

# Stockholm Royal Seaport

the next generations sustainable urban district

-models and strategies



Norra Djurgårdsstaden: Stockholm Royal Seaport



#royalseaport



Stockholms  
stad



# The City's mandate

Plan and develop the City's land for residential and commercial use

Sell or grant leased land

Responsible for the City's infrastructure investments in the public space

Provide municipal services



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# The political assignment





# The vision

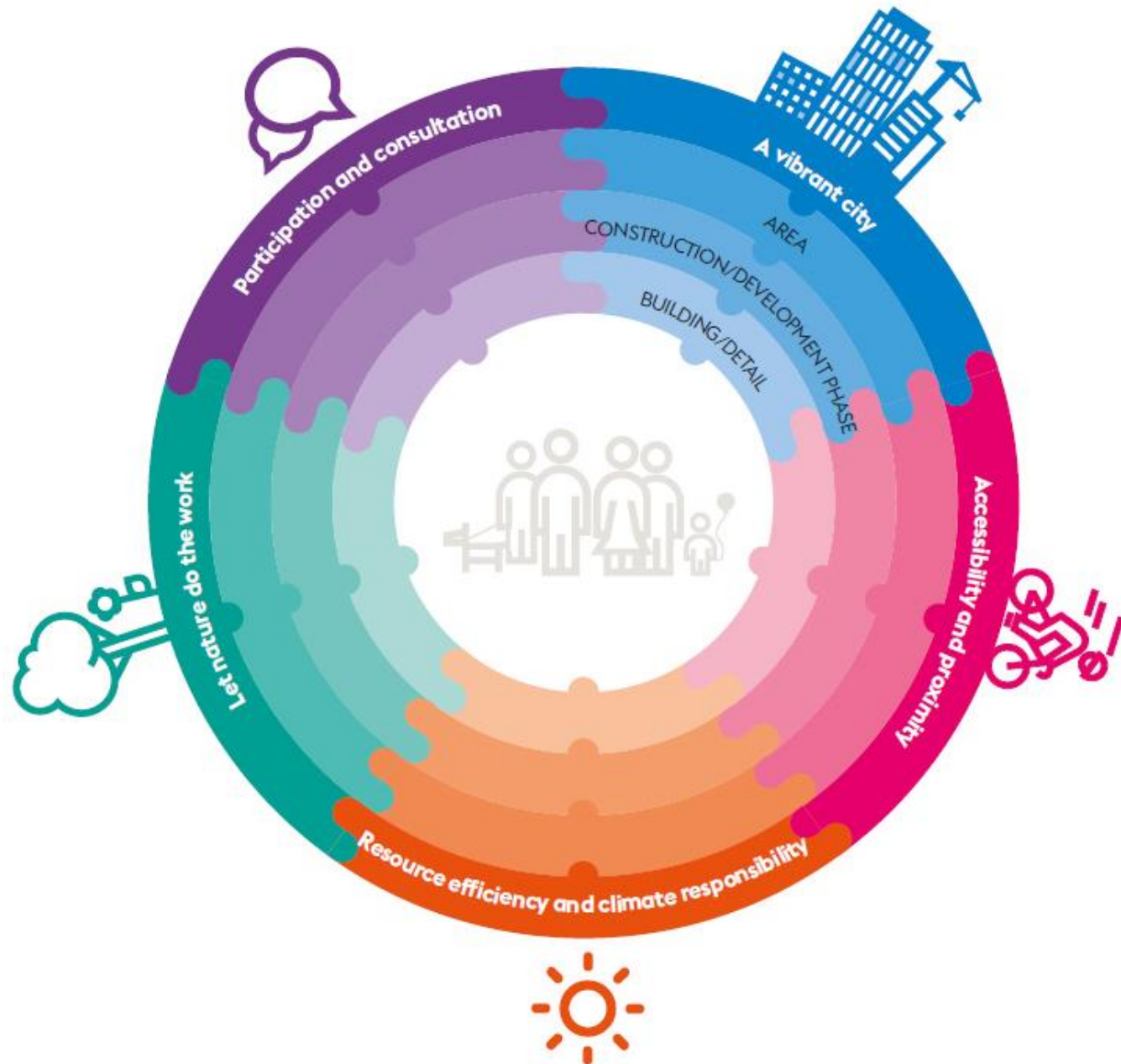
- Model for sustainable urban planning
- Testing ground to apply BAT and best processes
- Up-scaling



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# 5 strategies



# Resource efficiency and climate responsibility

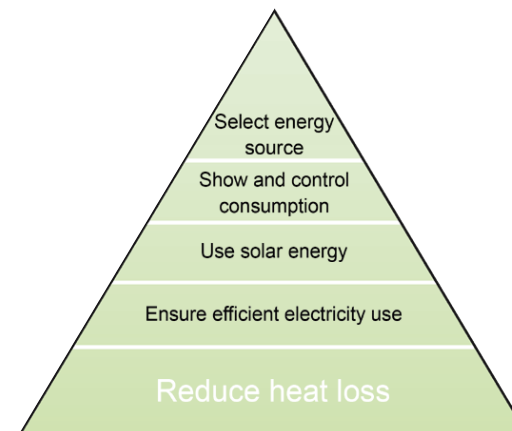
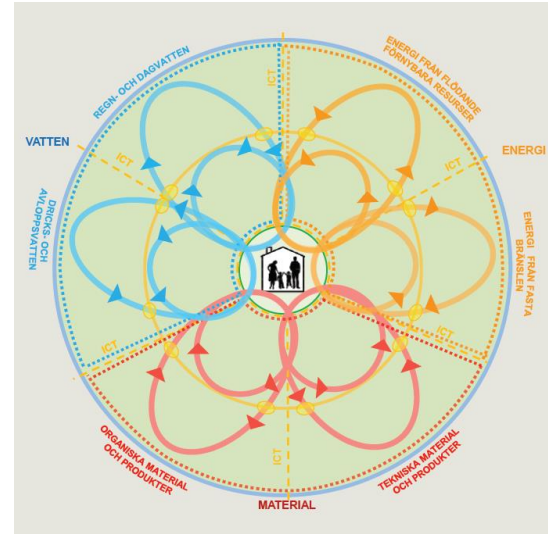


**Fossil fuel free by 2030**

**Resource efficiency by closed loops**

**Circular economy**

**Sustainable choices of building materials**

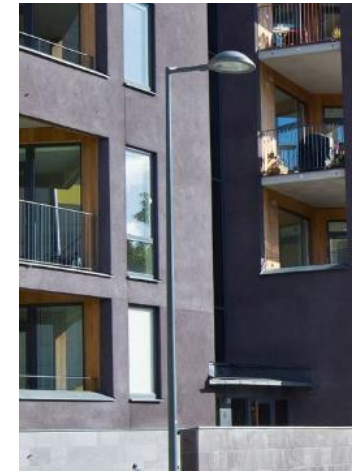


# Waste





# Energy





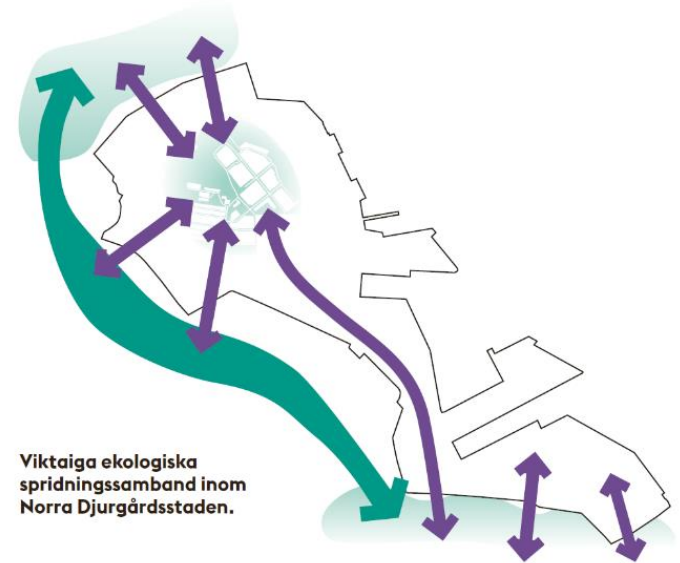
# Let nature do the work

Multifunctional green structure

Recreation

Strengthening ecosystems

Eco-system-services





# Let nature do the work





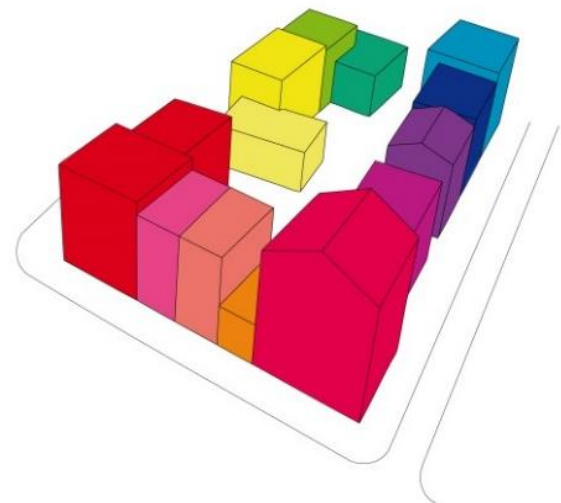
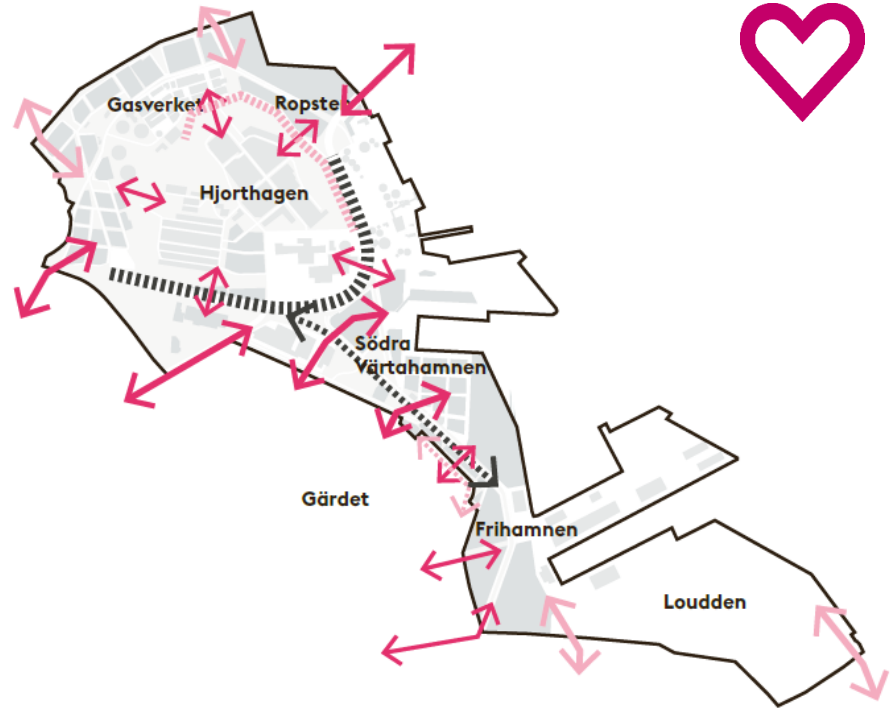
# Vibrant city

**Robust and coherent urban structure**

**Mixed use and services nearby**

**Public space for different needs, around the clock, all year round**

**Working everyday life**





# Vibrant city



# Accessibility and proximity

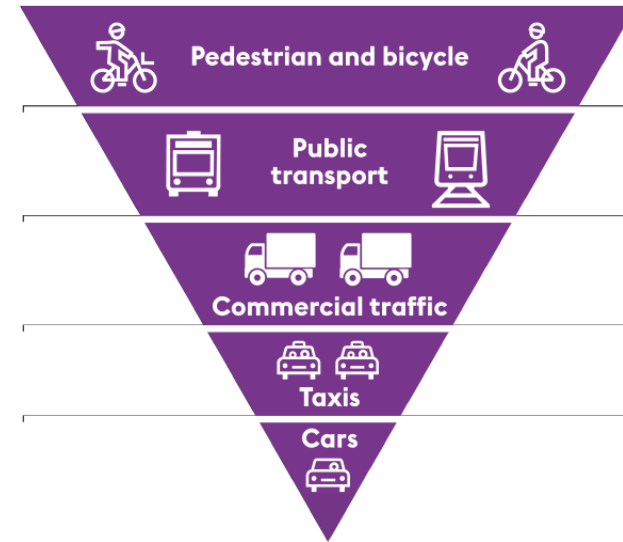


**Dense and connected**

**Traffic hierarchy**

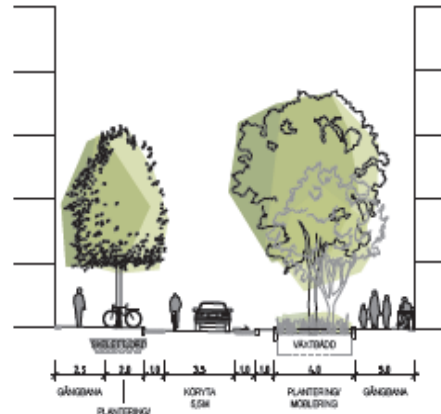
**Energy and space efficient  
modes of transport**

**The street as an outdoor  
living space**





# Accessibility and proximity



# Participation and consultation

**”Doing things right”**

**Extended public participation**

**Engage through community activities**

**Capacity building activities**





# Participation and consultation



# The process





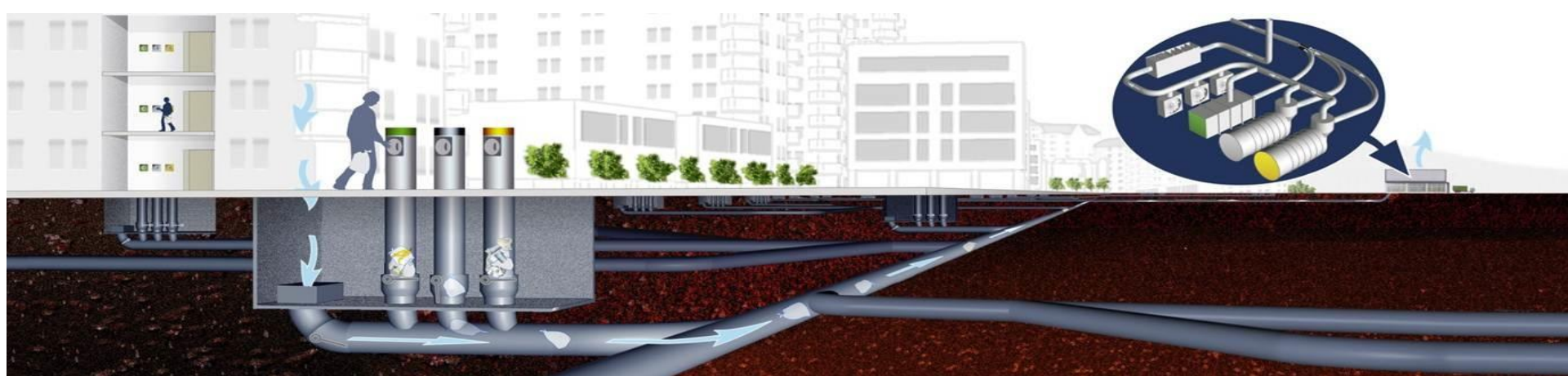
# Social innovations

Citizen involvement: initiatives & innovative procurement



# Technical innovations

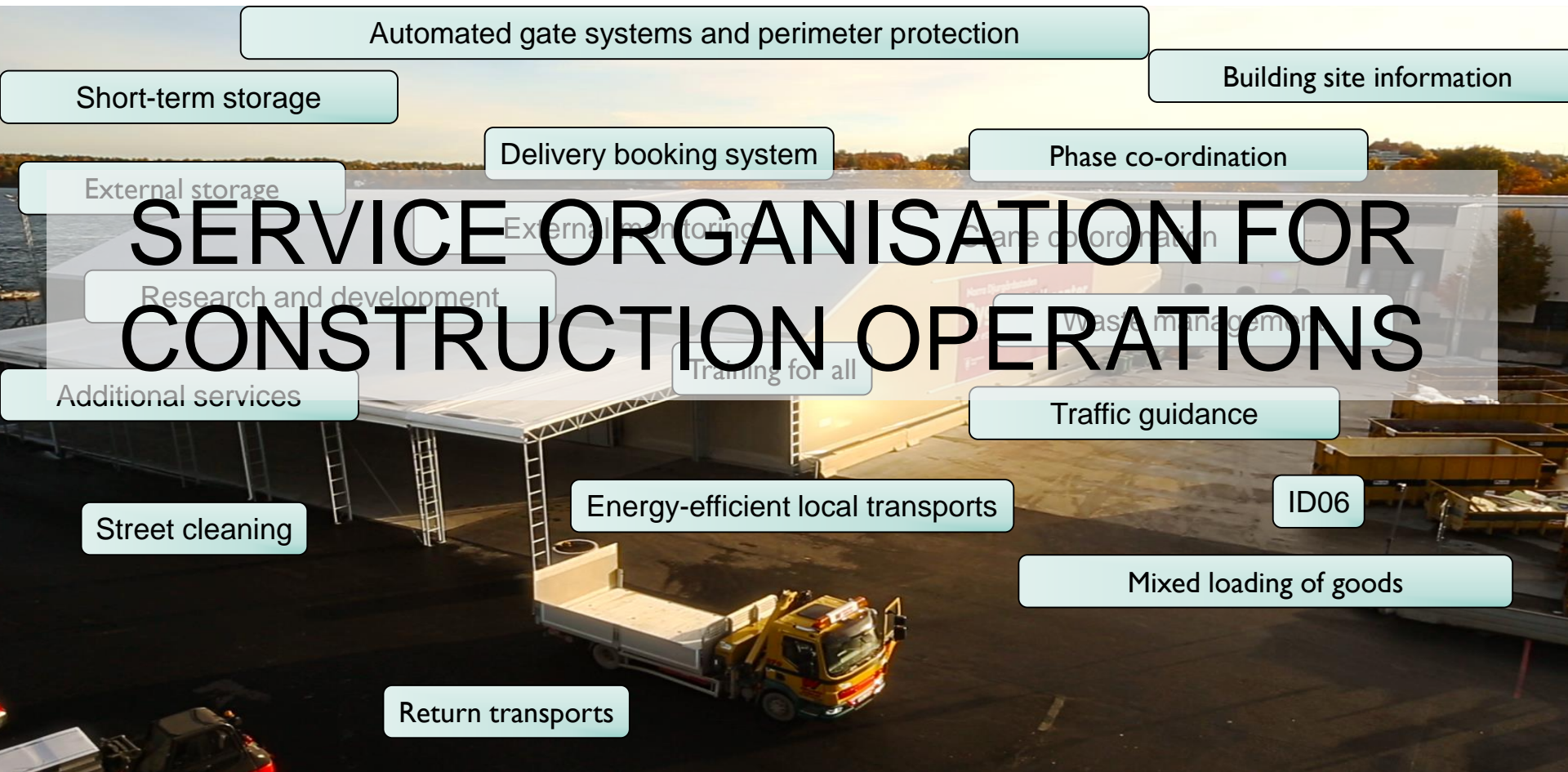
Efficient waste management and "easy to do things right"





# Technical and organisational innovations

Construction consolidation center: efficient construction and innovative procurement





# Technical innovations

Energy efficient buildings and hot water coils in green roofs





# Technical innovations

## Energy efficiency and incentives

### Competition for land allocation

- Ambitious targets
- Separated waste water (black and grey water)
- Waste water heat exchanger

#### Energy commitment – 40 kWh/m<sup>2</sup>and year

Property developer	Architect	Housing units
TB Projekt Väst	Kjellgren Kaminsky	= 60
CA Fastigheter	Lomar	= 45
Erik Wallin	Johannes Norlander	= 50
Midroc	White	= 90

#### Energy commitment – 45 kWh/m<sup>2</sup>and year

Property developer	Architect	Housing units
HSB	Joliark	= 80
Mannersons	Vera	= 50
Wallenstam	Sandell Sandberg	= 100



# Technical innovations – Smart energy city

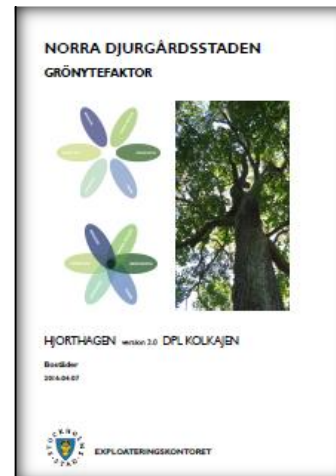
ICT and behaviour



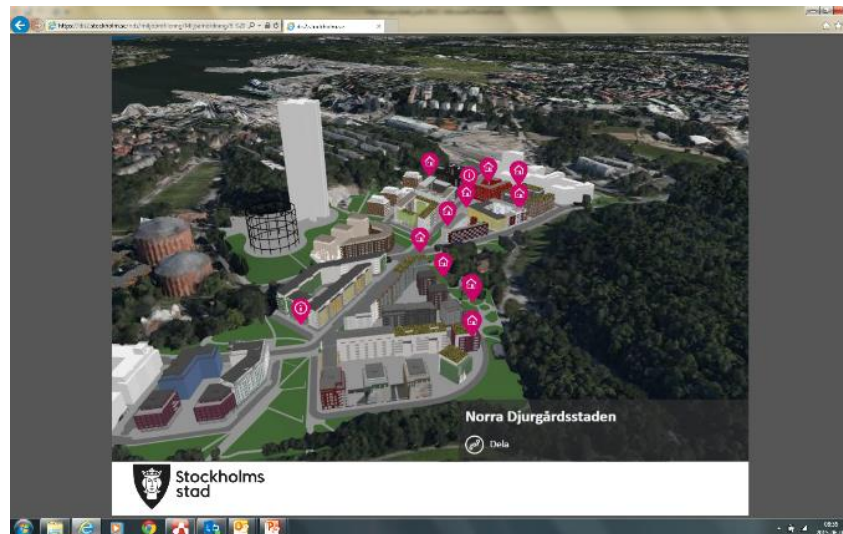


# Technical innovations

Tools and multi-functionality



# Technical innovations






# Technical innovations

## PlusEnergy building competition



Technical innovations

# спасибо

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