.stockholm.se/international](http://www.stockholm.se/international)



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