

CAPTURING GOLDEN OPPORTUNITIES

Monday 8th of November, 16.15-17.15, COP26

HSE, pr. 5/11-21

HOVEDBUDSKAB & ANSLAG

Hovedbudskab:

Transnational energy islands are today's answer - to speed up and scale up the green transition!

Anslag - kort:

Overvejer "NeverLand", herunder "Tinkerbells magic dust" med reference til overskriften på event: "Capturing golden opportunities"

A woman with long brown hair, wearing a white hard hat with the 'ENERGINET' logo, a light blue scarf, and a bright yellow high-visibility safety vest over a dark blue puffer jacket, stands on an offshore oil rig. She is gesturing with her right hand. In the background, there is a large black industrial structure and a red and white ship on the water.

HANNE STORM EDLEFSEN

Vicepresident, Energy Islands, Energinet



68 GW
of new offshore wind each
year



11

TIMES

MORE THAN RECORD
YEAR 2019 (6.2 GW)

ENERGY ISLANDS IN DENMARK

The North
Sea-3-10 GW

= 10 million
households

The Baltic Sea
2 GW

=2 million
households



ARTIFICIAL ISLAND IN THE NORTH SEA

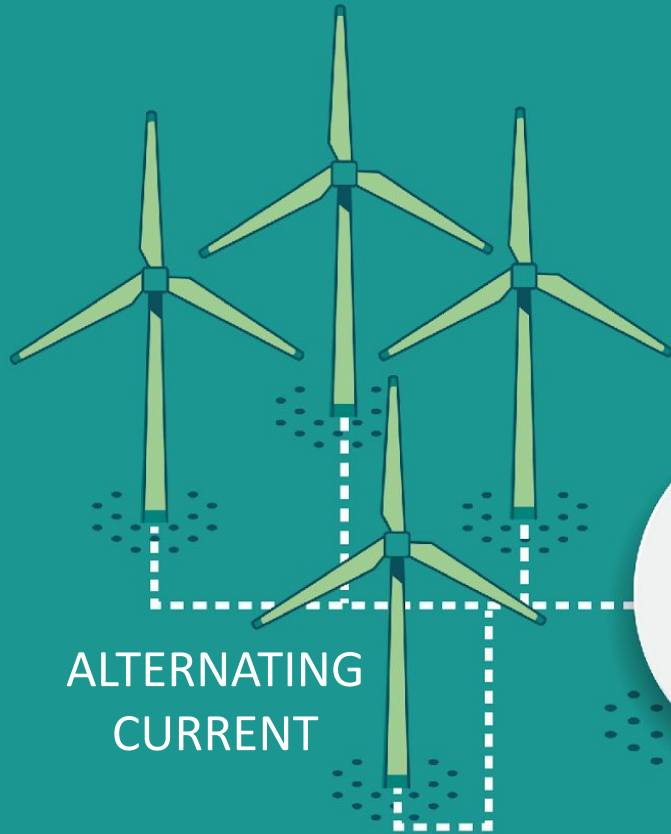
- 80 km from the shore
- 3 GW growing to 10 GW
- Public private **partnership**
- EUR 28 billion in total

ENERGY ISLANDS OR HUBS

10-16 GW

HUB

100 KM OR MORE TO LAND



ALTERNATING
CURRENT



DIRECT CURRENT

DIRECT CURRENT

HYDROGEN



ALTERNATING
CURRENT

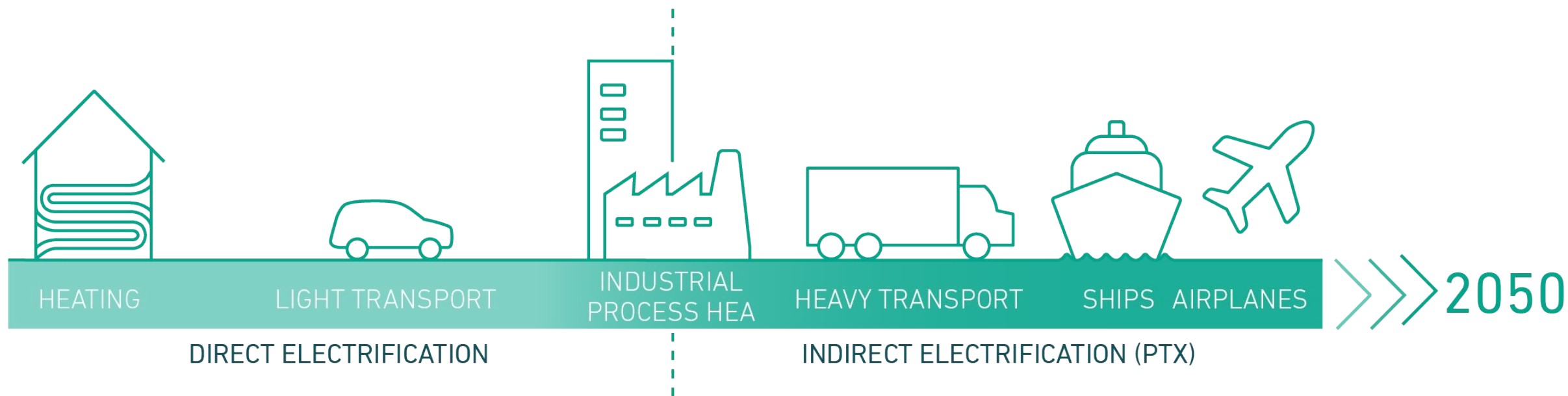


HYDROGEN

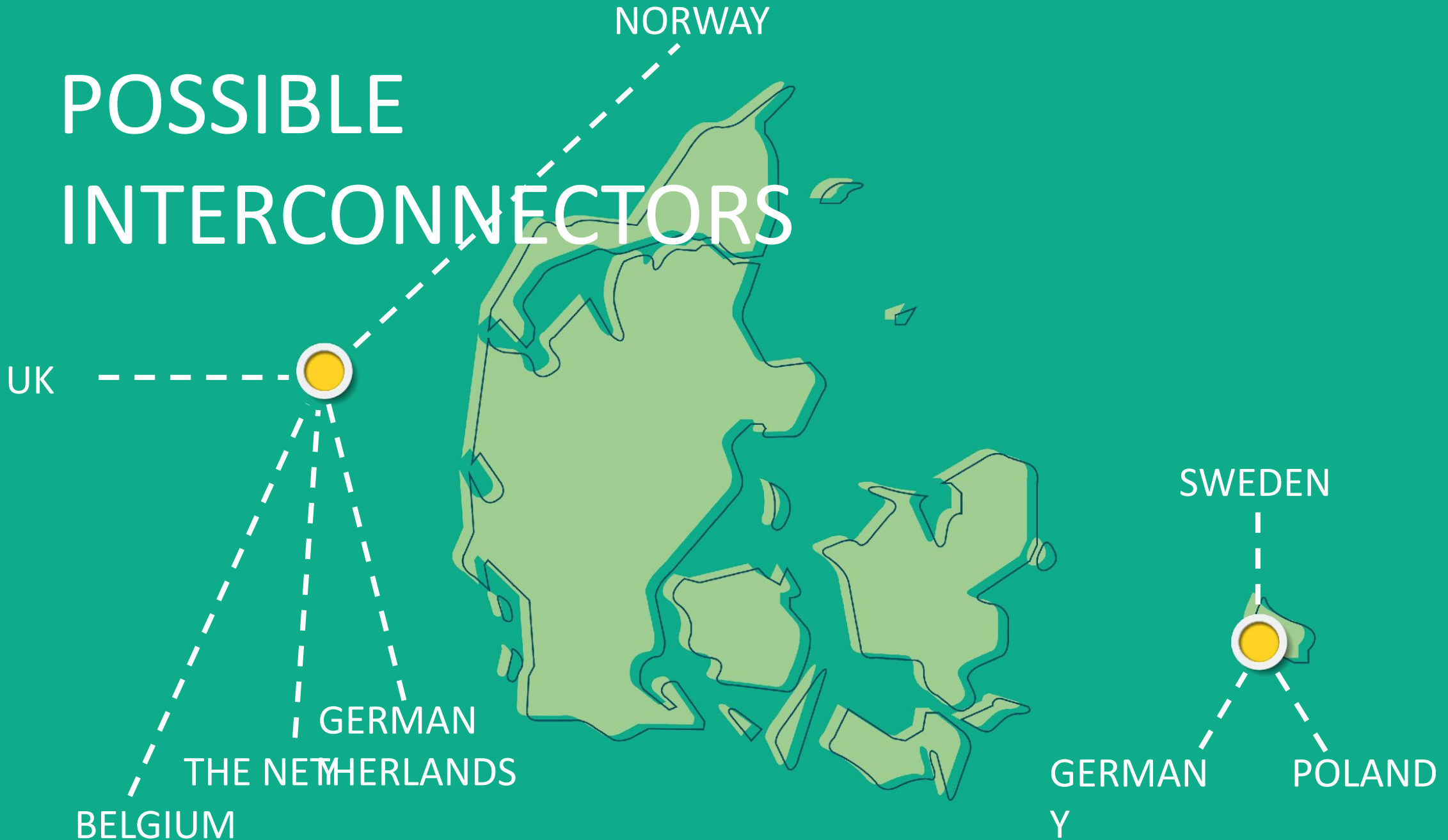


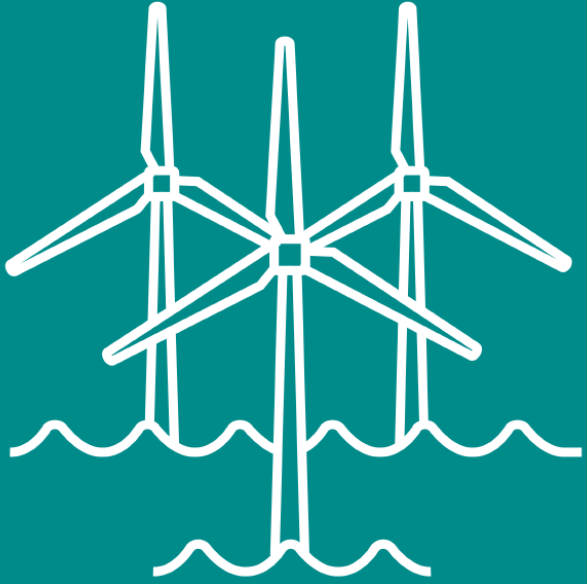
GREEN FUELS

MORE THAN JUST POWER



POSSIBLE INTERCONNECTORS

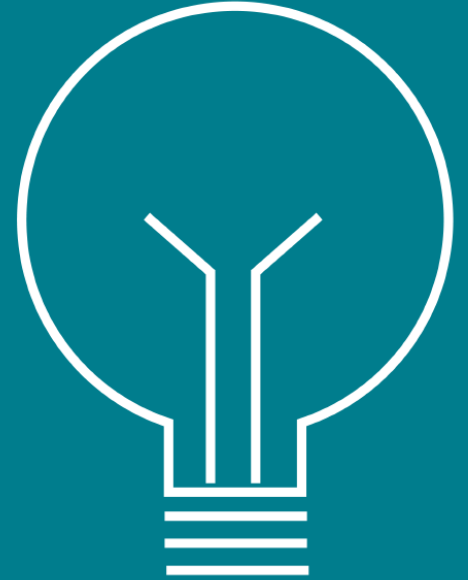




MORE RES &
LONGER OUT AT SEA

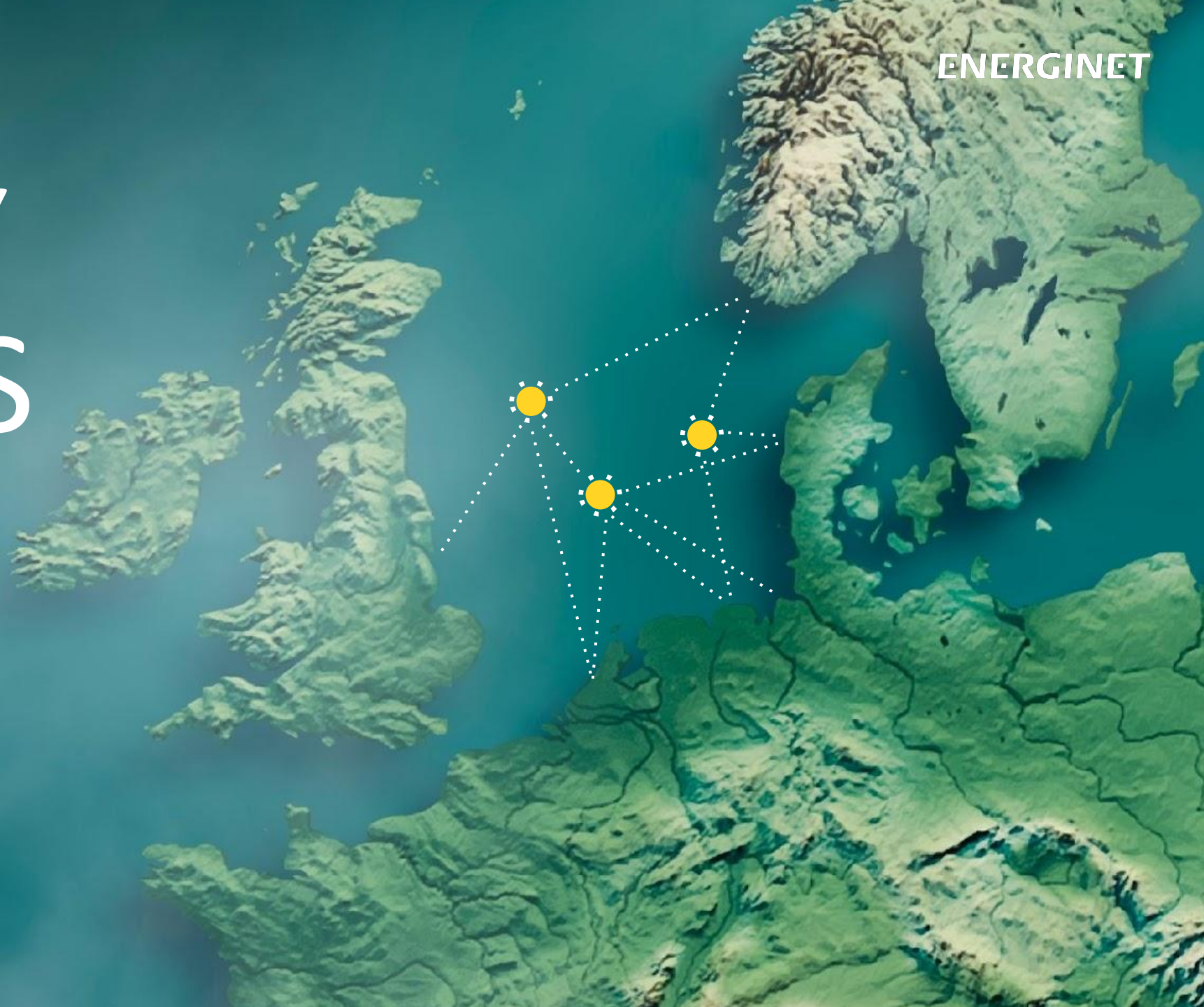


EFFICIENT USE OF
INFRASTRUCTURE



HIGHER SECURITY
OF SUPPLY

ENERGY ISLANDS DISTRIBUTED



FOLLOW OUR WORK

Energinet:

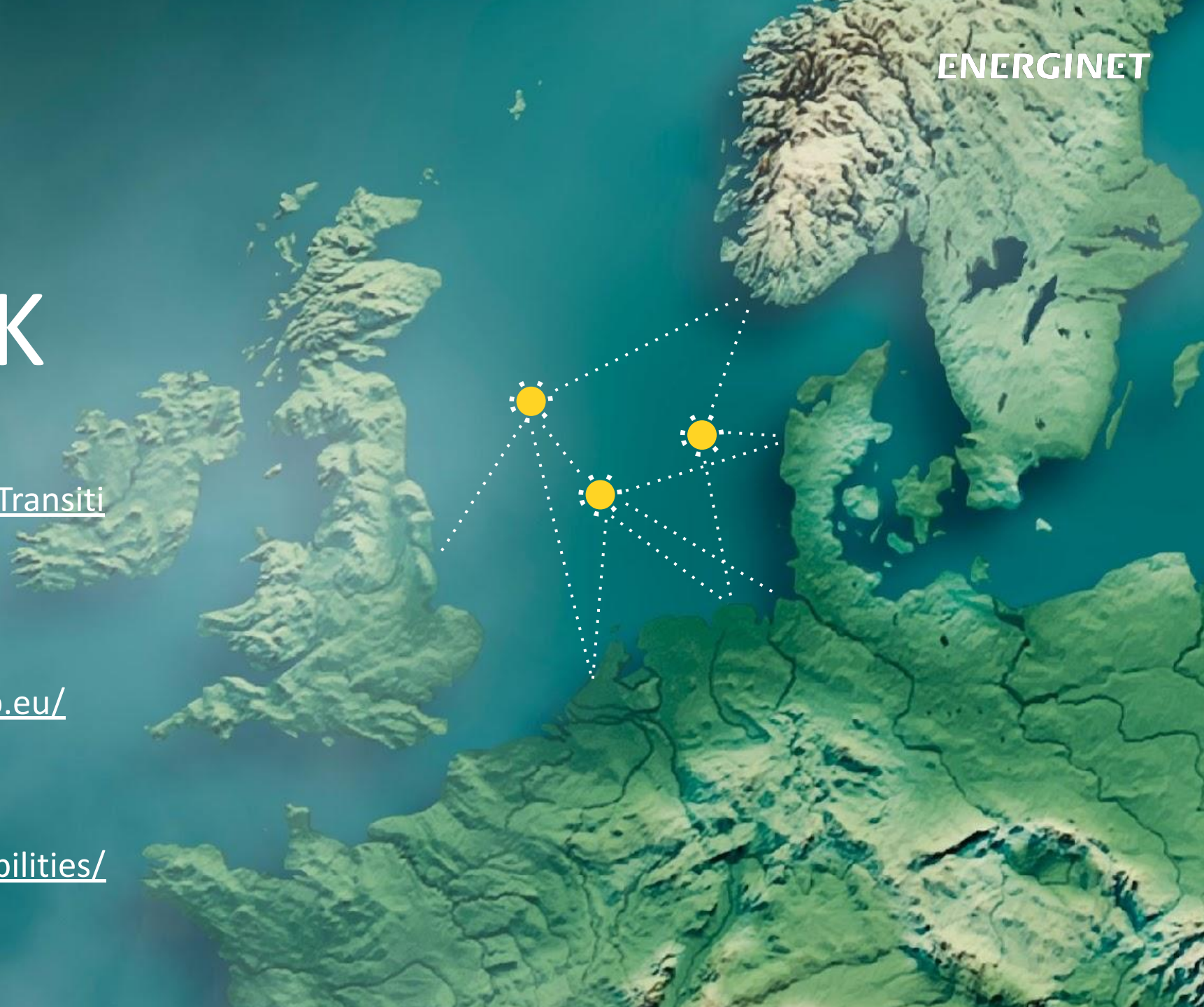
<https://en.energinet.dk/Green-Transition/Energy-Islands>

North Sea Wind Power Hub:

<https://northseawindpowerhub.eu/>

Danish Energy Agency:

<https://ens.dk/en/our-responsibilities/wind-power/energy-islands>



TIMELINE – ARTIFICIAL ISLAND IN THE NORTH SEA

