

City of **Copenhagen**

Former Lord Mayor Ritt Bjerregaard



Global Challenges
COPENHAGEN
SOLUTIONS



Copenhagen
Carbon Neutral
by 2025

Carbon **Neutral** by 2025

- » December 2008: COP-15 in Copenhagen
- » Political stalemate
- » Cities act!

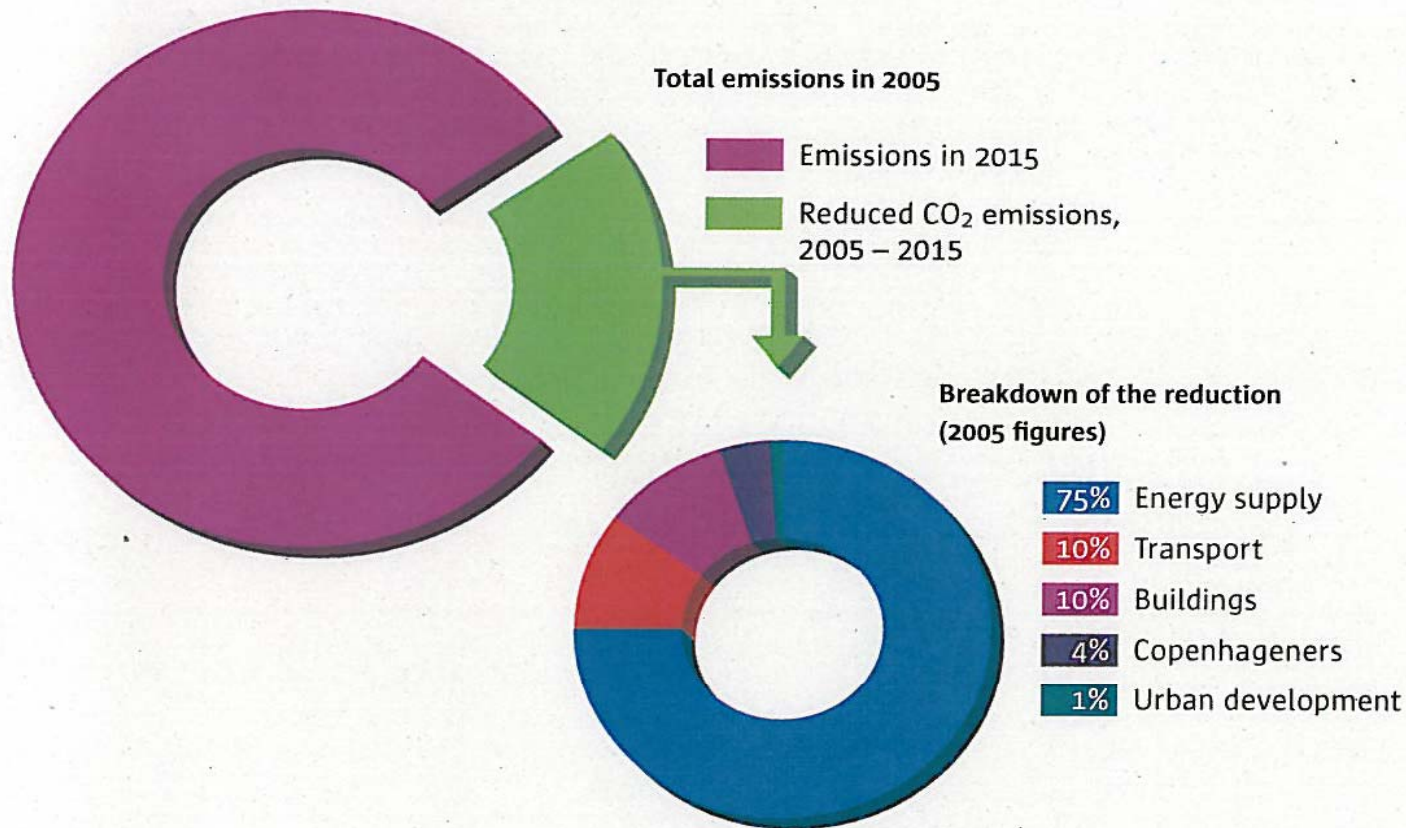
- » Population increase
- » Growth stalemate
- » Public support

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Stage 1: 20 % CO₂ reduction by 2015

DISTRIBUTION OF THE TOTAL CO₂ REDUCTION, 2005 - 2015



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75 % from **energy** supply

- » **Windmills** supply most of the reduction
- » Reduction potential from wind:
 - » 232,000 tonnes of carbon annually by 2015
 - » 650,000 tonnes annually by 2025

- » Excess energy?
 - Electric vehicles
 - Hydrogen
 - District heating / cooling
 - Export



10 % from **transport**



Worlds best *bicycle* city!

- » 37% of the people going to and from work in Copenhagen use bicycles as means of transportation
- » We work hard to ensure that this figure rises to 50%

Integrated public transport

- » Public transport is a priority
- » More metro (subway)

Electric and hydrogen vehicles

- » 85% of municipal vehicles running on electricity by 2015
- » Infrastructure for electric and hydrogen vehicles



10 % from **buildings**

- » Retrofitting municipal buildings means substantial operational savings
- » Retrofitting private building is big buissness
- » Considering retrofitting opportunities as an integrated part of all major projects



District heating and cooling

Don't waste
your waste!

District cooling (new)

- » 70 % reduction of CO2 emissions
- » 80 % reduction of electricity consumption

District heating

- » 98 % of Copenhagen is connected to the district heating network
- » 49% of district heating comes from **waste incineration**

Waste incineration

- » 94% energy efficiency when generating heat and power
- » 1.8 % of waste to landfill



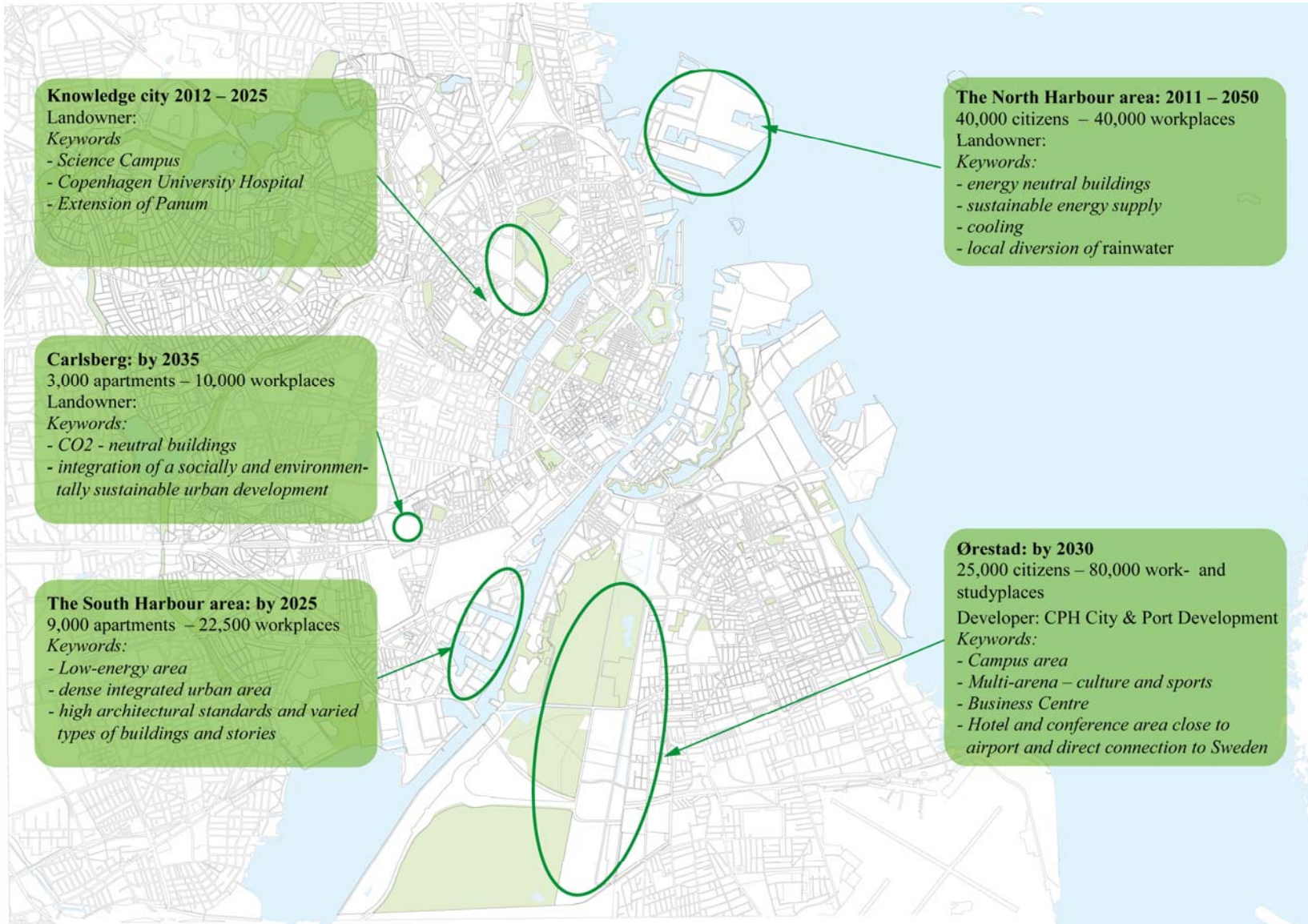
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Investments in **new green** urban development

- we test new green solutions



Sustainable energy in the **North Harbour**

- » A brand new city area
- » Integrated energy system based on sustainable energy sources
- » A carbon neutral city area
- » Exporter of sustainable energy and energy solutions
- » Copenhagen can learn from Japan and others



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Thank you for your attention !

City of Copenhagen: www.kk.dk/greengrowth

