



<https://www.bbc.com/news/world-55811111> ▼ Vertaal deze pagina

Denmark to build 'first energy island' in North Sea - BBC News

4 feb. 2021 — Denmark to build 'first **energy island**' in North Sea ... A project to build a giant island providing enough energy for three million households has ...

<https://www.weforum.org/articles/2021/02/16/denmark-energy-island/> ▼ Vertaal deze pagina

How Denmark's energy island could make history | World ...

16 feb. 2021 — Denmark, the nation that built the world's first offshore wind farm, has agreed to an ambitious plan for another global first – an **energy island** in ...

<https://northseawindpowerhub.eu/t/energy-island/> ▼ Vertaal deze pagina

The first Hub-and-Spoke energy island ...

The first Hub-and-Spoke **energy island**. A new **energy island** that built in the North Sea off the coast of Denmark, could be the first in a network of hubs that ...

<https://ens.dk/wind-power/energy-islands/> ▼ Vertaal deze pagina

Energy Islands | Energistyrelsen

Energy Islands. Find information about the two **Energy Islands**: The **energy island** in the Baltic Sea will be the existing island of Bornholm, whilst the energy ...

<https://www.euronews.com/en/life/2021/02/05/denmark-first-artificial-energy-island-will-power-3-million-homes> ▼ Vertaal deze pagina

Denmark's first artificial energy island will power 3 million ...

5 feb. 2021 — Denmark's first artificial **energy island** will power 3 million homes ... Denmark has approved plans to build the world's first artificial **energy island** in ...

https://en.wikipedia.org/wiki/Energy_islands_of_Denmark ▼ Vertaal deze pagina

Energy islands of Denmark - Wikipedia

Energy islands of Denmark ... The government of Denmark is planning to establish two large-scale offshore wind farm projects or "**energy islands**", in the North Sea ...

<https://www.cowi.com/en/about/denmark-to-build-the-worlds-first-energy-island> ▼ Vertaal deze pagina

Denmark to build the world's first energy island - COWI

22 feb. 2021 — The Danish Parliament has agreed to build the world's first offshore wind **energy** hub, designed as an artificial island in the North Sea ...

Offshore energy hubs

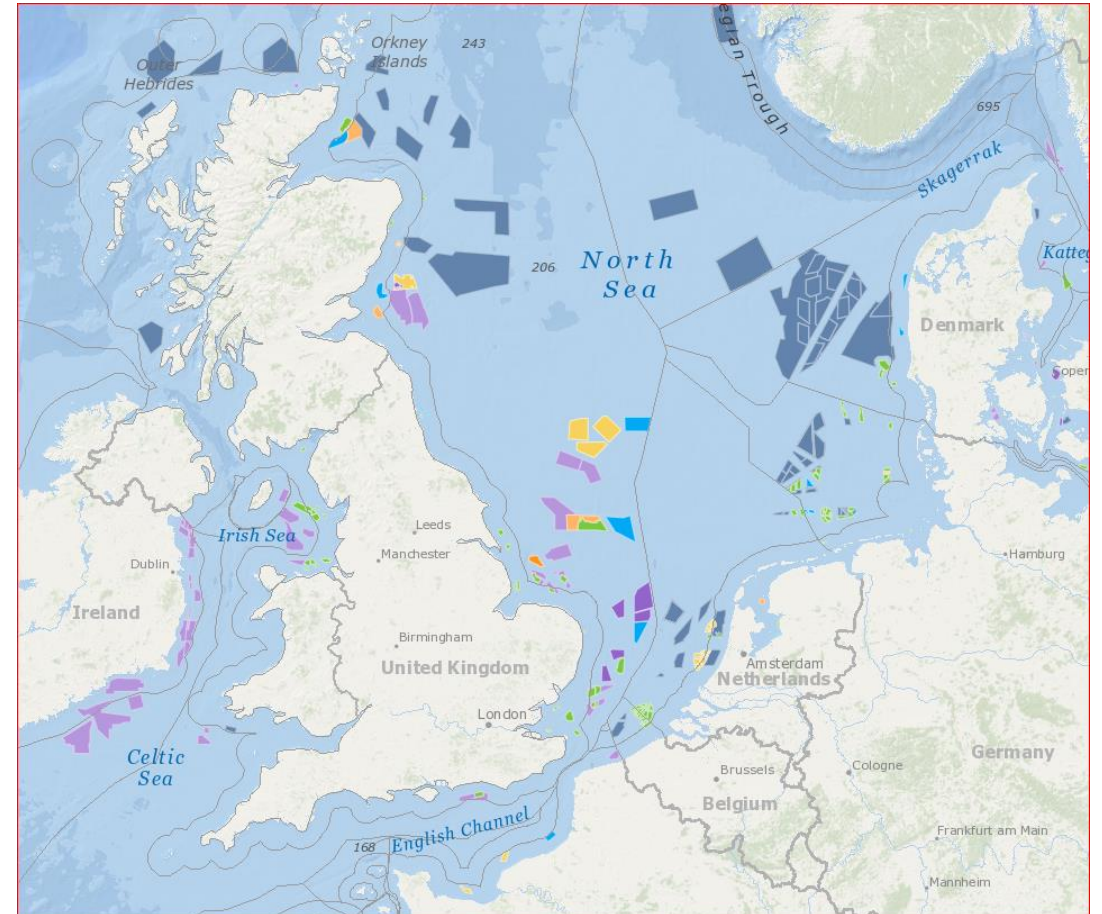
A policy view for the Netherlands

Joost Vermeulen, sr. policy advisor



Why offshore energy hubs?

- **It's the distance stupid!**
- Well, that's half the story. Also:
 - Scale: offshore wind farm size grows, this makes hub solutions more viable
 - Scarcity of space, and electricity connection and transport capacity on land
 - Transport of molecules is cheaper than electrons
 - Offshore wind farms of neighbouring countries offer opportunities for (hybrid) interconnections





Usefulness and necessity

- **Energy hubs: not an end in itself**
- Main functions:
 - Energy aggregation point: alternative for platforms
 - Energy distribution point: to main land, interconnection
 - Energy conversion: e.g. power to gas
 - Enabler of new logistical/O&M strategies
 - Hosting other services: e.g. coast guard base





How, where and when?

- It will be a gradual development
 - From radial connections now ...
 - to hybrid connections (e.g. WindConnector) between 2025 and 2030 ...
 - to dedicated constructions or artificial islands from 2035 onwards
- EU offshore renewable energy strategy:

