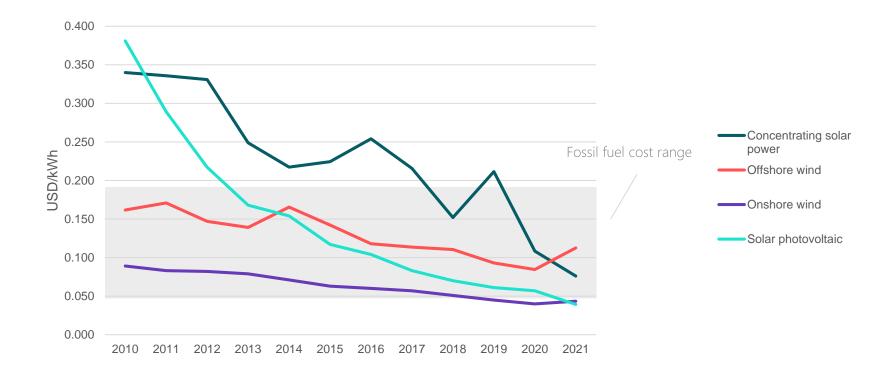


DANISH ENERGY PARTNERSHIPS

TODAY, RENEWABLES ARE THE **LOWEST-COST SOURCE** OF NEW POWER GENERATION IN MOST PARTS OF THE WORLD

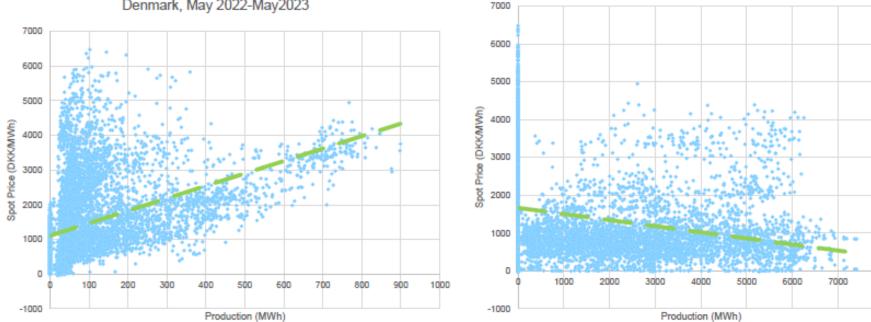




IN FACT, MORE WIND LOWERS ELECTRICITY PRICES

Wind and Solar based electricity generation versus Spot Price, Denmark, May 2022-May2023

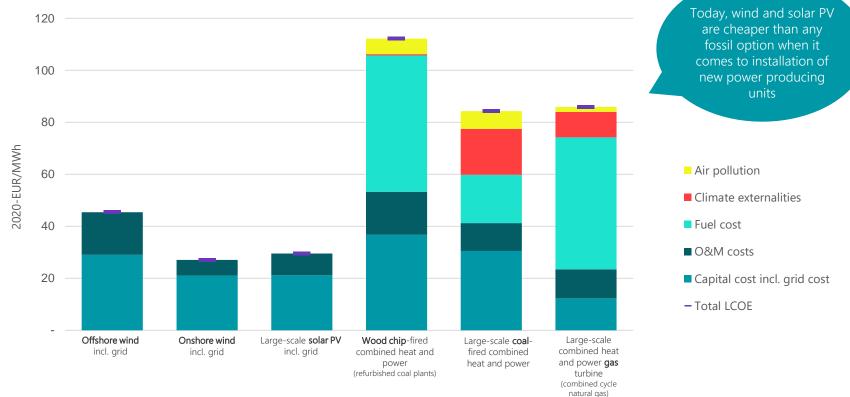
8000



LNG based electricity generation versus spot price, Denmark, May 2022-May2023



LEVELISED COST OF ELECTRICITY (LCOE)







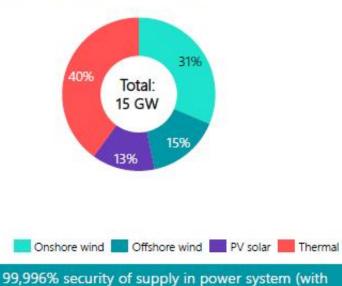
THE DANISH EXPERIENCE

DENMARK AND OUR ENERGY MIX

Denmark: Modest size, big ambitions



Population* Denmark: 5,9m Korea: 51,63m Denmark's Energy Mix Per cent of total installed capacity, 2023



67% renewables, first half 2023). 7 GW

interconnectors. Peak demand of 7 GW

Danish Energy Agency



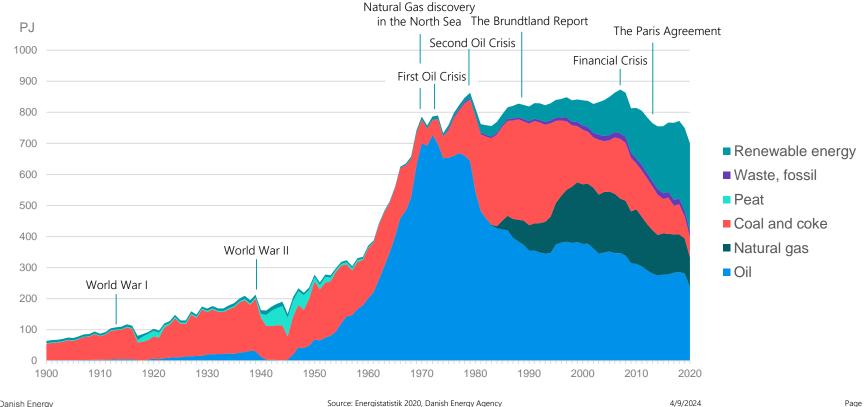
In the 1970s, the oil crisis forced us to change our energy path...



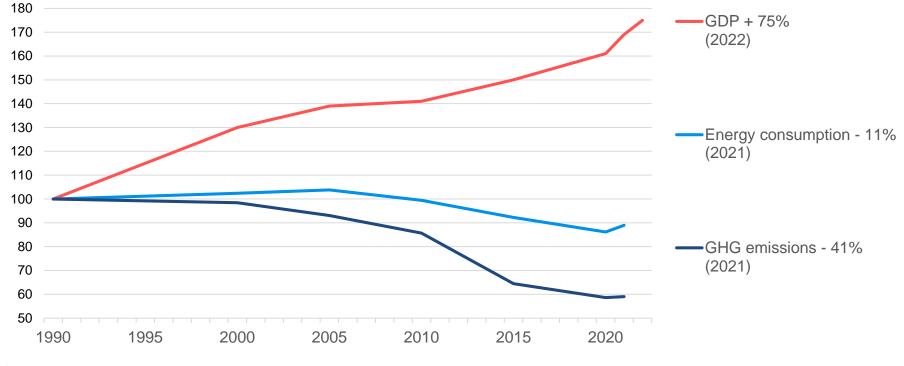
GROSS ENERGY DEMAND OF DENMARK

100 years of energy consumption

Agency



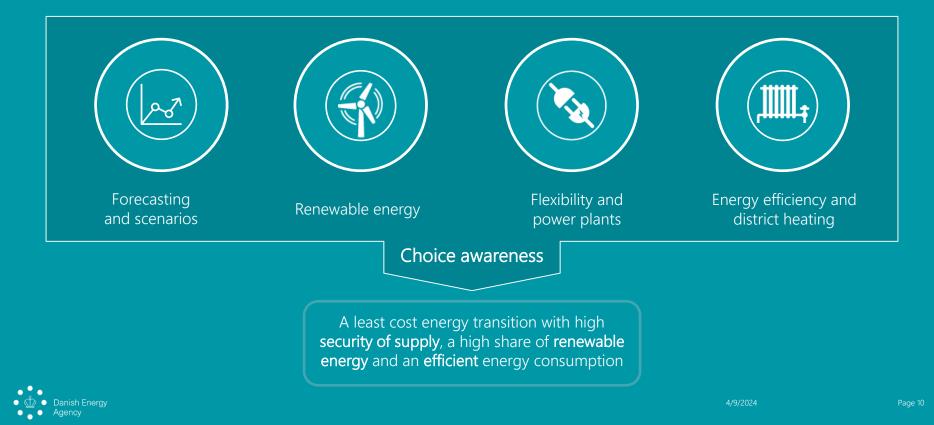
SINCE 1990, THE DANISH ECONOMY HAS GROWN BY 75 PER CENT

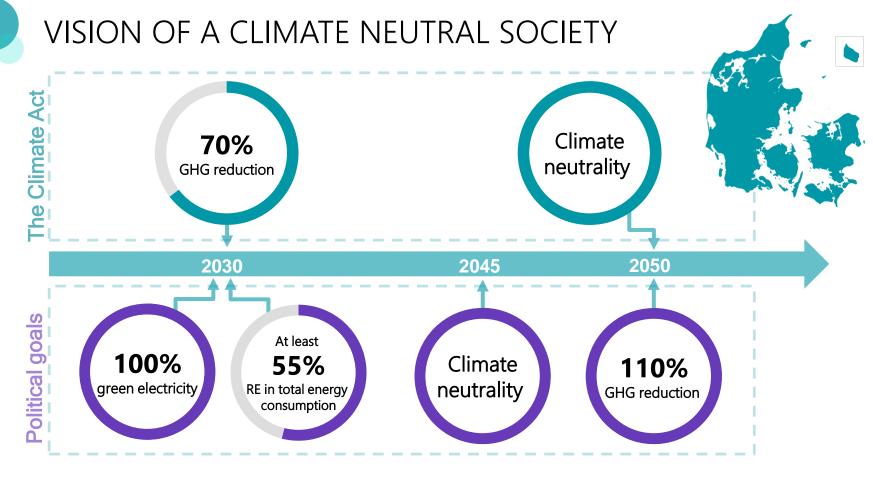




Source: Danish Energy Agency

DANISH CORE COMPETENCIES





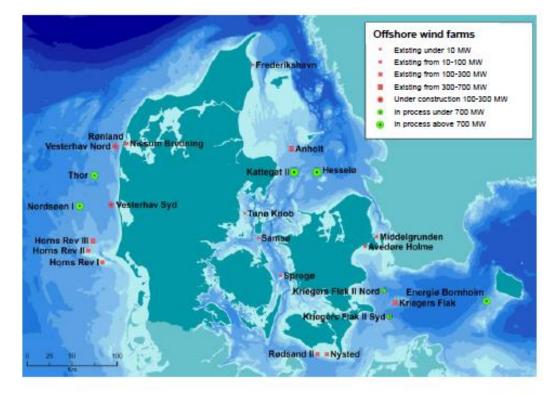
Danish Energy

Agency



DANISH OFFSHORE WIND HAS PROVEN ITS WORTH

- Worlds' first offshore wind farm (1991)
- Ideal seabed conditions and water depth for bottom-fixed foundations
- Best sites boast >10 m/s wind speed
- 7-9 years from political agreement to fully commissioned
- 15 offshore wind farms
- 2.3 GW offshore capacity in operation (2023)
- Latest tender resulted in net revenue to the Danish State (DKK 2,8b, approx. USD 400m)





ENERGY ISLANDS

Green power plants at sea before 2033

Energy Hub WEST First phase: 3GW Long run: 10GW





ABOUT GREEN PARTNERSHIPS

WE COOPERATE WITH 24 PARTNER COUNTRIES

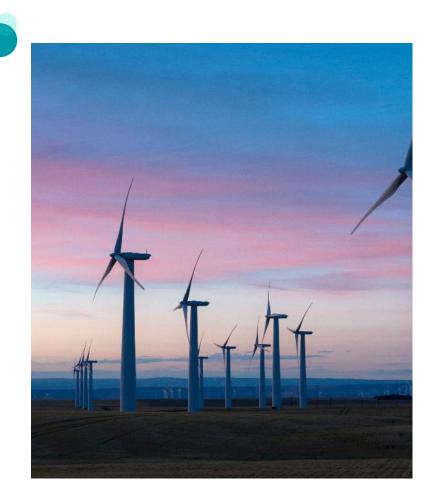




THE DANISH ENERGY PARTNERSHIPS

Through government-to-government cooperation and long-term partnerships, Denmark contributes to:

- Reducing greenhouse gas emissions globally
- Opening and maturing markets for green technology
- Strengthening cooperation with countries of strategic significance





OUR PARTNERS...

... emit **70 %** of the

global CO₂ emissions



... represent ~**61 %** of the world's population

IN DENMARK...





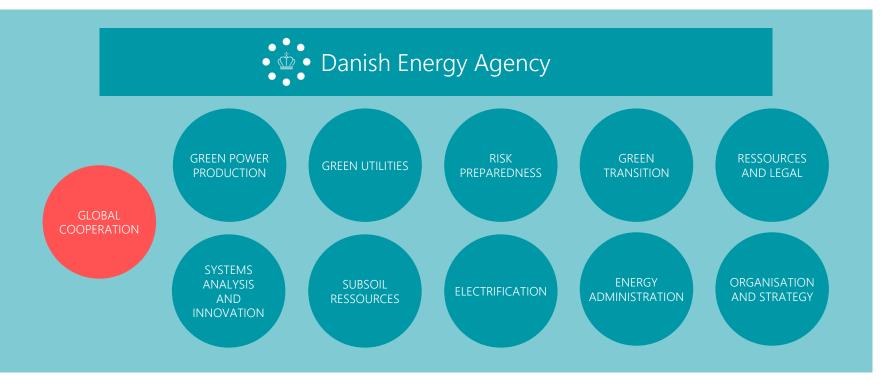
... we emit **0,1 %** of the global CO₂ emissions

... we represent **0,07 %** of the world's population



PART OF THE DANISH ENERGY AGENCY (DEA)

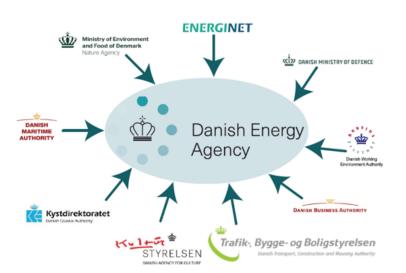
A government agency under the Ministry of Climate, Energy and Utilities





What is the Danish One-Stop-Shop?

The One Stop Shop is an administrative procedure in which the Danish Energy Agency is the authority responsible for the development of offshore wind projects: the DEA coordinates with all relevant authorities to grant the necessary permits.



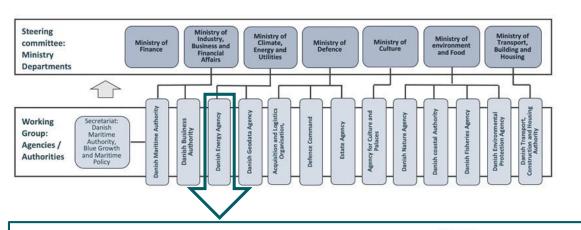
Clear, transparent and smooth consenting process

And why a One-Stop-Shop?

- ➔ Developers: Creating confidence by reducing risks and uncertainties
- → Other authorities: Better coordination and understanding of the projects

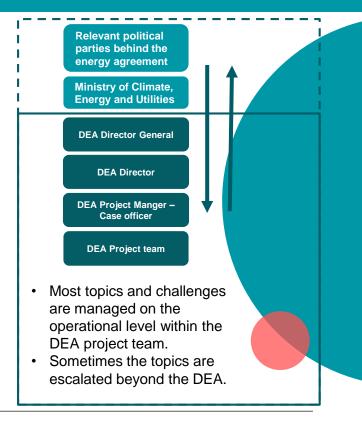
Governance and decision-making

Maritime spatial planning and selection of sites for tender



- In relation to planning and tendering for the development of offshore wind farms the Danish Energy Agency (DEA) is the authority in charge.
- The DEA coordinates with the relevant authorities, which provide input to the DEA on their respective and relevant regulations.









PARTNERSHIP WITH SOUTH KOREA

- South Korea and Denmark are longtime allies sharing 65 years of relations that is ever widening in scope.
- Since 2012, South Korea and Denmark have strengthened partnership through a comprehensive strategic partnership and annual high-level exchanges called Green Growth Alliance.
- With every first step Korea has taken in green leadership, Denmark was strongly present: Global Green Growth Institute (2012), Partnership for Green Growth (2017).





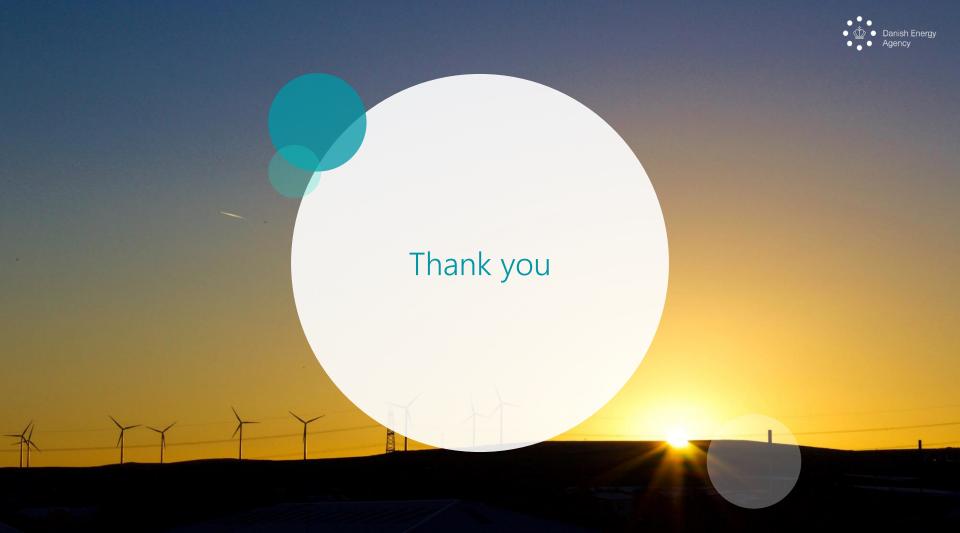


RECENT VISIT BY THE MINISTRY OF CLIMATE, ENERGY AND UTILITIES

- Held a GGA meeting last month when HE Lars Aagaard the Minister for Climate, Energy and Utilities – visited Korea.
- Close to 20 companies were here. One of the main events held during his visit at the Federation of Korean Industries on March 6 was the Korea-Denmark Offshore Wind Business Conference. CIP-LS Cable and Blue Water Shipping-Zodiac Solutions signed commercial MOUs.
- KEPCO and Energinet also formalized their commitment to cooperation.
- Denmark and Korea proudly mark 65 years of diplomatic relations this year a testament to the enduring friendship and mutual respect between our nations.







Questions



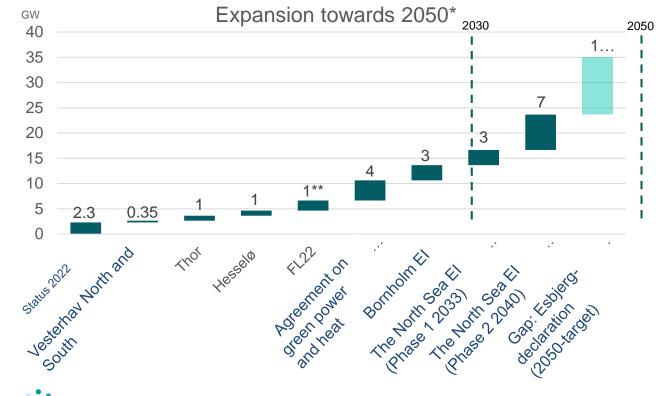


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APPENDIX

Ambitions towards 2030 and 2050

The road to at least 35 gw offshore wind towards 2050



Ambitions for offshore wind capacities

→ 2030 Denmark: appr. 12,9 GW* Esbjerg-declaration: 65 GW

→ 2050 Denmark: at least 35 GW Esbjerg-declaration: 150 GW

* This does not include "open door" projects or potential overplanting capacity.

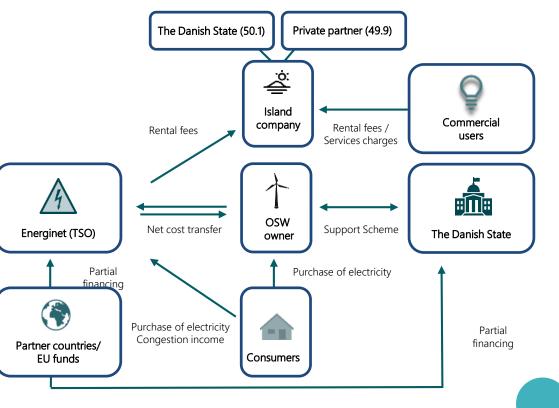
Danish Energy

Agency

** 1 GW has been moved to The Bornholm Energy Island with political agreement of 29th of October 2022.

BUSINESS MODEL FOR THE ENERGY ISLAND CORP.

- Private partner will plan and build the energy island. Public-private partnership will be established when the island is finalized.
- The private partner carries most of the construction risks
- Primary income via leasing of land to state-owned Danish TSO Energinet
- Energinet's cost is expected to be passed on to offshore wind farms connected to the island





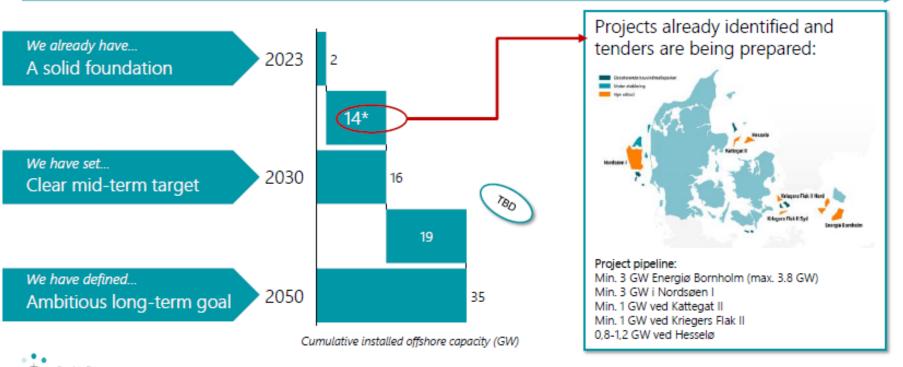
HISTORIC DANISH TENDER RESULTS

(Prices not indexed from year to year)





A visible and firm path to the future





INTERNATIONAL AGREEMENTS FOR THE BUILDOUT OF OSW IN CONNECTION WITH THE ENERGY ISLANDS

Esbjerg declaration

At the North Sea Summit in May 2022, Germany, Belgium, the Netherlands and Denmark signed a joint declaration aiming to deliver at least 65 GW of offshore wind by 2030 and increase capacity to at least 150 GW by 2050 of which Denmark will view towards 35 GW.

The four countries will supply half of the green power from offshore wind that the EU needs in 2050 to achieve its goal of climate neutrality.

Separate declarations were announced regarding interconnection and maximation of the output for the energy islands and the establishment of another energy island.



Baltic Sea agreement

Denmark, Sweden, Poland, Finland, Estonia, Latvia, Lithuania and Germany have 30th August 2022 agreed on a joint ambition of 19.6 GW in 2030.

The Baltic Sea Agreement will allow the countries to strengthen their national and EU independence from Russian fossil fuels through closer cooperation on energy and the development of renewable energy.

Based on the announcement Denmark ambitions is to have 6.3 GW of offshore wind in the region by 2030, and would become the largest offshore wind capacity in the region.



EU-WIDE TARGETS AND POLICY OBJECTIVES BY 2030

- 55 % cuts in GHG emissions from 1990 levels
- 40 % share of renewable energy
- 36 % improvement in energy efficiency







THE IMPORTANCE OF EU CLIMATE AND ENERGY POLICY

Contributes to a cost-effective green transition

Examples on why EU's climate and energy policy is important to Denmark ٠

- Creates common rules and reduces trade barriers across the EU
 - E.g. a common electricity market, which ensures security of Danish electricity supply and the sale of Danish green electricity to the EU
- Reduces CO2 leakage and thus relocation of growth and jobs
- Contributes to the realization of Denmark's national climate goal
- Creates a large green export potential for Danish companies
- Is leverage for increased global climate action







