



Baltic Power Sector in Transition

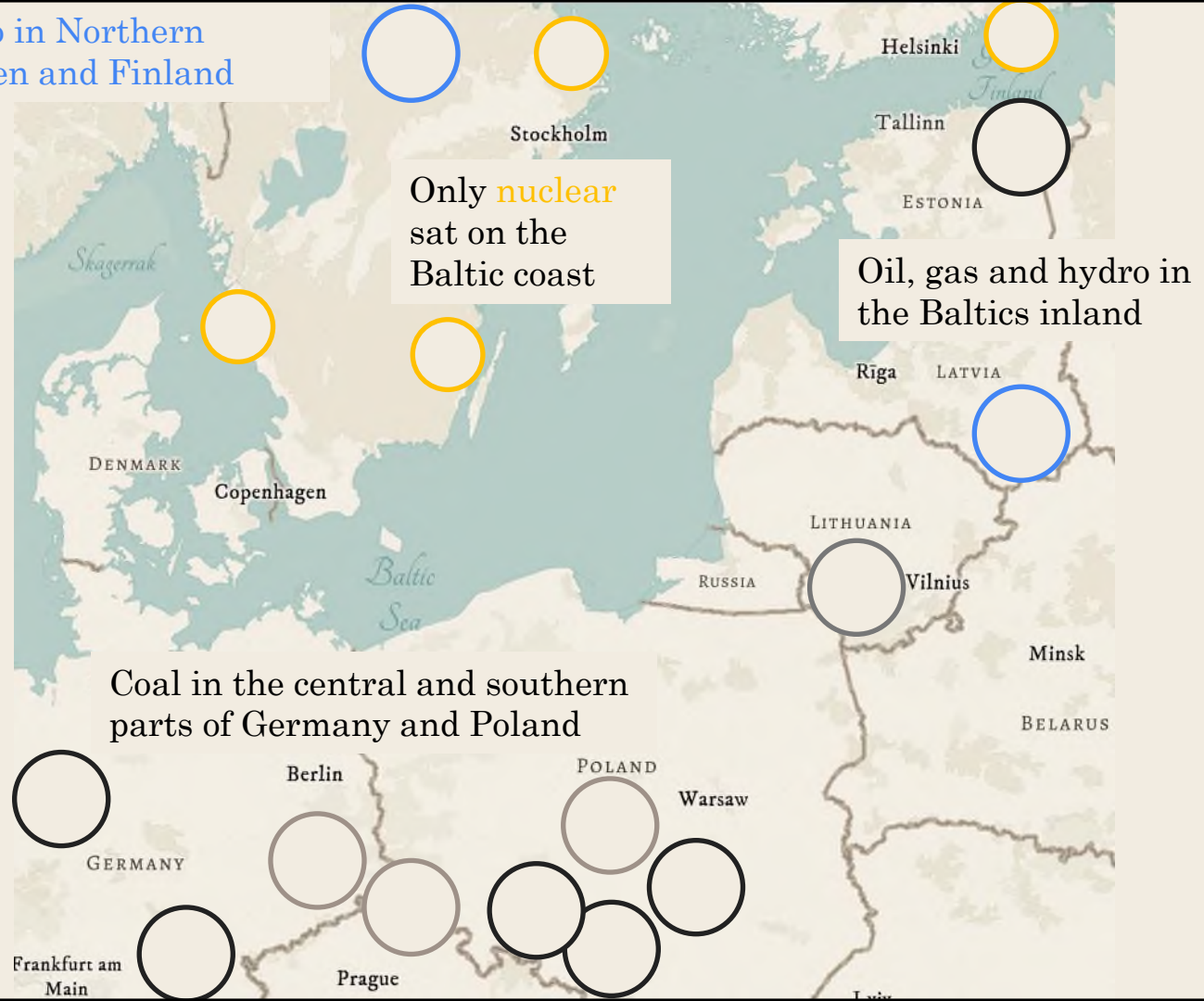
Dr Pawel Czyzak
3/9/2026



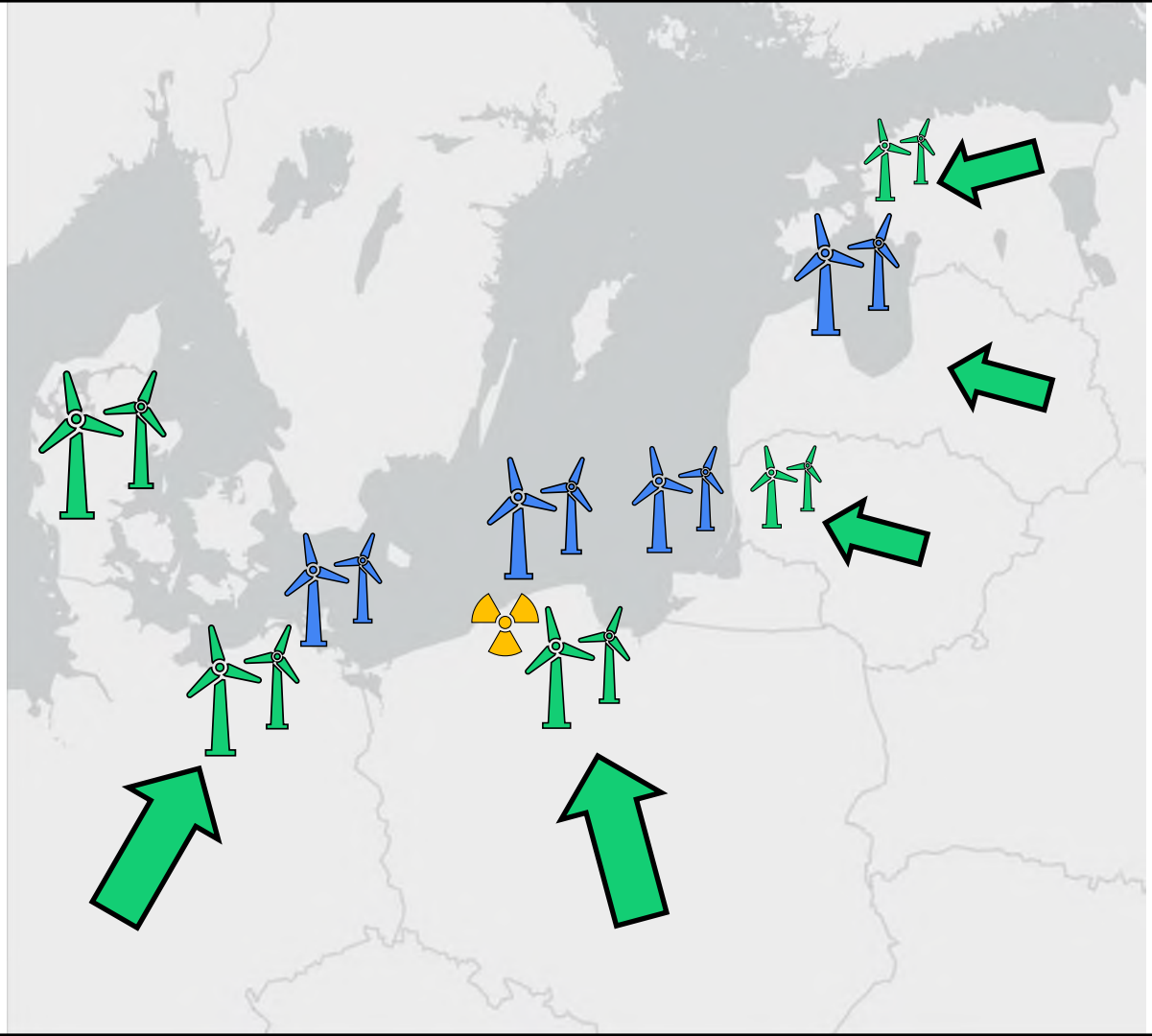
EMBER

Historically,
electricity
production in the
region wasn't
strongly connected
to the Baltic Sea

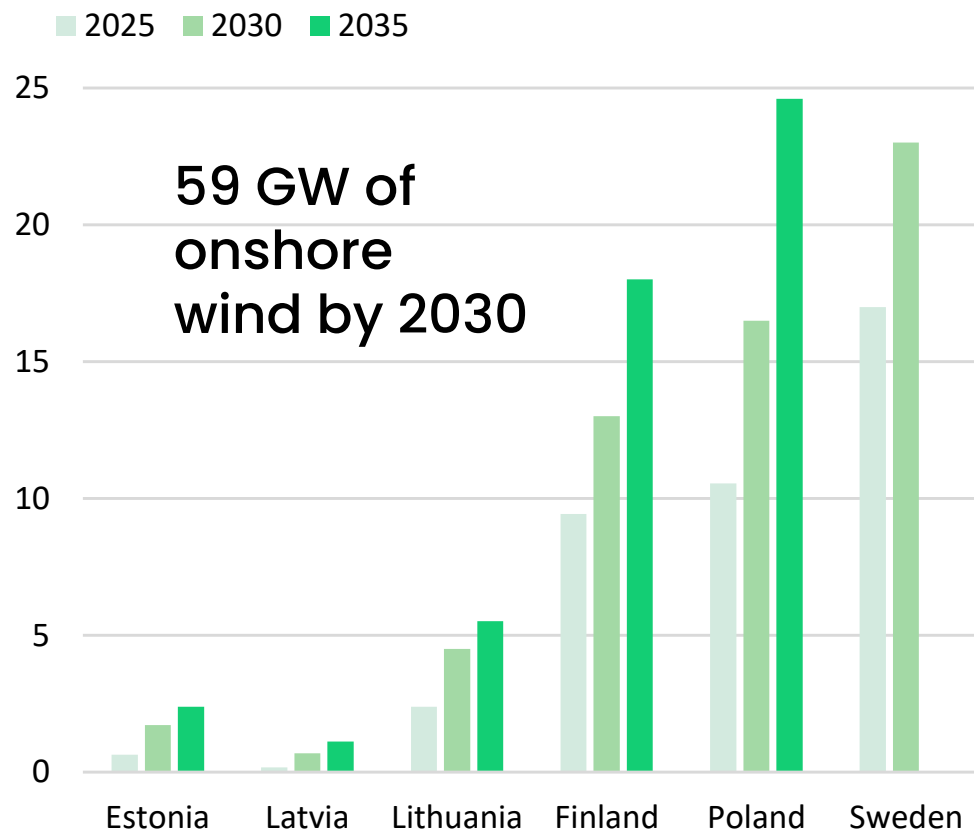
Hydro in Northern
Sweden and Finland



This is now
shifting rapidly,
with electricity
generation
moving towards
the windy Baltic
coast



The scale of the wind buildout is huge

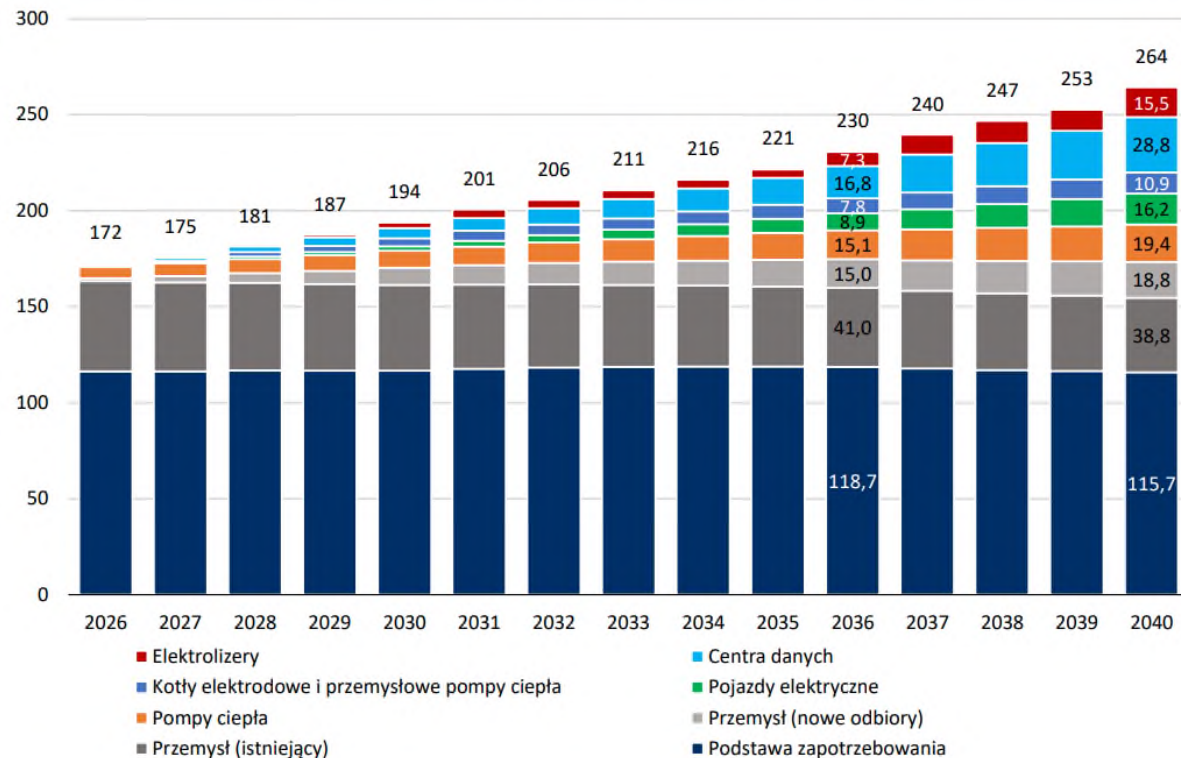


**59 GW of
onshore
wind by 2030**

**+20 GW of
Baltic Sea
offshore
wind by 2030**

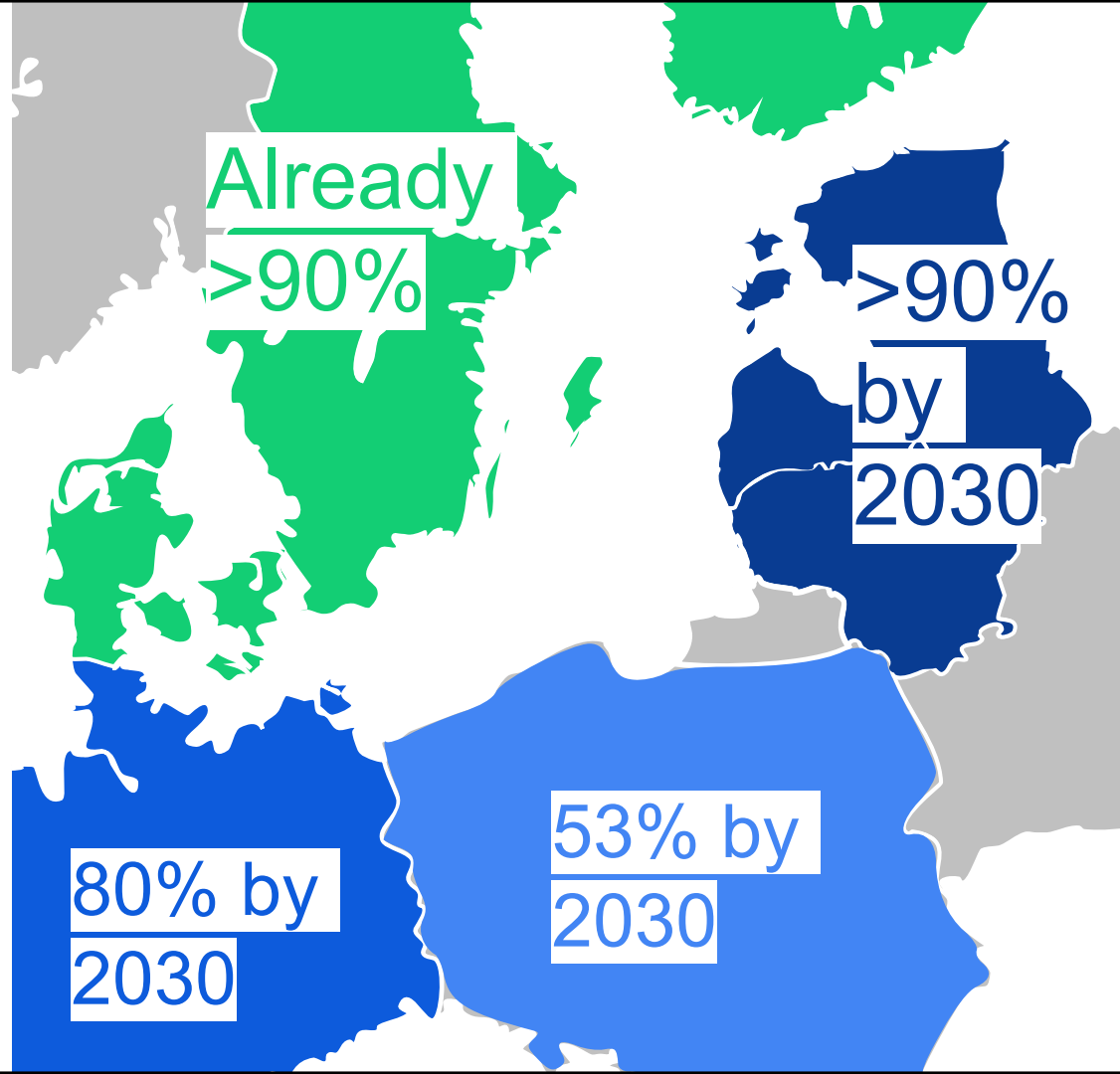
Demand is expected to grow too

Rys. 4-1 Roczne zapotrzebowanie na energię elektryczną netto w latach 2026-2040 – scenariusz pogodowy SWS [TWh]



90 TWh new
power demand
in Poland alone
by 2040

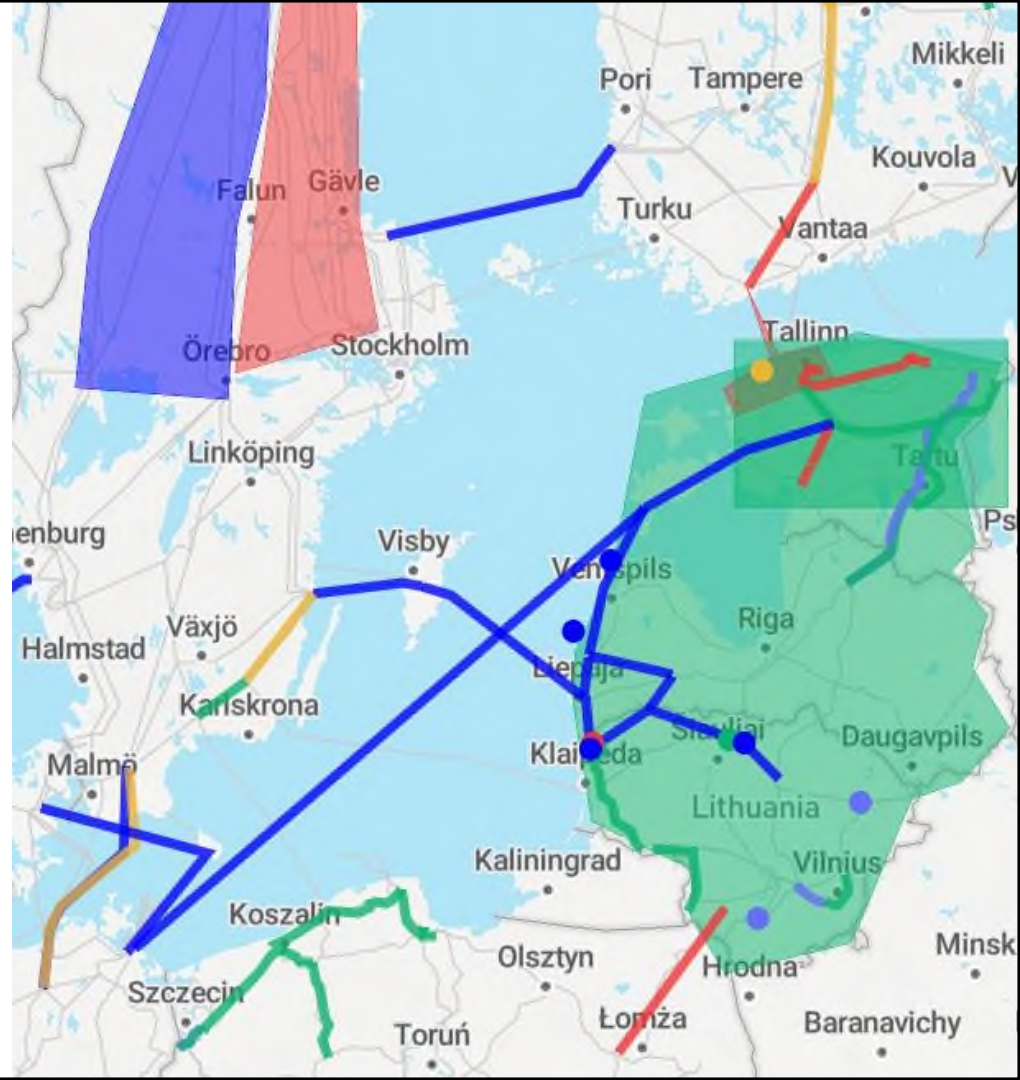
By 2030, most
Baltic Sea
countries will be
running >90%
on clean power



All this requires more interconnection

Many projects in discussion:

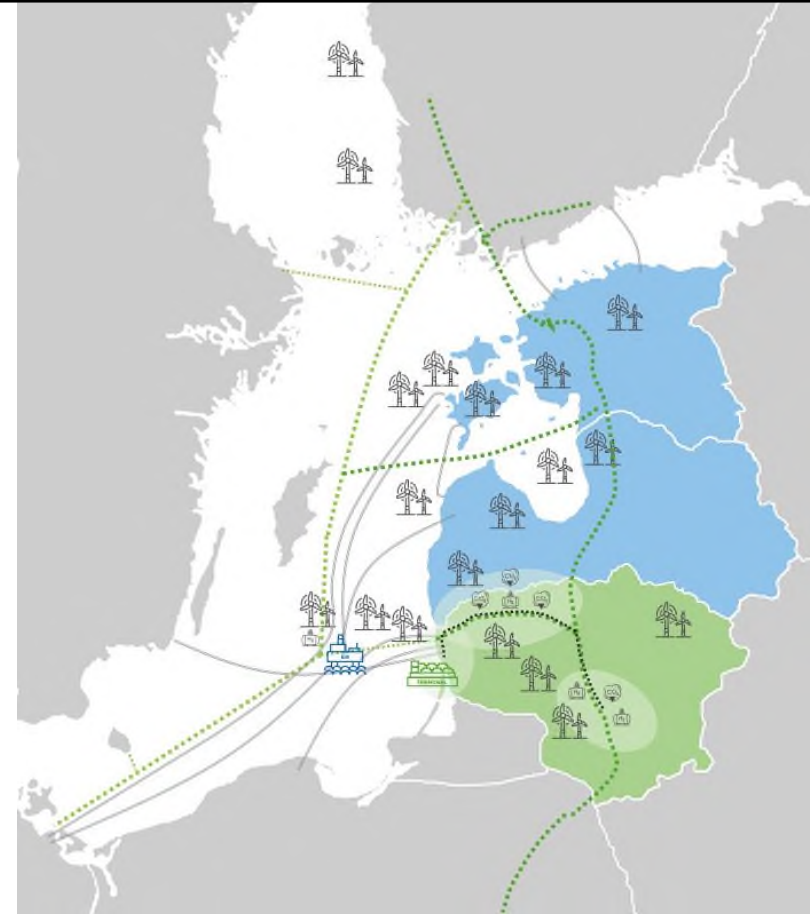
- Harmony Link
- EstLink 3
- Poland North-South HVDC bridge
- Baltic-German power link
- LaSGo Link



Baltic Energy Hub

Energy Hubs

Bornholm Energy Island



Poland is not part of either of these...

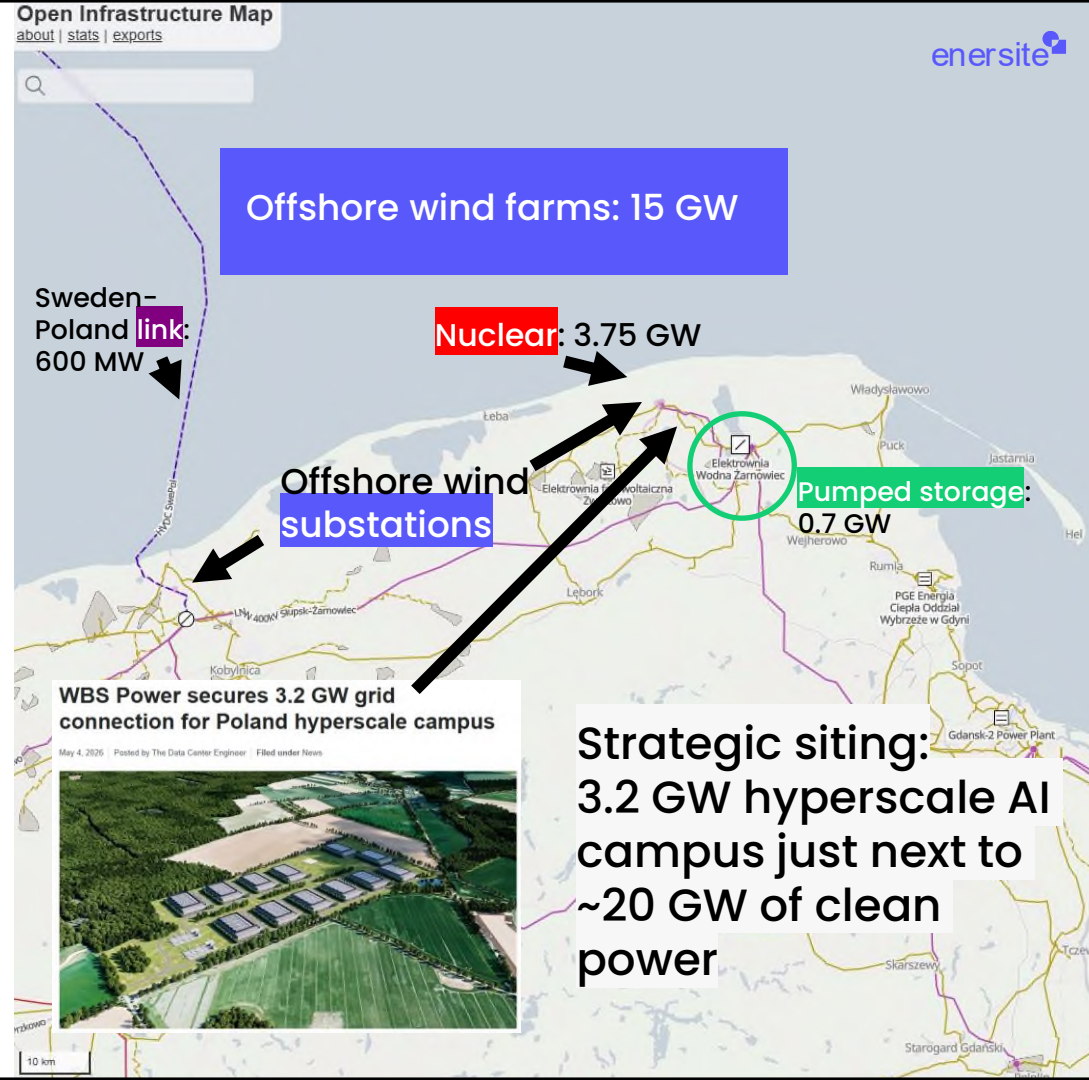


Two things to keep in mind



1.

Better matching of supply and demand





2.

All this power infrastructure requires protection

Climate

Green Reform ▾

Biodiversity

Environmental protection ▾

Living environment

Circular economy ▾

Energy

Mineral resources

 > News

> European Commission allocates over 112 million euros to the Baltic States and Poland for the protection of critical energy infrastructure

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29.01.2026 | 13:58





Thank you!

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