Welcome to State of Green

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Green Hydrogen, Bioenergy, and Carbon Capture



Agenda

- About State of Green
- Denmark's green transition
- Lessons learned and business gained
- Short introduction to green hydrogen in a Danish context

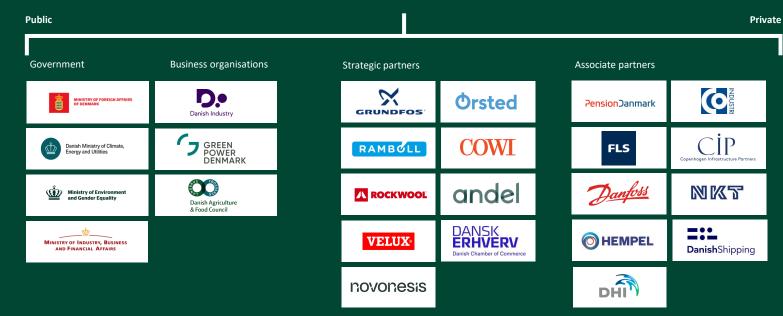


Public-private partnership

Public Private



Public-private partnership





HM King Frederik of Denmark

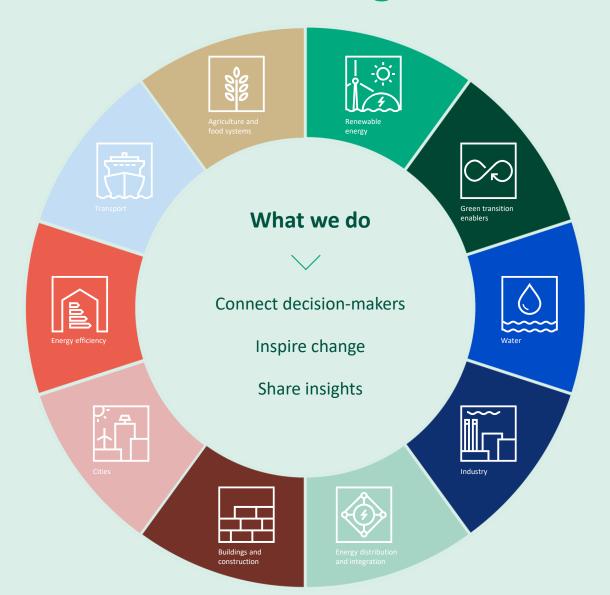
We have specialised our knowledge and solutions

Who we work with



Public decision-makers

Private decision-makers



How we do it



Inspire

Branding, communication, marketing & press-related activities

Engage

International and national (online & in-person), expos, conferences, round table

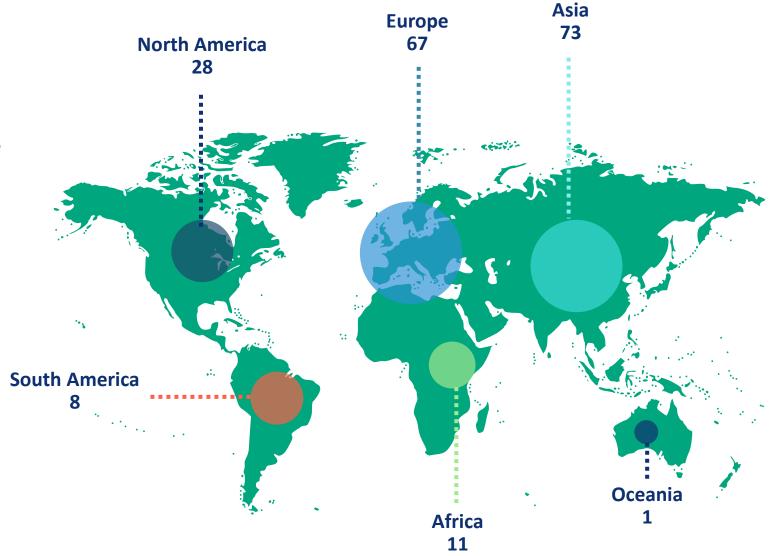
Connect

Delegation visits, partnerships, workshops

State of Green's role

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 2024, State of Green welcomed more than 182 delegations at House of Green.

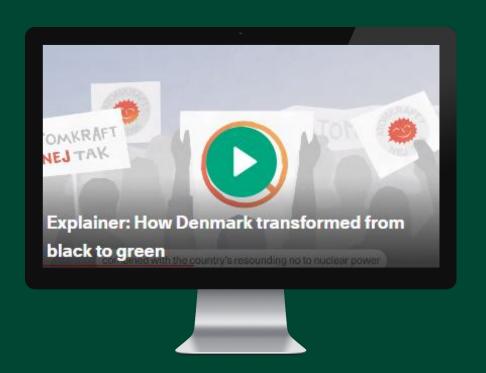




We haven't always been this green

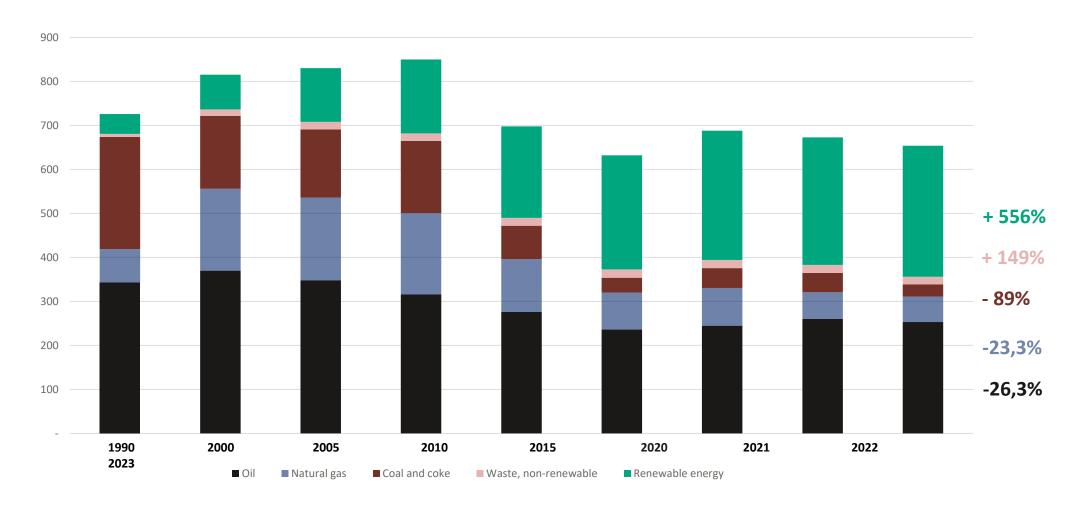


Watch the <u>video</u> explaining how Denmark transformed from black to green

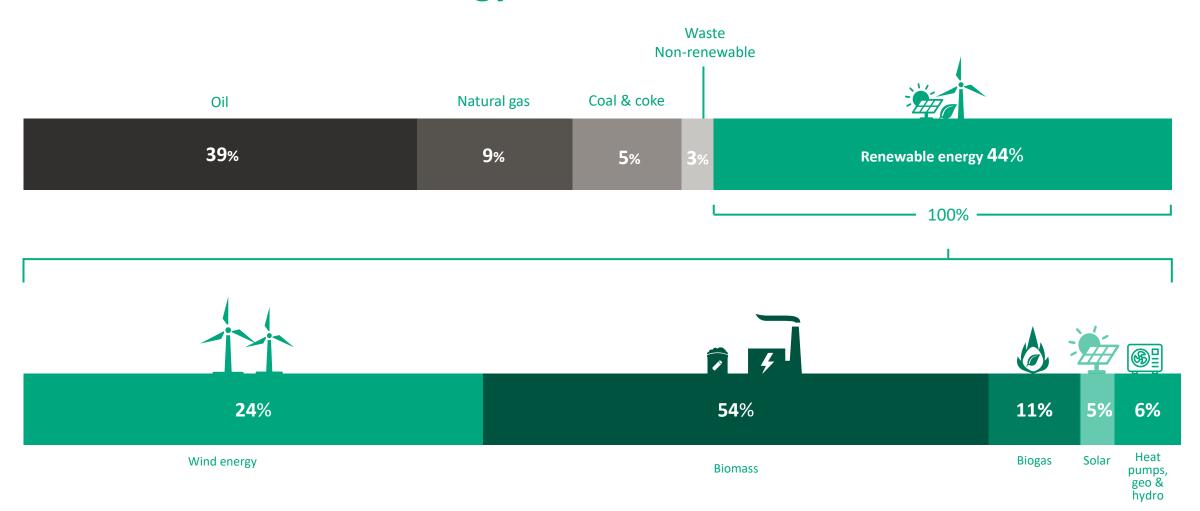


And our energy mix is becoming more green

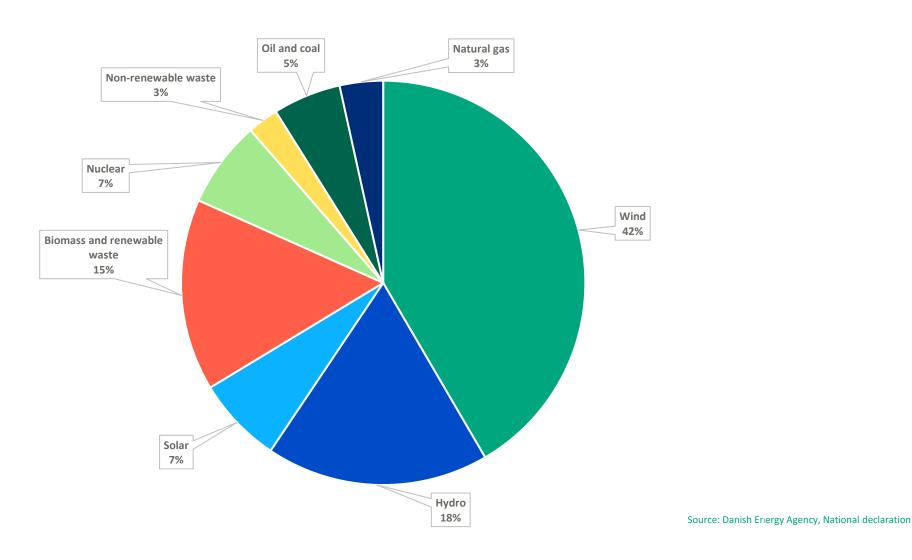
Gross energy consumption* (PJ)



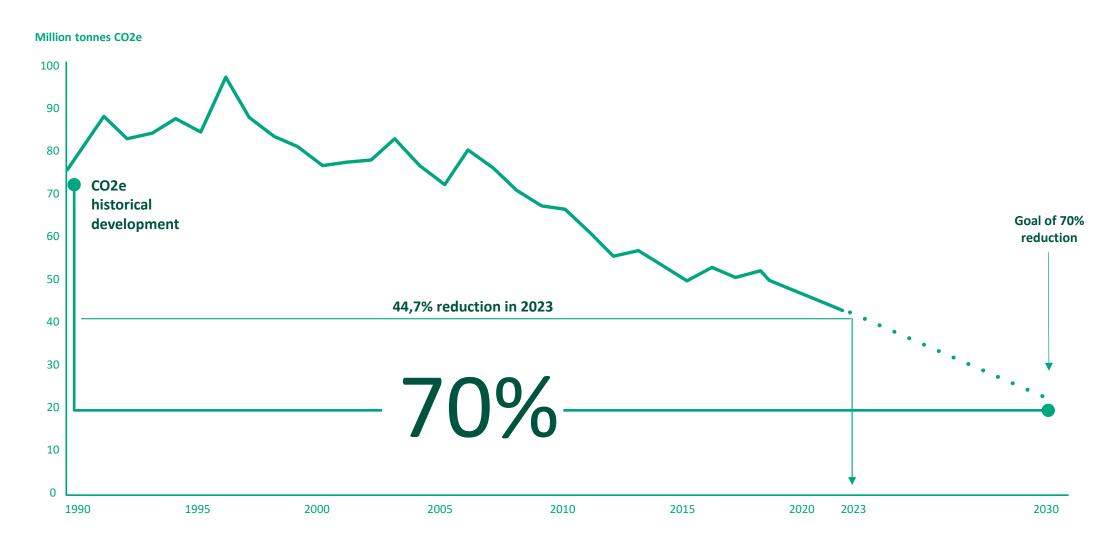
A look into Denmark's energy mix in 2023 (most recent data)



The average kilowatt hour in Denmark (2023)



Denmark has come far already. But we still need to go further.





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

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Green transition enablers

1970s

Financing



Broad political agreements



Public-private partnerships



Just transition

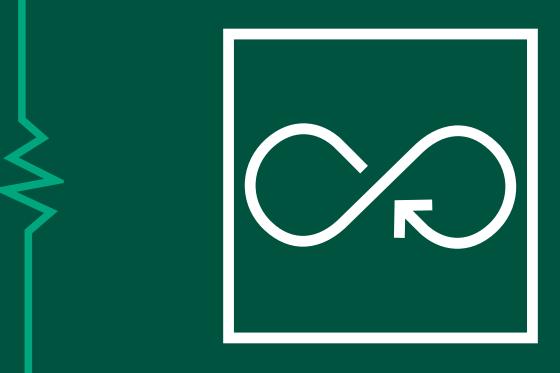


Societal collaboration



Research and development





2020s

Green business is good business (2023)

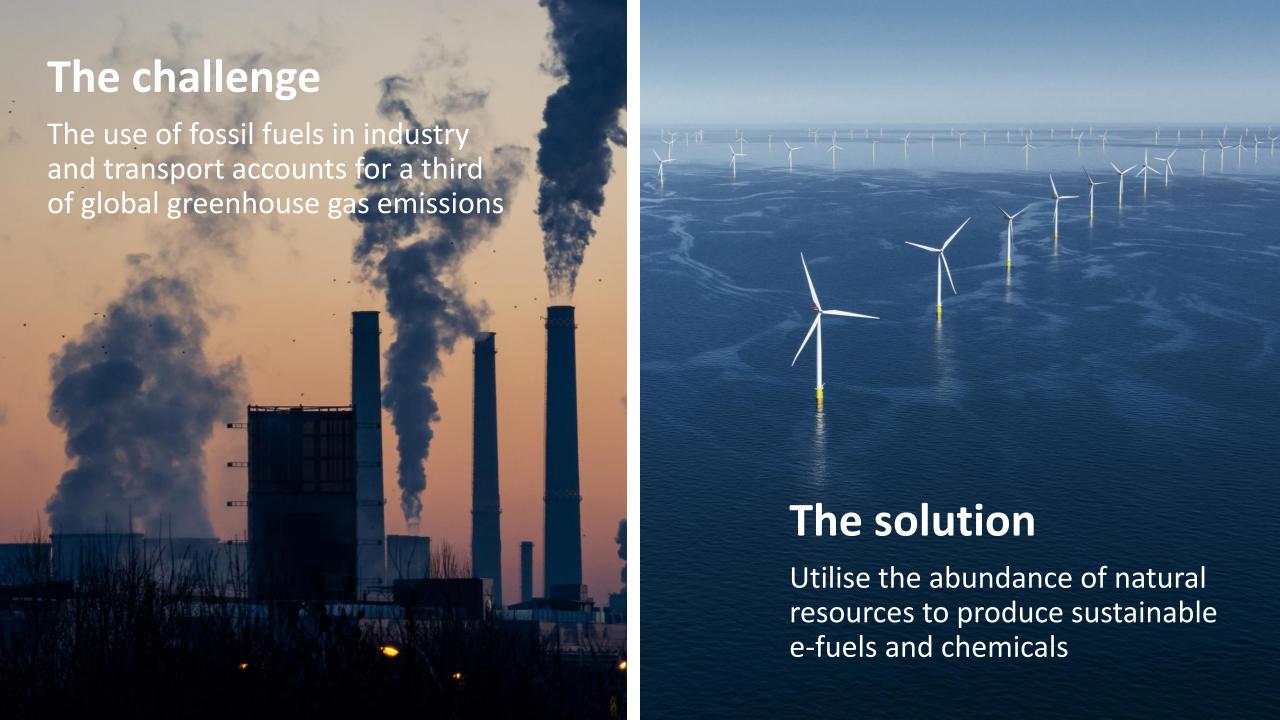
of total Danish exports come from green technologies alone

+100,000 green jobs

5.5% of GDP

41 billion

euro in turnover

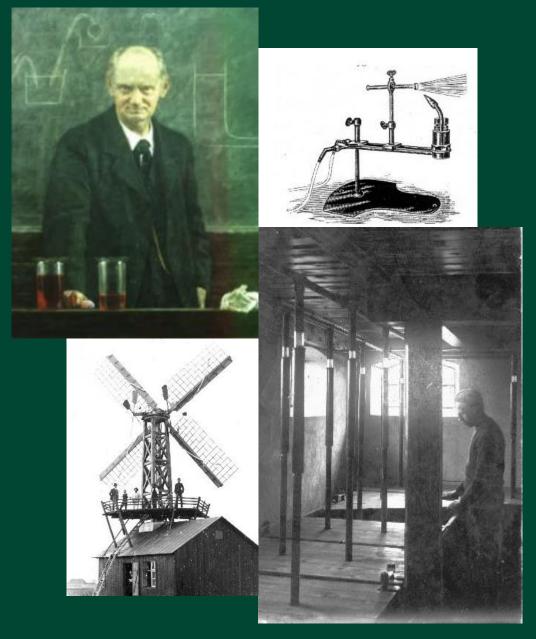




Old technology given new life

Hydrogen used as an industry feedstock in the **post-industrial** world

In 1894, **Danish inventor** Poul la Cour created his own electrolyser utilising wind as the power source





Denmark sees great Power-to-X potential

RENEWABLE ENERGY EXPORTER



Vast wind resources and cost-effective areas for offshore wind development

EXTENSIVE INFRASTRUCTURE



Low power prices, 99.99% energy availability, and extensive, stable infrastructure

SECTOR INTEGRATION



Sustainable carbon from biogas plants and access to storage options and district heating system

STRONG R&D HUB



Strong base for R&D with projects already proving the suitability for green hydrogen production

BROAD INDUSTRY COLLABORATION



Global players lead decarbonisation while using the strengths of public-private partnerships

LONG-TERM COMMITMENT



History of stable political frameworks and long-term commitments





Your one-point entry to Danish green solutions



STATE OF GREEN Your entry point to Denmark's green transition State of Green is your one-stop shop to 500+ Danish solution providers. We connect you with Danish players driving the global transition to a sustainable, low-carbon, resource-efficient society Focus areas Explore Danish expertise and solutions across key areas for global green transition

+1,700 ——sustainable solutions



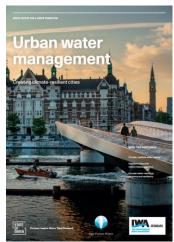
White papers for a green transition











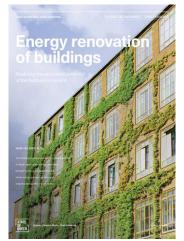




















Thank you! Connect. Inspire. Share. Think Denmark



Scan the QR code and let us know how we did

