Welcome to State of Green

Presenter:

Gry Klitmose Holm, Senior Project Manager, State of Green



Agenda

08:30 – 09:00 Welcome and visite to House of Gi

09:50 – 10:00 Short break

10:00 – 10:55 Municipality of Copenhagen, by Mäelle Caussarieu

10.55 – 11.00 Group photo

11:00 Thank you!

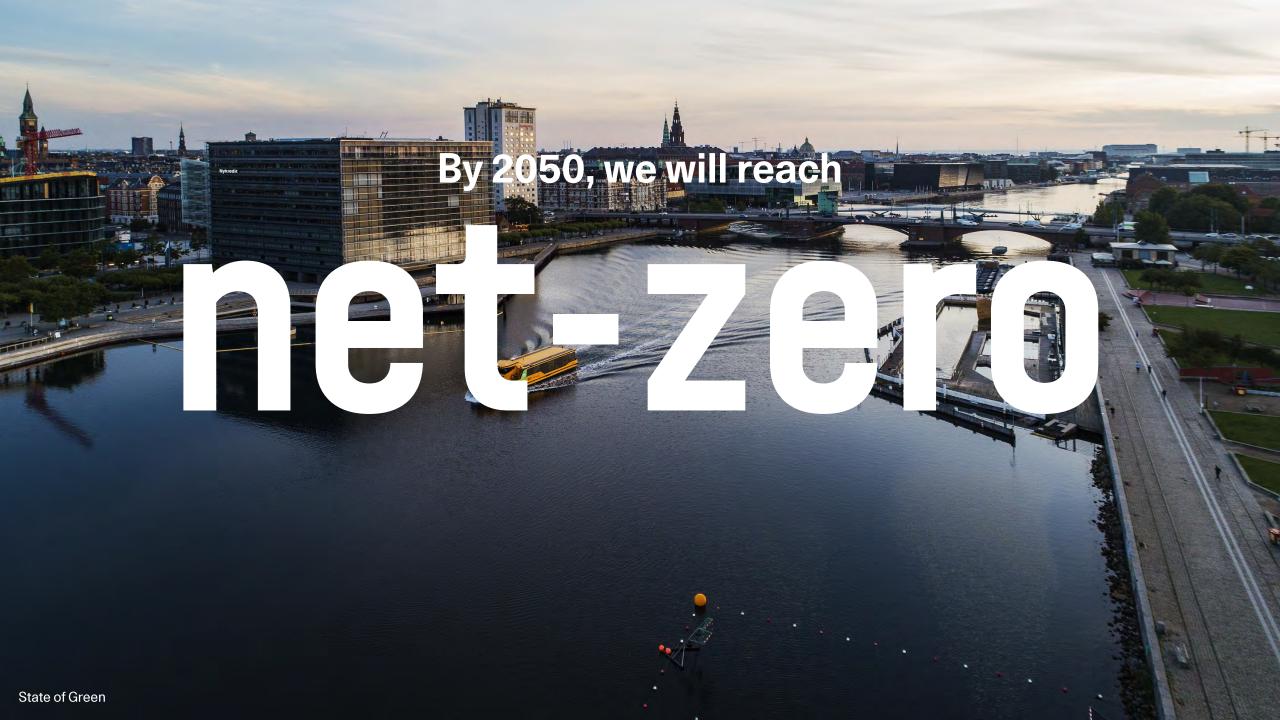
Denmark is a small country. We emit 0.1% of the global greenhouse gases

Denmark 0.1%

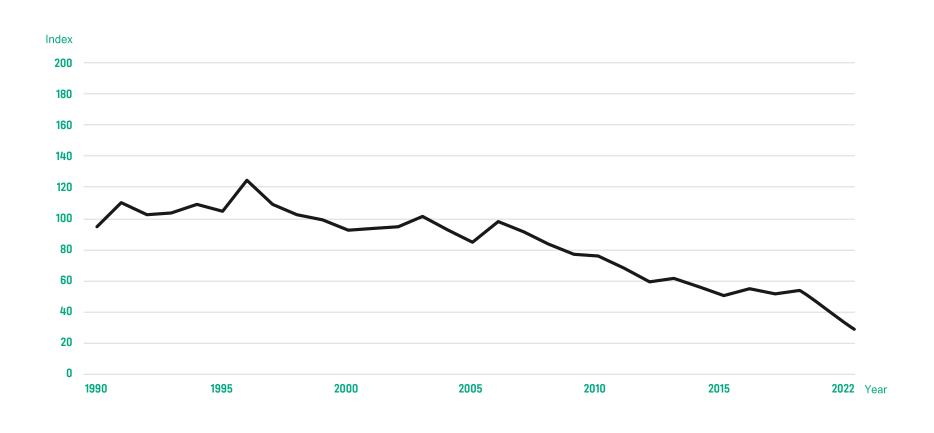
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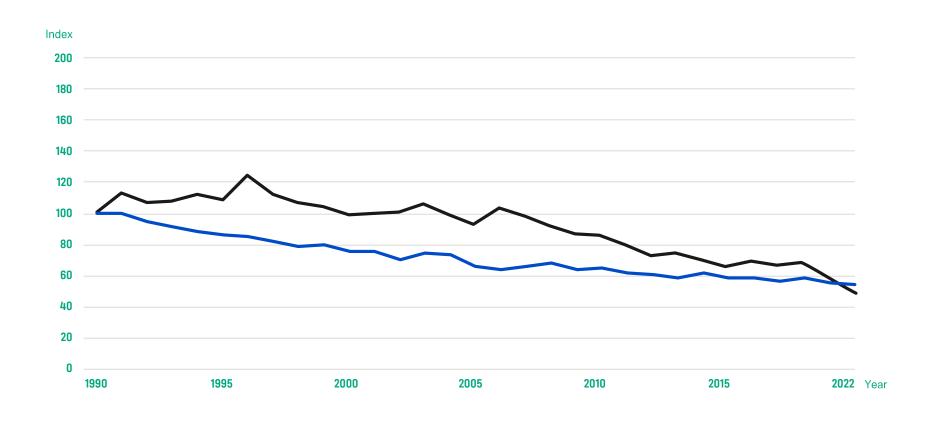


Since 1990, we have reduced greenhouse gas emissions by 45%





We have reduced our water consumption by 41%

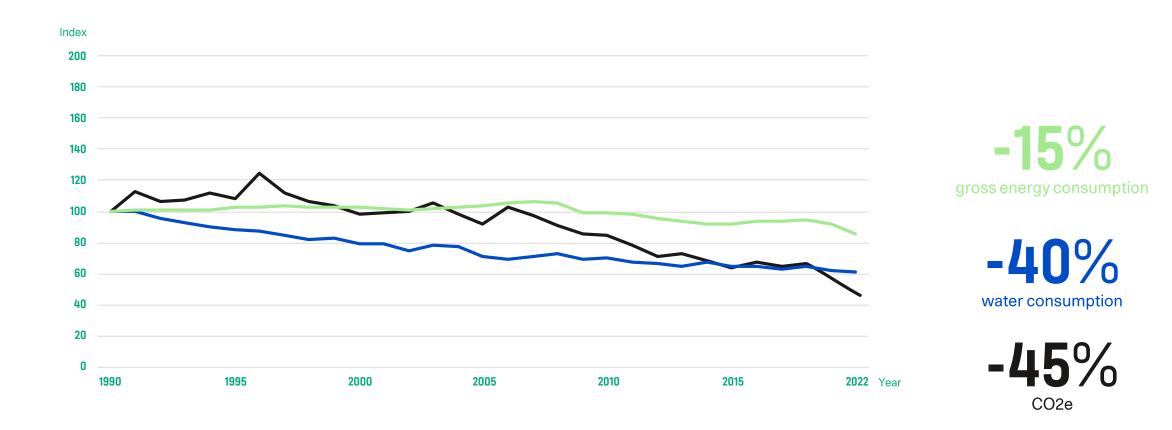




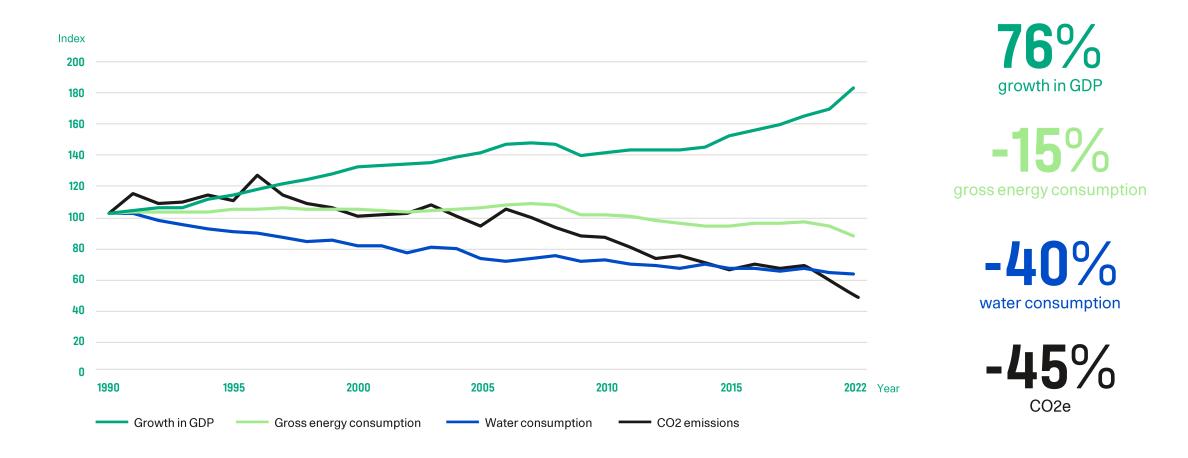


CO2e

We have reduced our energy consumption by 15%

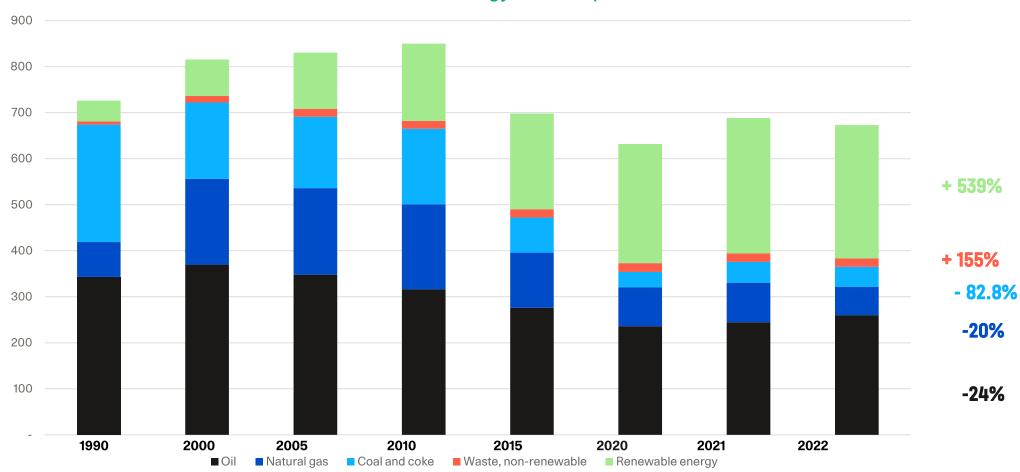


We have increased GDP by 76%

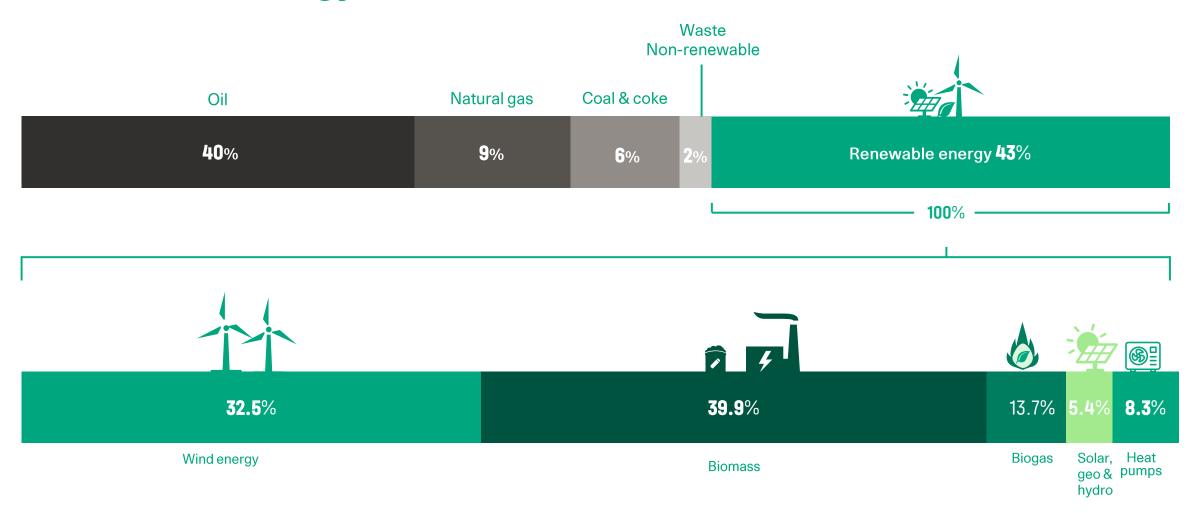


Denmark's energy mix over time





Denmark's energy mix 2022



Denmark has come far already. But we must go further. Faster

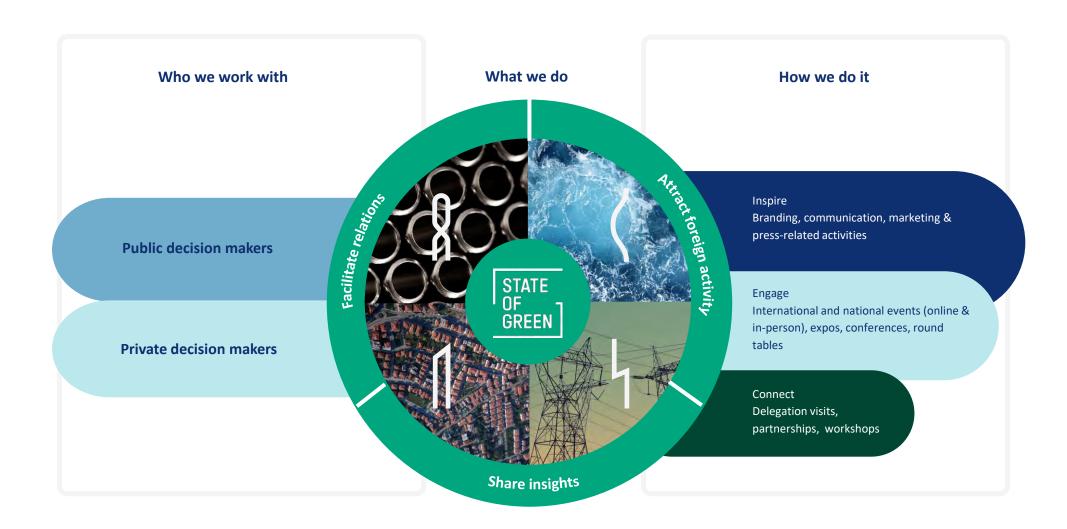


STATE OF GREEN

Like many countries, Denmark was once entirely dependent on imported fossil fuels. Today, many consider Denmark a global green frontrunner. We want to share our experiences and help others towards a more sustainable society.



How we create value



Bridging the green gap between the public and private sector

We are the only one-point entry to both the public and the private sector, gathering state-of-the-art green knowledge and solutions from Denmark.



Public-private partnership

Public Private

Government









Business organisations







Strategic partners











Associate partners









PensionDanmark





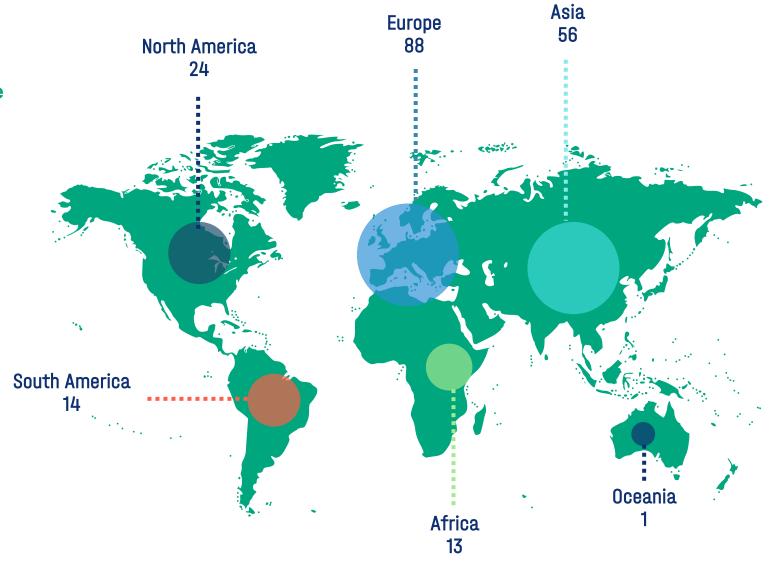




Our global impact

Every year, State of Green welcomes hundreds of delegations from all over the world at House of Green and engages international decision makers through online and in-person events.

In 2023, State of Green welcomed more than 175 delegations at House of Green.



Denmark's green transition



We haven't always been this green

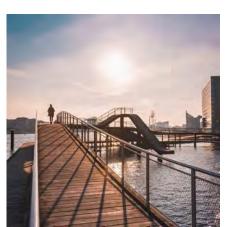




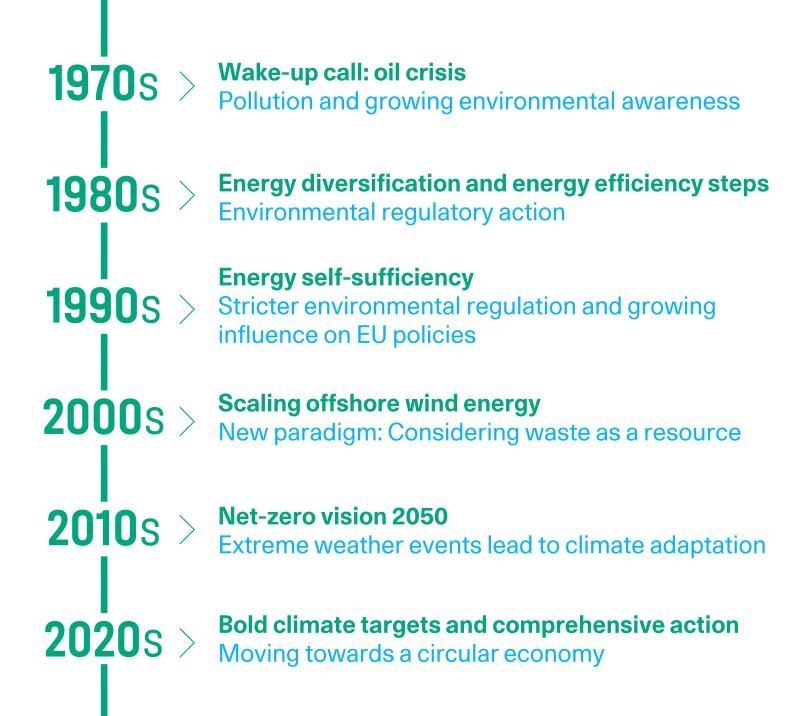














> Environment

1971 World's first ministry of environment is established

1973 First Environmental Protection Act established

1970s Denmark starts to combat air pollution

1970s Concern about increased amount and complexity of waste disposal

> **Energy**

1970s 99% dependent on imported energy

- Denmark is hit hard by oil crisis

1976 Denmark's first national energy action plan

1978 First major wind turbine in Denmark generates

electricity



Environment

- 1987 First national action plan on water environment (stricter regulation on wastewater treatment)
- 1987 Landfill tax introduced to divert waste towards energy recovery in incineration plants

Energy

- 1985 Denmark's parliament: No to nuclear power yes to expansion of wind energy capacity and energy efficiency
- 1987 Installation of Europe's largest onshore windfarm at the time



> Environment

1990 Clean air: catalytic converters become mandatory in cars
 1993 Systematic collection of waste data
 1993 Tax on water and wastewater, mandatory water metres and economic incentives to reduce water loss
 1997 Ban on landfilling of all combustible waste

> Energy

199X CO2 taxes were introduced on certain energy products – to improve energy efficiency
 1991 Installation of the world's first offshore windfarm
 1997 Denmark self-sufficient in energy supply
 1997 No new coal plants can be built in Denmark



Environment

2000 National groundwater mapping programme initiated – first country to do so

2002 First harbour bath reopens in Copenhagen after modernisation of sewerage system

2008 Water sector reform act: Water utilities become municipally owned public limited companies

2000s New paradigm: Considering waste as a resource

> Energy

2000 Installation of Middelgrunden offshore wind farm off Copenhagen's coast

2002 Horns Rev 1 and Horns Rev 2 offshore wind

-08 farms installed in the North Sea

2008 Energy agreement to increase share of renewables



Environment

- 2013 Mandatory climate change adaptation plans for all municipalities
- 2013 National waste and circular economy strategies: Recycle more, incinerate less, prevent waste
- **2010s** Energy and resource recovery from wastewater

Energy

- DK's first energy agreement with broad political support: DK independent of fossil fuels by 2050
- 2012 Copenhagen aims to be the world's first carbonneutral capital city by 2025
- **2018** Energy agreement updated to enable RE to fully cover the Danes' electricity consumption by 2030
- **2019** Climate the most important topic in national elections



> Environment

- 2020 Action plan for climate neutral water and waste sectors by 2030
- New waste management plan: all Danes most sort their waste into ten fractions at home
- 2021 94/98 Danish municipalities are developing climate action plans

Energy

- 2020 Denmark's first legally binding climate act70% reduction by 2030
- **2020** Plan to establish the world's first energy islands
- **2020** Agreement to end new oil and gas exploration in the Danish North Sea



Financing



Broad political agreements



Public-private partnerships



Just transition



Societal collaboration



Research and development



1970s

2020s

We have specialised our knowledge and solutions

Powering our future with sustainable energy



- Energy efficiency
- Clean energy sources
- District energy
- Sustainable transport
- Power-to-X / green hydrogen
- Smart energy systems

Ensuring water security for a growing world



- Climate change adaptation
- Water resource management
- Water supply
- Water in industries
- Wastewater management
- Smart water solutions

Creating smart, green and liveable cities



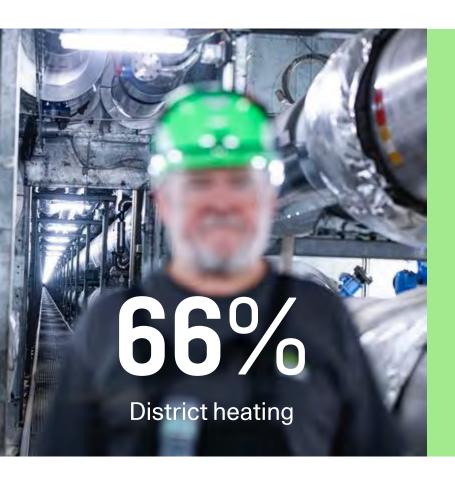
- Clean air
- Smart cities
- Urban planning
- Urban mobility

Moving towards a circular economy



- Waste
- Building circular
- Circular business models

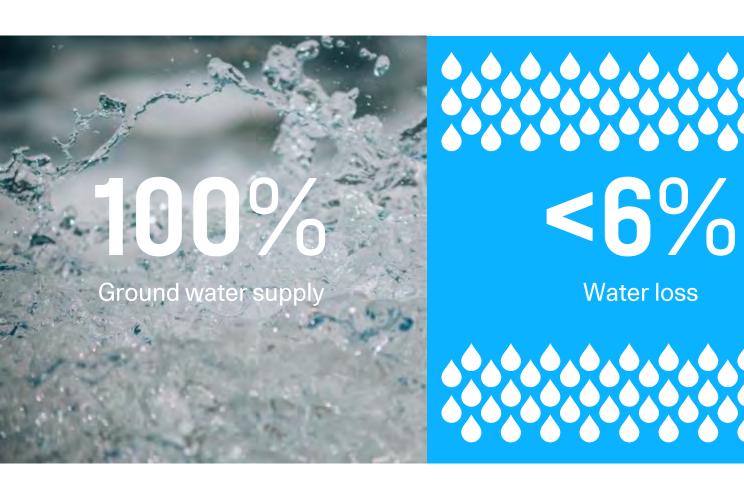
Sustainable energy







Water





Liveable cities



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90%

of all Danes own a bicycle



Circular economy



9/10

bottles and cans are returned and recycled





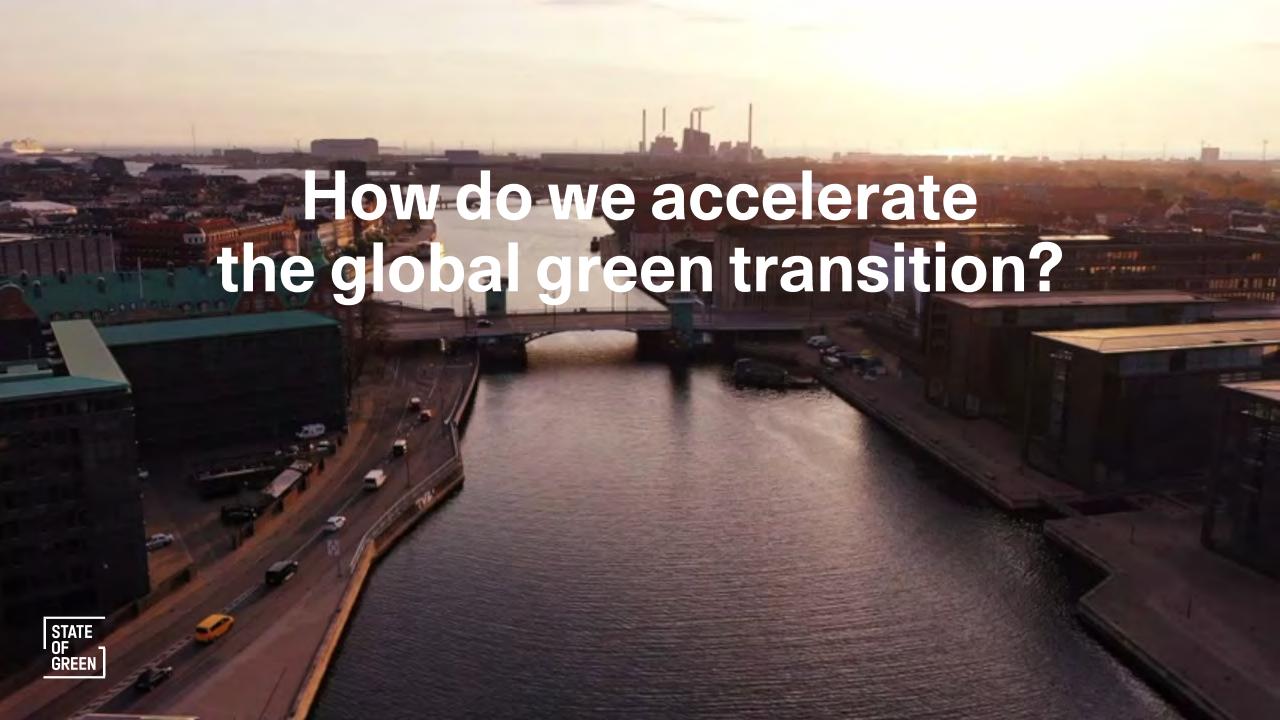
Green business is good business (2022)

of total Danish exports come from energy technologies alone

76,000 green jobs

3.4% of GDP

33 billion euro in turnover



Denmark has significant global impact

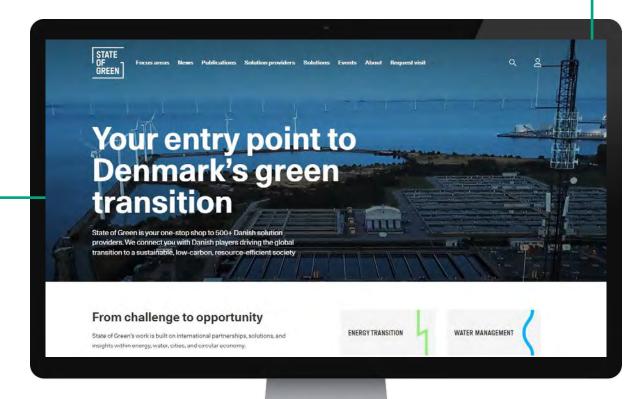




Your one-point entry to Danish green solutions

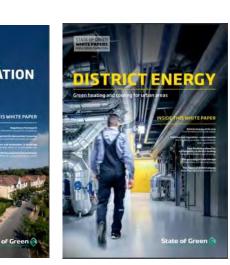
+600 solution providers







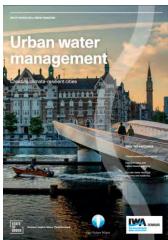
White papers for a green transition











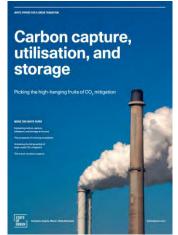


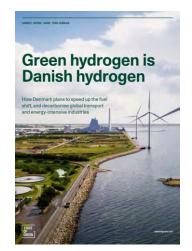




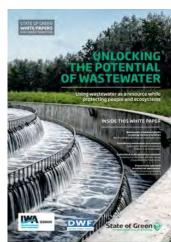














Sound of Green

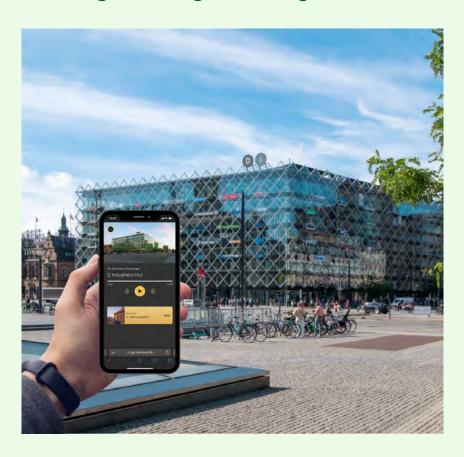
Interested in learning more Denmark's green transition?





Green Walk: Discover Copenhagen's green buildings and Denmark's climate ambitions

While in Copenhagen, seize the opportunity to do some green sightseeing with State of Green.



DISCOVER

The interactive audiowalk 'Green Walk'



'Green Walk' takes you around inner Copenhagen presenting energy efficient buildings and the climate ambitions driving the Danish green transition.



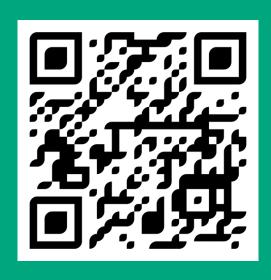
Listen to the audiowalk and try the 'Green Walk'

Thank you! Connect. Inspire. Share. Think Denmark





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Scan the QR code and let us know how we did

