



Five years in the making...

Project Sunnavind enabling offshore wind power in Åland Wind Offshore 2026, Helsinki

Ralf Häggblom
Energy coordinator, project manager
Government of Åland

The sea – the vision – the mission

- †† **The Åland maritime spatial plan adapted 2021:**
1000 km² potential suitable for offshore wind power
- †† **The Government of Åland 2021 vision:** largescale offshore electricity production can create significant benefits for Åland.
- †† **Project Sunnavind's task:** enable establishment of largescale offshore wind power in the northern sea areas managed by the Government with the highest attainable benefits for Åland.
- †† **Exclusivity for the sea areas:** to be based on competitive bidding auction, on market-based principles.
- †† **Financing:** The project has received 2,8 M€ EU-financing (RRF REPowerEU) in addition to Government budget funds.



A common resource of all ålanders, with potential

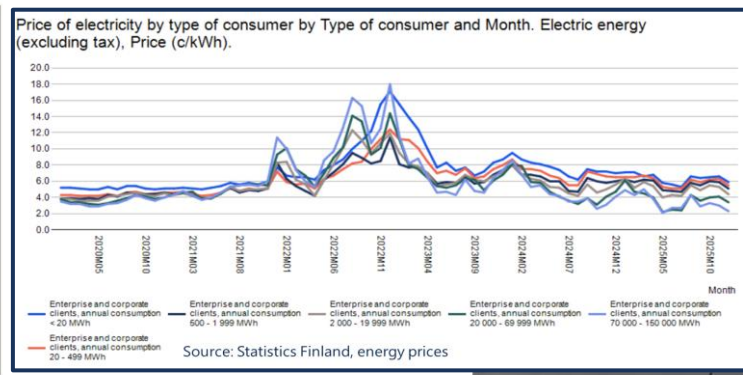
Timeline



UN CLIMATE CHANGE CONFERENCE UK 2021

February 2022 BOEM auction brought in over \$4.3 billion for rights to six lease areas

REPowerEU
Affordable, secure and sustainable energy for Europe



The North Sea Summit
29th January 2026 | Hamburg

2026 Hamburg declaration
100 GW North Sea offshore by 2050

EU countries' regional cumulative offshore goals of 86-89 GW by 2030 and 355-366 GW by 2050,



Thor Wind Farm I/S har vundet udbuddet af Thor Havvindmøllepark. Det er første gang, der gennemføres et udbud af havvind i Danmark uden støtte. Vinderen forventes inden for få år at betale 2,8 mia. kr. til staten, i takt med, at der produceres strøm

01-12-2021 Energistyrelsen

THE BALTIC SEA Energy Security Summit
2022 Marieborg declaration 19.6 GW offshore in Baltic Sea by 2030



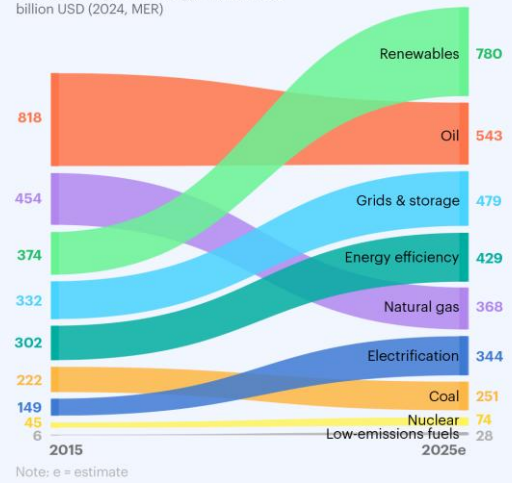
Global offshore windpower capacity 83 GW
GWEC
Europe 39 GW
EU 21,5 GW
WindEurope

Bundesnetzagentur offshore wind power auctions for non-centrally pre-investigated sites, closed for bids on 1 June 2024. Dynamic bidding procedure proceeds came to €3.0225bn.

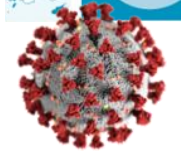
Record breaking auction for offshore wind secured to take back control of Britain's energy
8,4 GW
Estonia halts Saare 7 offshore wind licensing

The energy investment landscape is changing

Evolution of global energy investment billion USD (2024, MER)



The European Green Deal
Striving to be the first climate-neutral continent



Environmentally acceptable impacts – from draft to proposal



- To achieve the objectives of the Government of Åland for the establishment of large-scale offshore wind power, a master plan proposal has been developed.
- 26 comments were received on the draft plan in the consultation process and 13 comments in the parallel Espoo procedure.
- The consultations resulted in the plan being further developed.
- In the process adjustments to the area have been made and plan regulations have been formulated to ensure that the environmental impact is at an acceptable level.
- The plan provisions include protective measures to minimize negative consequences on the natural environment and society. Examples of such safeguards include:
 - Requirements for further investigations where further data is needed
 - time restrictions for work that may cause sediment to spread or impulsive noise.
 - noise reduction measures and protective distances to any valuable bottom habitats.
- The environmental assessment finds the master plan to have acceptable environmental effects.
- The masterplan and plan description is further documented in 21 reports

Planning area & Wind power area

General:

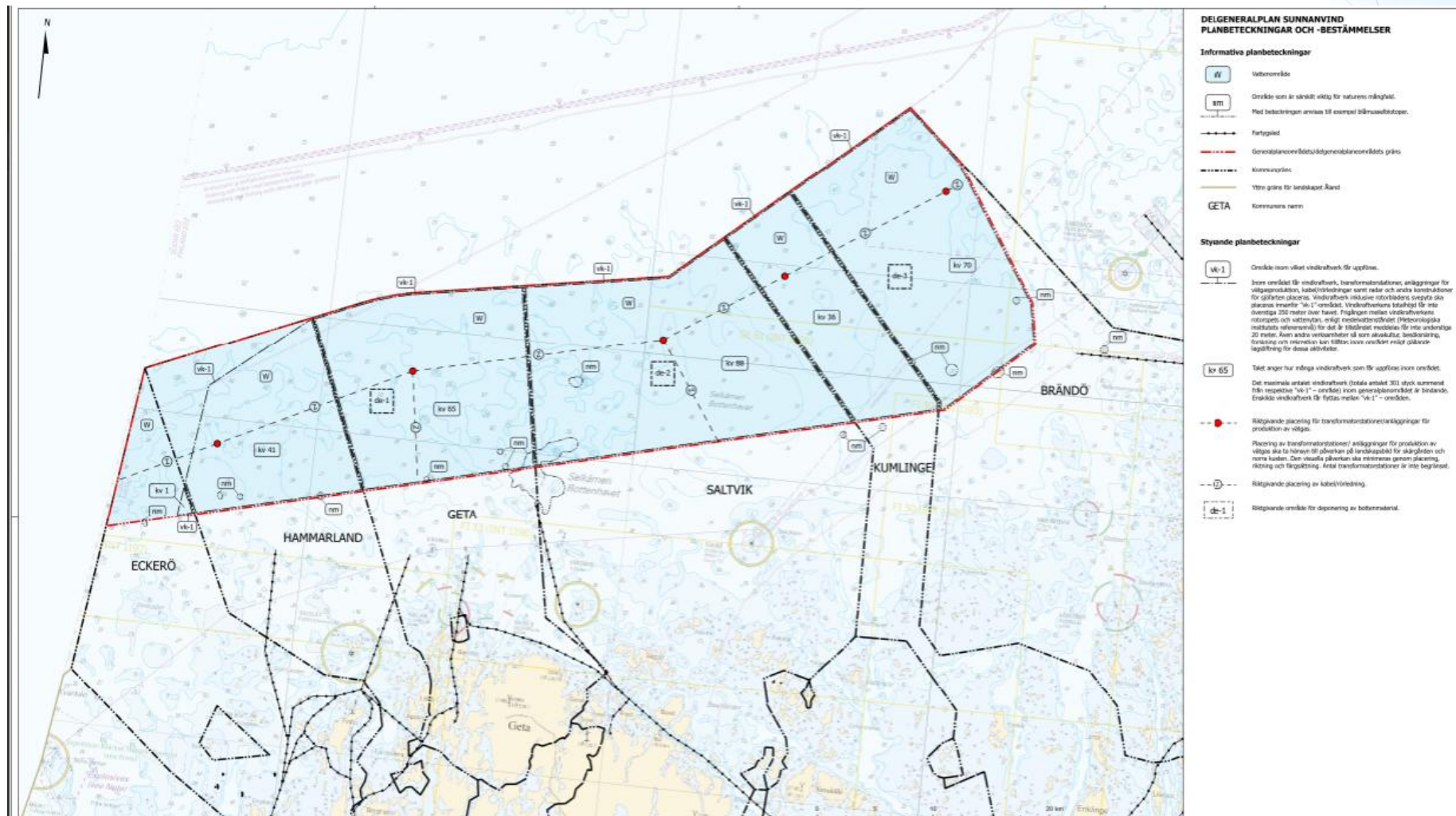
- 1200 km² area
- within six municipalities
- 15 km distance to Åland shore
- ~50 km to mainland Finland
- ~100 km to Sweden

Technical:

- 350 m max. turbine height
- 301 windmills in total allowed

Plan proposal:

- 21 stipulated plan requirements
 - nature investigations
 - nature protection
 - impacting methods
 - modeling of impacts



Next steps:

- The masterplan proposal will be published on <https://www.sunnanvind.ax/en> this spring
- The project is proceeding with preparations for carrying out an auction

Questions?