

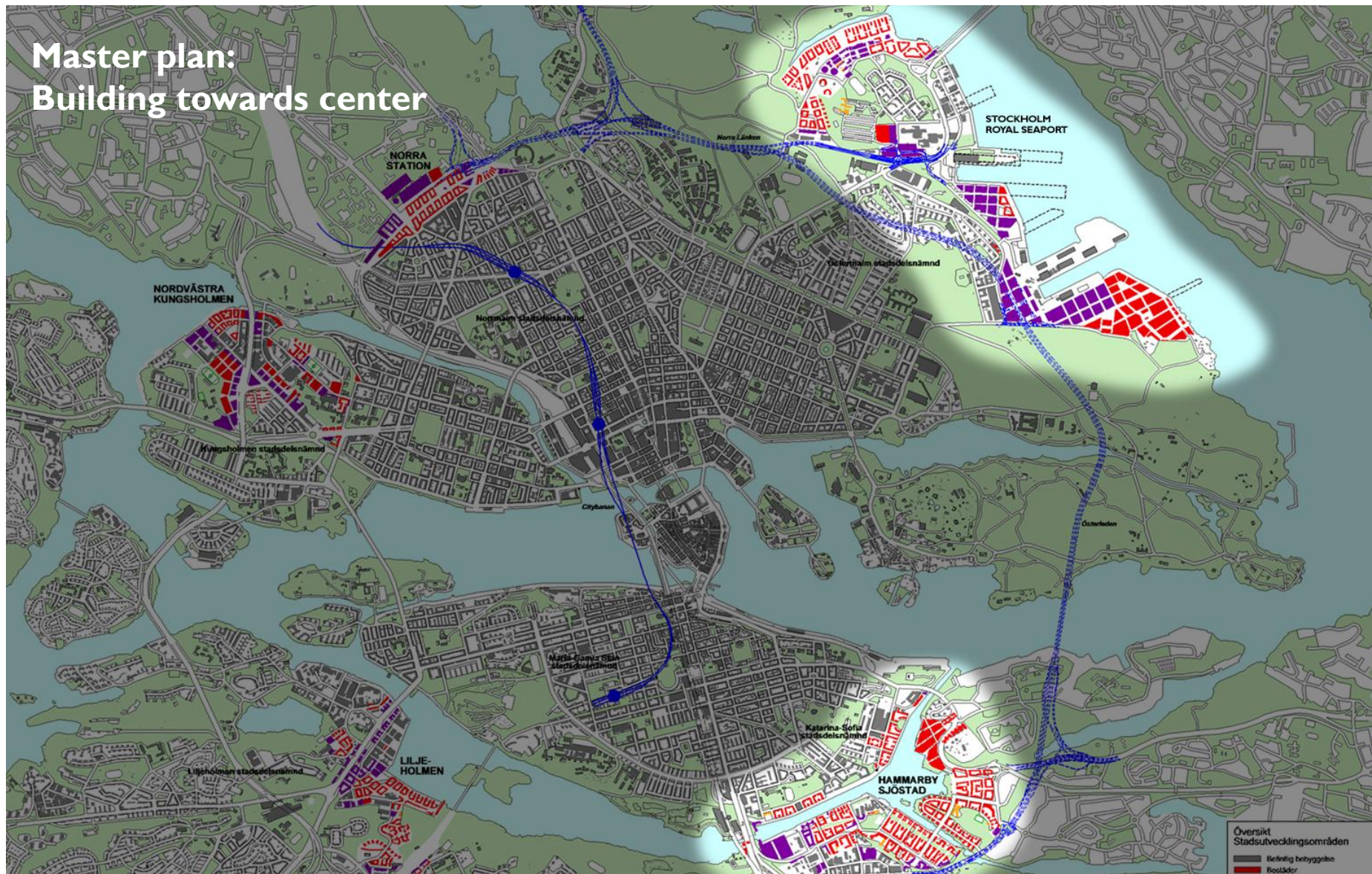
# Agenda for technological development for cities – Stockholm Royal Seaport

  
**Stockholm**  
*The Capital of Scandinavia*

– *towards a world-class Stockholm*



# Master plan: Building towards center



CITY OF STOCKHOLM  
DEVELOPMENT ADMINISTRATION

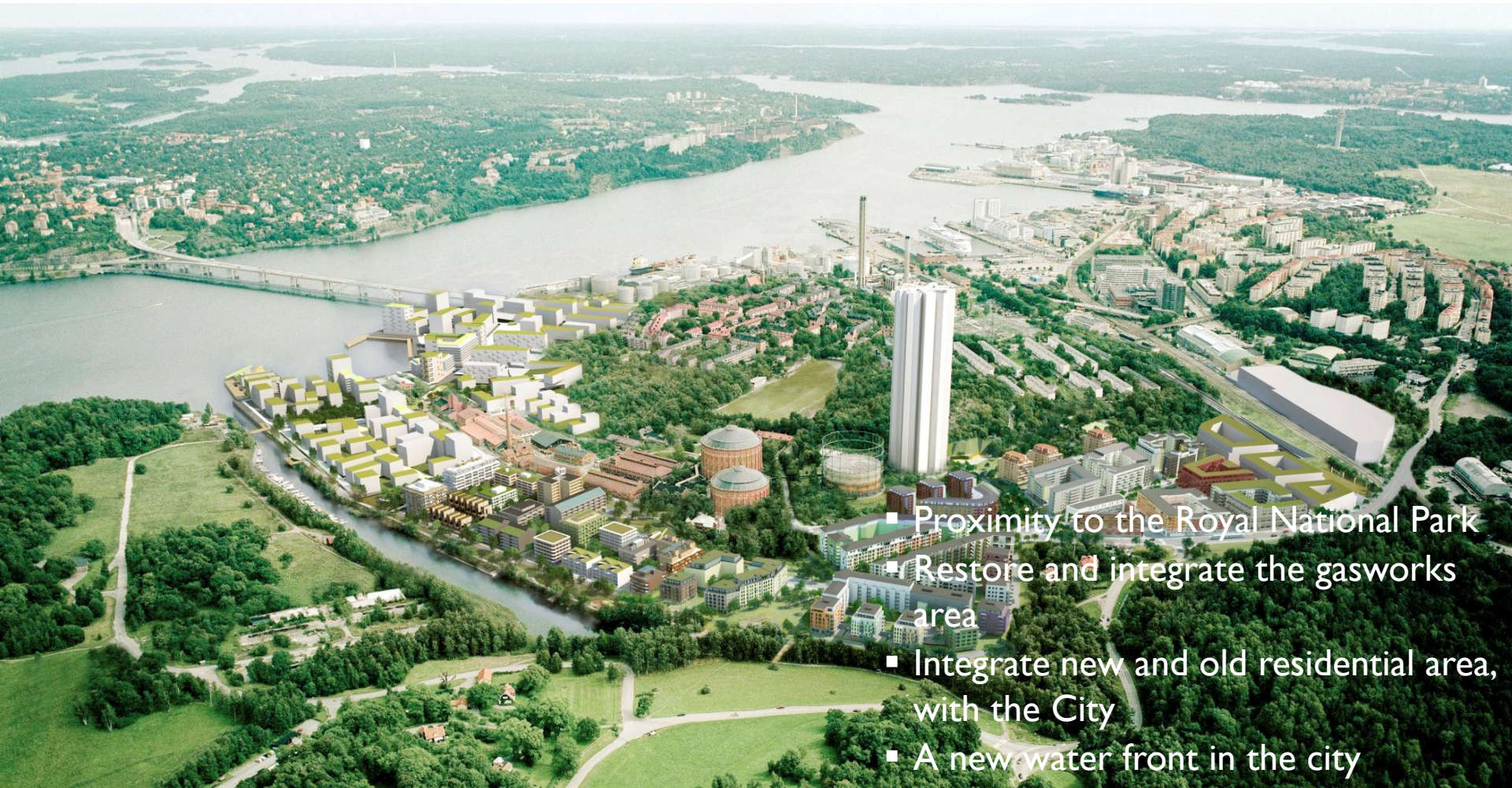
# Transforming a brown field area 2010...

- 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



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# 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 m<sup>2</sup> 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

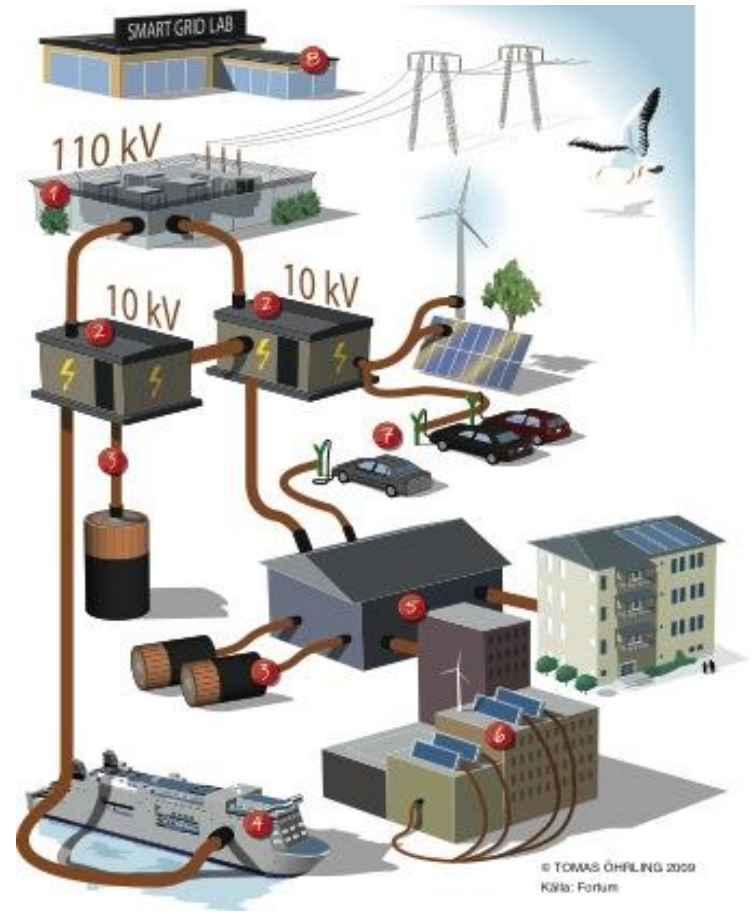
- Smart Grid > Fortum
- Smart communication > Ericsson
- Smart waste system > Envac
- Smart ICT for living & working > Swedish ICT
- Climate+ Development Program
- Evaluation Model



# Smart Energy systems

## Fortum/ABB is developing Smart grid

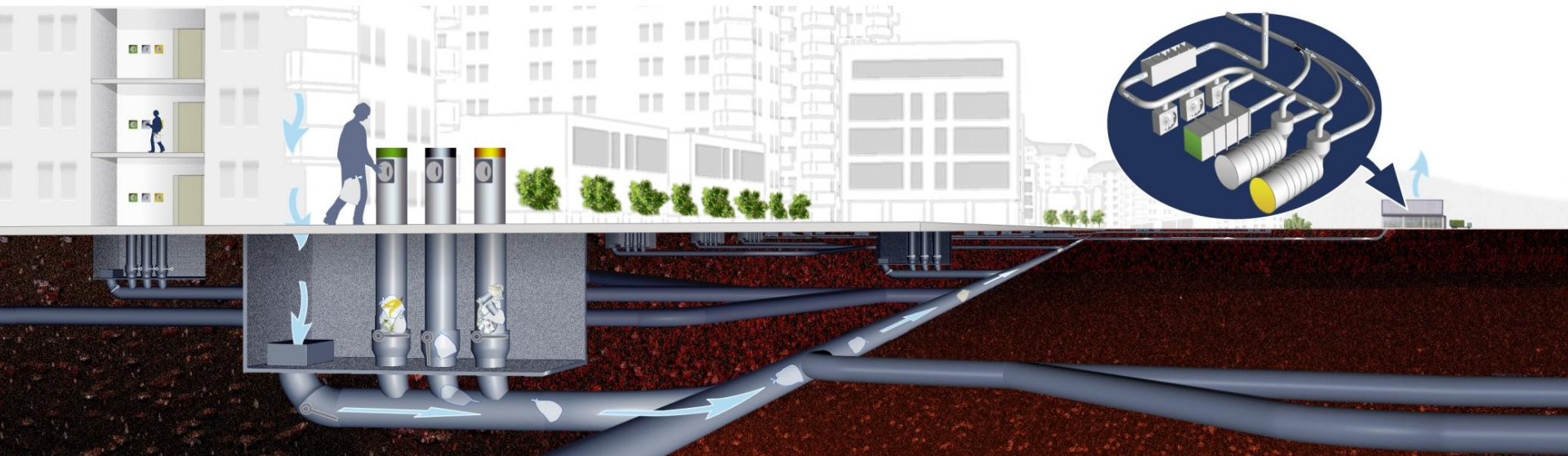
- Active houses for active customers
- A more solid and robust electricity grid
- Smart grid lab collecting for demand respond data to customers
- New regulation policy
- An electrified port



# 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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