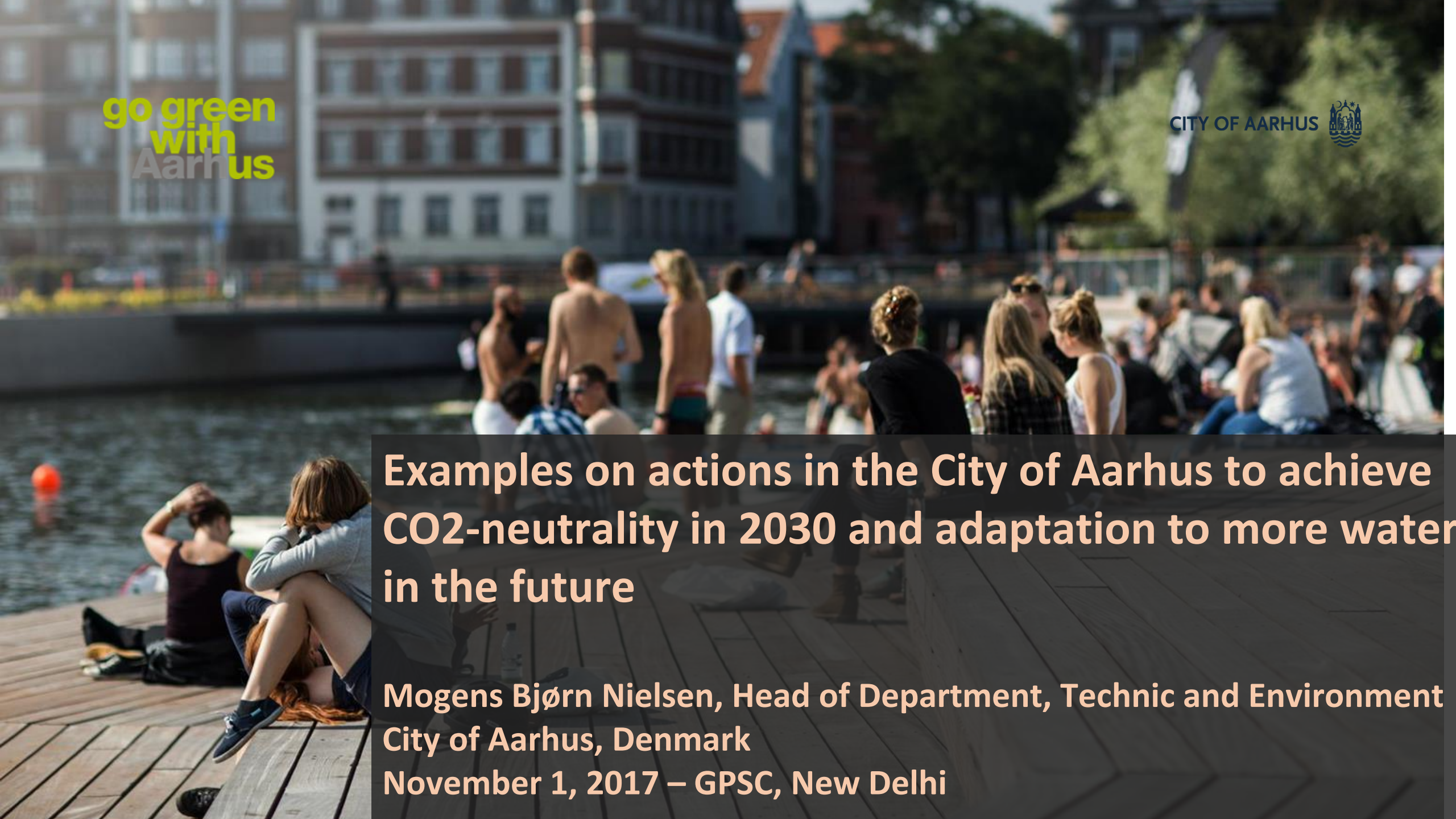
CITY OF AARHUS

Go green with Aarhus



Examples on actions in the City of Aarhus to achieve CO2-neutrality in 2030 and adaptation to more water in the future

Mogens Bjørn Nielsen, Head of Department, Technic and Environment
City of Aarhus, Denmark
November 1, 2017 – GPSC, New Delhi

CITY OF AARHUS

Green, Blue and Smart city: SOCIAL AND ECONOMIC BENEFITS

Aarhus
Danish for progress


CITY OF AARHUS

More light with less energy

Energy-renovation of street lighting is a breakeven investment

Aarhus has within the last two years replaced 29,000 mercury-filled street lights. The existing lights are becoming too expensive to run and are replaced by LED fittings that will save up to 35 per cent of total electricity consumption for street lighting.

This is a part of Aarhus' vision to be CO_2-neutral by 2030.

Investment in new lights pays for itself, as they will have repaid the investment within 18 years.

Energy renovation of buildings

owned by the City of Aarhus gives major savings: 30 % reduction in CO2 and 25 % in energy savings

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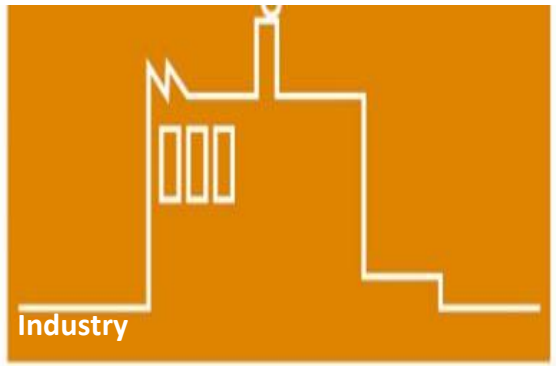
Climate strategy



Transportation

Technology change

Shifting the means of transportation

Reduce transport and energy demand

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Cleaning our waste water produces energy

The Wastewater Treatment Plants in the City of Aarhus produces 50 percent more electricity than they need and 2.5 GW of heat to our cold winter

In 2015, the Marselisborg Waste Water Treatment Plant in Aarhus had a total energy production of 9,628 MWh/ year and an energy consumption of 6,311 MWh/year, equivalent to a net energy production of 153 percent. Most of the installed technologies have a payback time of less than 5 years.

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Water is a resource – not a problem

Solutions on climate adaptation can be used to **build a sustainable city with attractive surroundings** for our citizens and tourists.

Time and space for the water, working with climate adaptation based on the motto: **'More water – new opportunities'**

See climate adaptation as a **precondition for continued growth** in the City of Aarhus

Create synergies and added value by choosing climate adaptation solutions with multiple functions.

Time and space for water

- Water storage outside urban areas
- Reduction of nutrient load to Aarhus Bay
- Biodiversity - animal and plant habitats
- More recreational activities

Årslev Engsø

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go green with Aarhus

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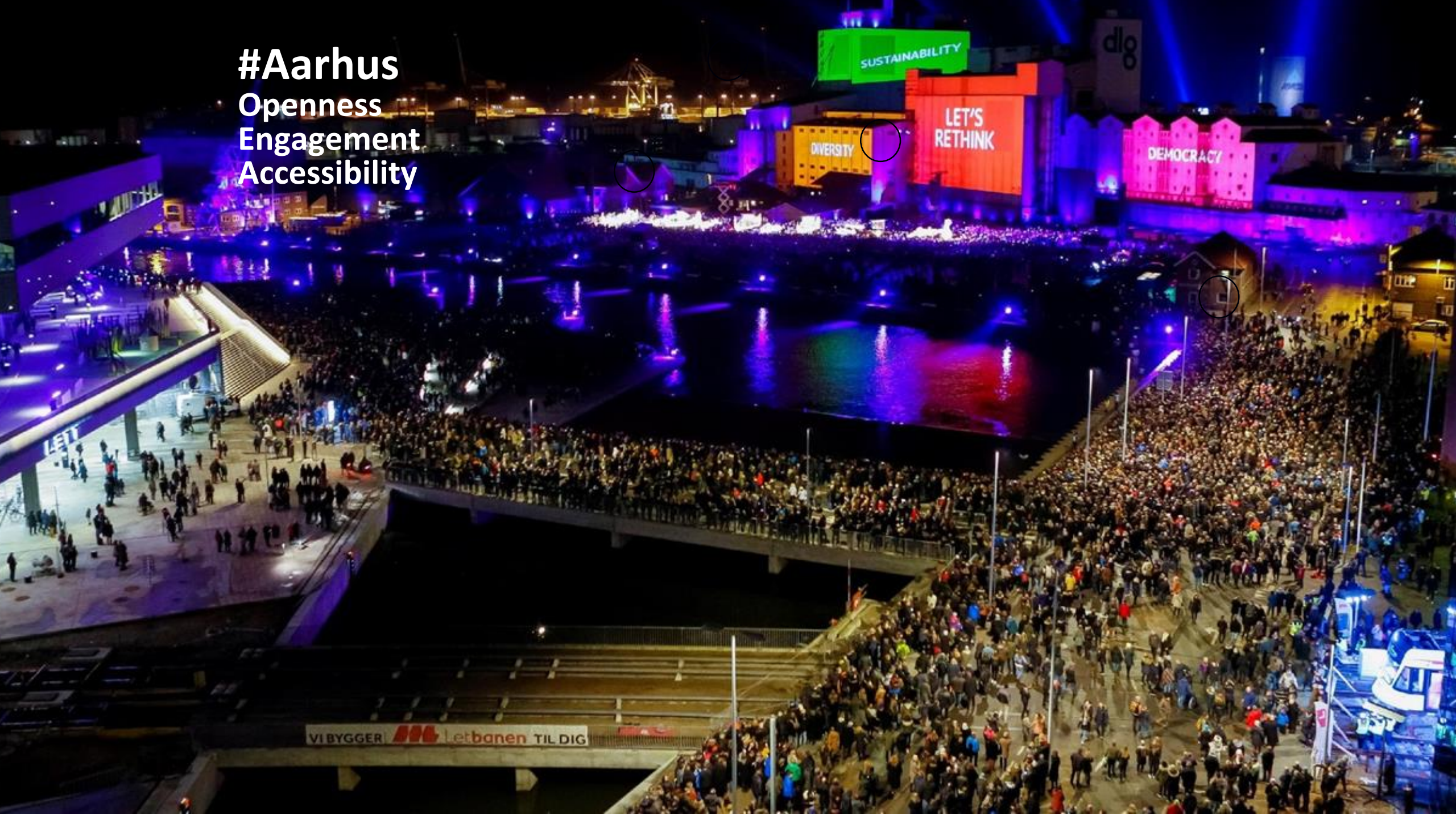
Local commitment & growth

Involvement and co-creation

Promotion of green growth

Visible green transition (know-how & show-how in Aarhus)


#Aarhus
Openness
Engagement
Accessibility
SUSTAINABILITY
DIVERSITY
LET'S RETHINK
DEMOCRACY
VI BYGGER Letbanen TIL DIG

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