

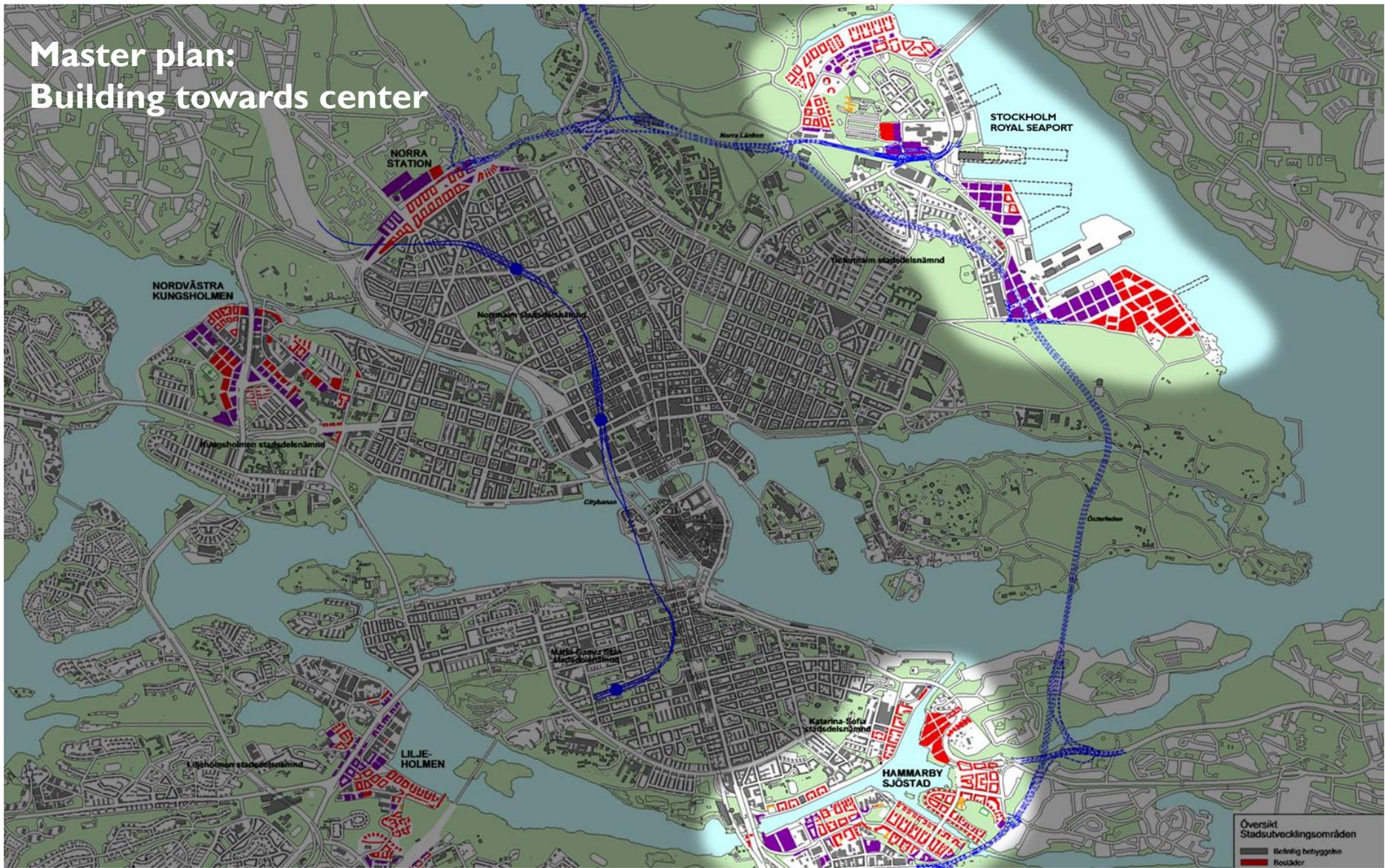
Agenda for technological development for cities – Stockholm Royal Seaport


Stockholm
The Capital of Scandinavia

– *towards a world-class Stockholm*



Master plan: Building towards center



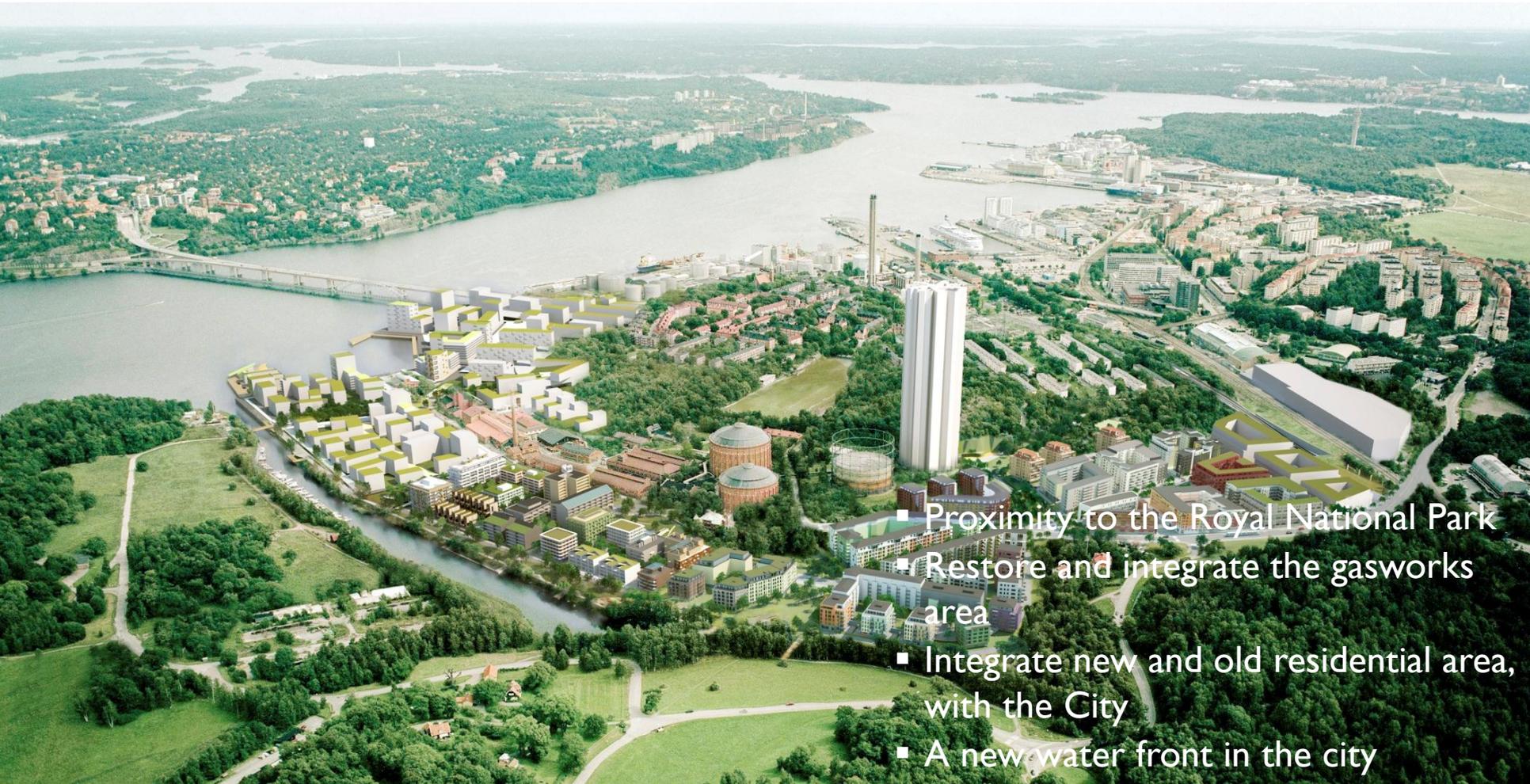
Transforming a brown field area 2010...

- Oil depot
- Container terminal
- Ports
- Powerplant
- Gasworks



.in to Stockholm Royal Seaport

–a dynamic urban environment



- Proximity to the Royal National Park
- Restore and integrate the gasworks area
- Integrate new and old residential area, with the City
- A new water front in the city



CITY OF STOCKHOLM
DEVELOPMENT ADMINISTRATION

Sustainable profile

Vision

Stockholm Royal Seaport is a world-class environmental city district

Goals

- By 2030, free of fossil fuels and climate+
- Adapted to climate change
- High ecological, social and economical goals



Focus areas

- Sustainable energy
- Sustainable transport
- Sustainable buildings
- Eco-cycle solutions
- Sustainable lifestyles
- Climate adaptation



Sustainable energy



- The used energy will be based on renewable energy sources:
 - Fossil fuel heating
 - Production of renewable electricity:
local and regional

2 energy requirement – on developers

1. 55 kWh
per m² and year

– passive houses towards
plus houses

2. 30%

– locally produced
electricity by renewables



ICT-solutions (Mobility Management)

- Walking & biking
- Commuter traffic
- Car-pool (biogas & electrical)
- Private cars (biogas & electrical)



TRAFFIC HIERARCHY

Adaptation to climate change

- More humid climate
- Preventive planning of buildings & infrastructure

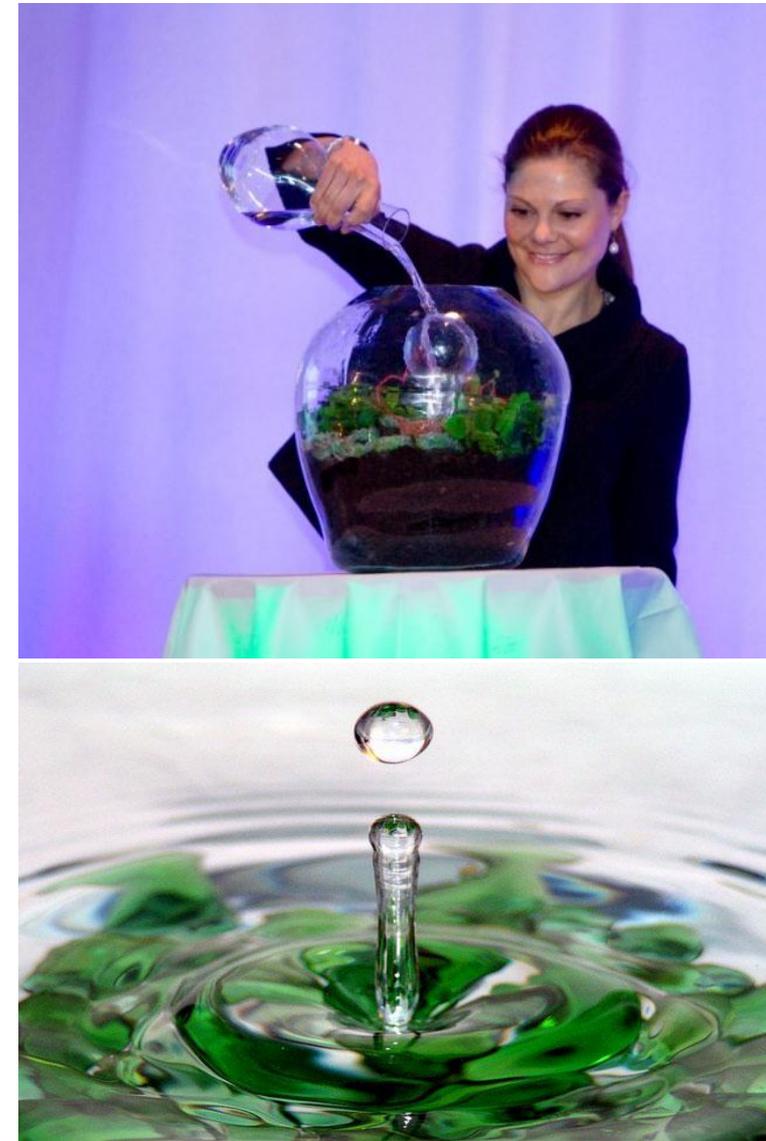


- Climate adaption
- Social recreation
- Biological diversity

Stockholm Royal Seaport Innovation

R&D Projects

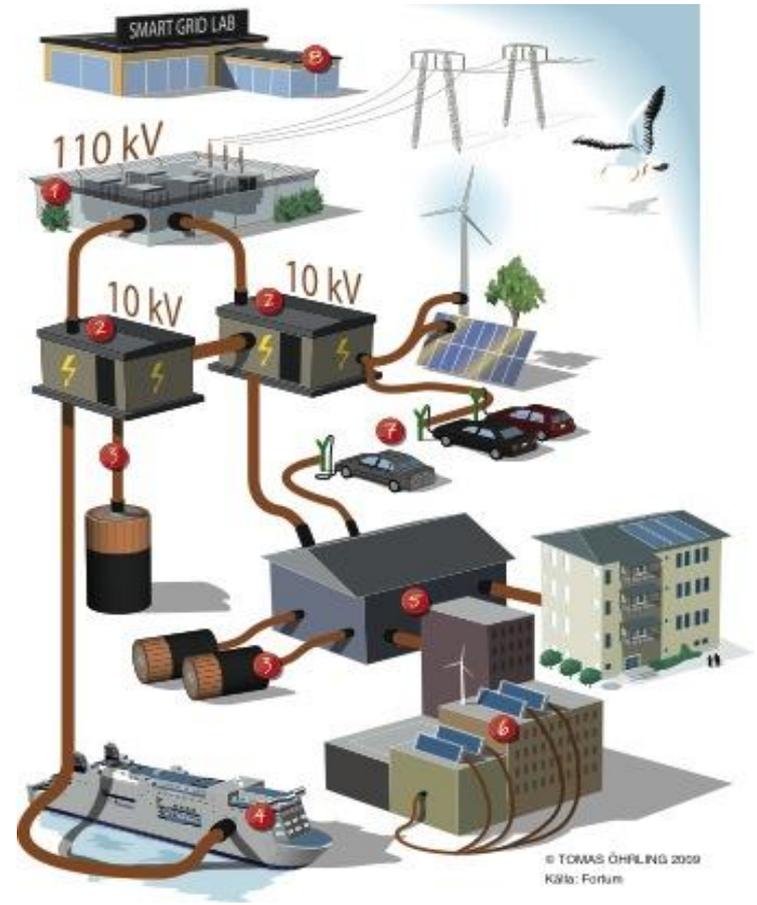
- Smart Grid > Fortum
- Smart communication > Ericsson
- Smart waste system > Envac
- Smart ICT for living & working > Swedish ICT
- Climate+ Development Program
- Evaluation Model



Smart Energy systems

Fortum/ABB is developing Smart grid

- Active houses for active customers
- A more solid and robust electricity grid
- Smart grid lab collecting for demand respond data to customers
- New regulation policy
- An electrified port



Smart waste collecting systems

Envac

- Automated system for collecting waste
- Self-emptying litter bins
- Weighing of the individual waste disposals





Welcome!

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