

# Lessons learned from the Danish experience





# Political commitment

A long tradition in Denmark

June 2018 - Energy Agreement

- Tender of three large scale offshore wind farms by 2030 (Thor, Hesselø and TBD)

June 2020 - Climate Agreement for Energy and Industry

- Development of two energy islands by 2030 (North Sea and Baltic Sea)
- Power-to-X strategy with focus on green hydrogen

# Lessons learned from the Danish experience



Policy

Permitting

Transparency

Integration





# The One-Stop-Shop concept

A simple and proven approach

DEA - a single point of contact for consenting offshore wind

DEA - a coordinating authority

- TSO (grid)
- Danish Maritime Authority (navigation)
- Environmental Protection Agency (environment)
- Danish Defense (military aviation)
- Work Environment in Denmark (HSE)
- Danish Transport, Construction and Housing Authority (civil aviation)

A photograph of an offshore wind farm with numerous white wind turbines in a blue sea under a clear sky. The text is overlaid on the left side of the image.

# Licenses

A Consenting approach mitigating risk

Models of the three licenses provided to the Concessionaire at the signature of the agreement.

Licenses granted upon application / documentation

- License to carry out pre-investigations
- License to construct an offshore wind farm
- License to produce electricity (30 + 5 years)



# Strategic Environmental Assessment (SEA) Environmental Impact Assessment (EIA)

A robust approach

## **SEA - Headlines**

- Part of the tender material
- Based on a prospective wind farm  
incl. marine mammals and bird surveys, fisheries, safety of navigation, noise, visual impact, cumulative impact...

## **EIA - Headlines**

- Provided by the developer (license of construction)
- Based on the specific project
- TSO prepares the EIA on onshore part

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# Dialogue with industry

A transparent approach securing flexibility and attractiveness of the tender

## Technical dialogue

- Ensures the geotechnical, geophysical, MetOcean content for the specific tender

## Market dialogue

- Ensures the overall tender conditions (installed capacity, awarding criteria, penalties, timeline, prequalification criteria...)



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# Integration of offshore wind

The key to the high security of supply

- Priority access to the grid
- Strong and robust transmission grid and interconnectors
- Nord Pool electricity market
- Flexible generation system
- Pro-active system balancing - forecasting and planning

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