The Baltic Sea – a favorable place for offshore wind power(?,!)

Peep Siitam
Estonian Wind Power Association
Team Paldiski

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Professional backround

MSc civil engineering, MBA

Construction and construction industry, mining, energy industries, IT

Estonian long-term energy plan 2030

Regional investment agency to develop the business environment, create new businesses and attract investments

Co-founder Cleantech ForEst

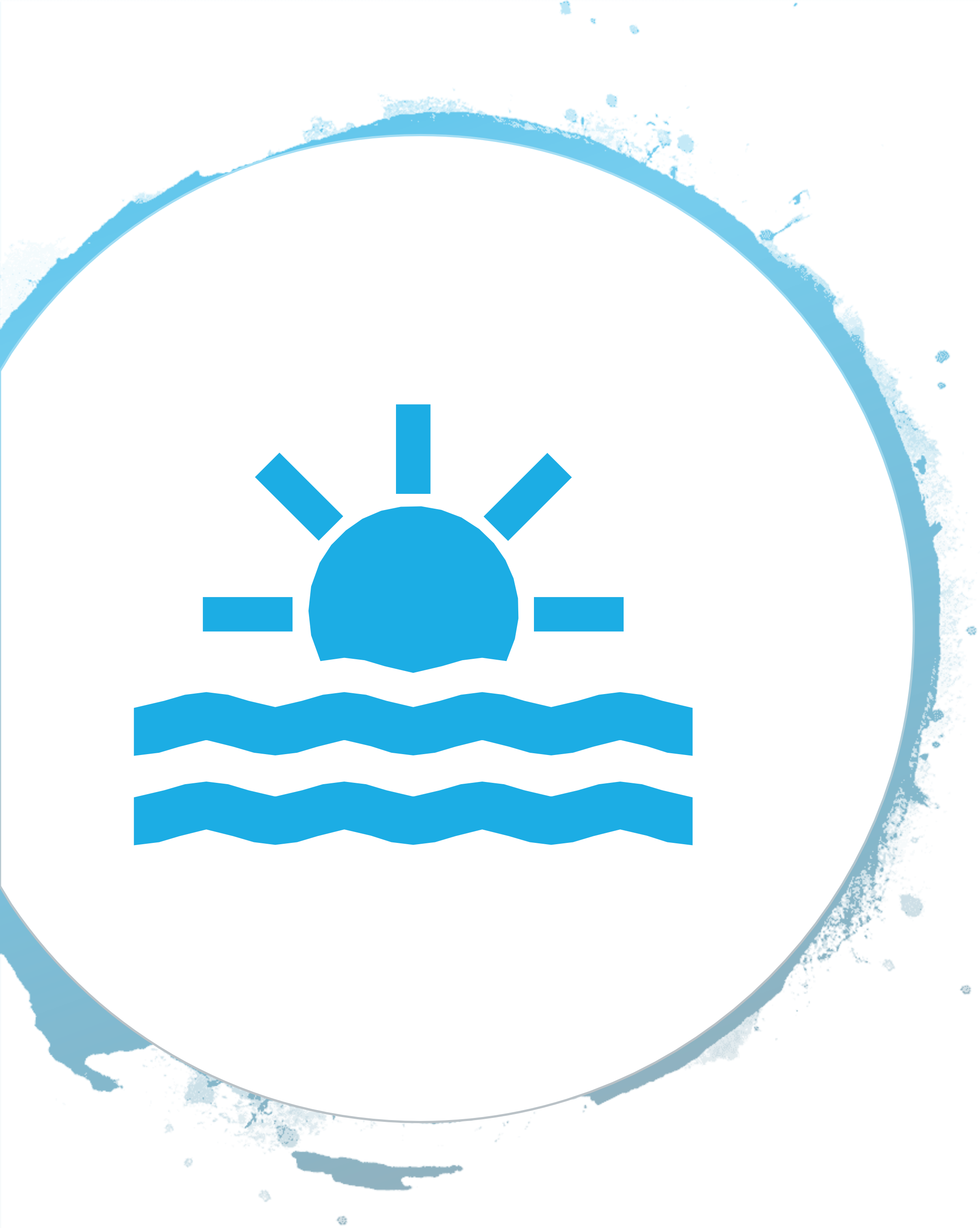
Promotor of Estonian 500MW PHES

Synergies Build the Future

High wind, low waves – a favourable place for OWP

Baltic Sea Declaration

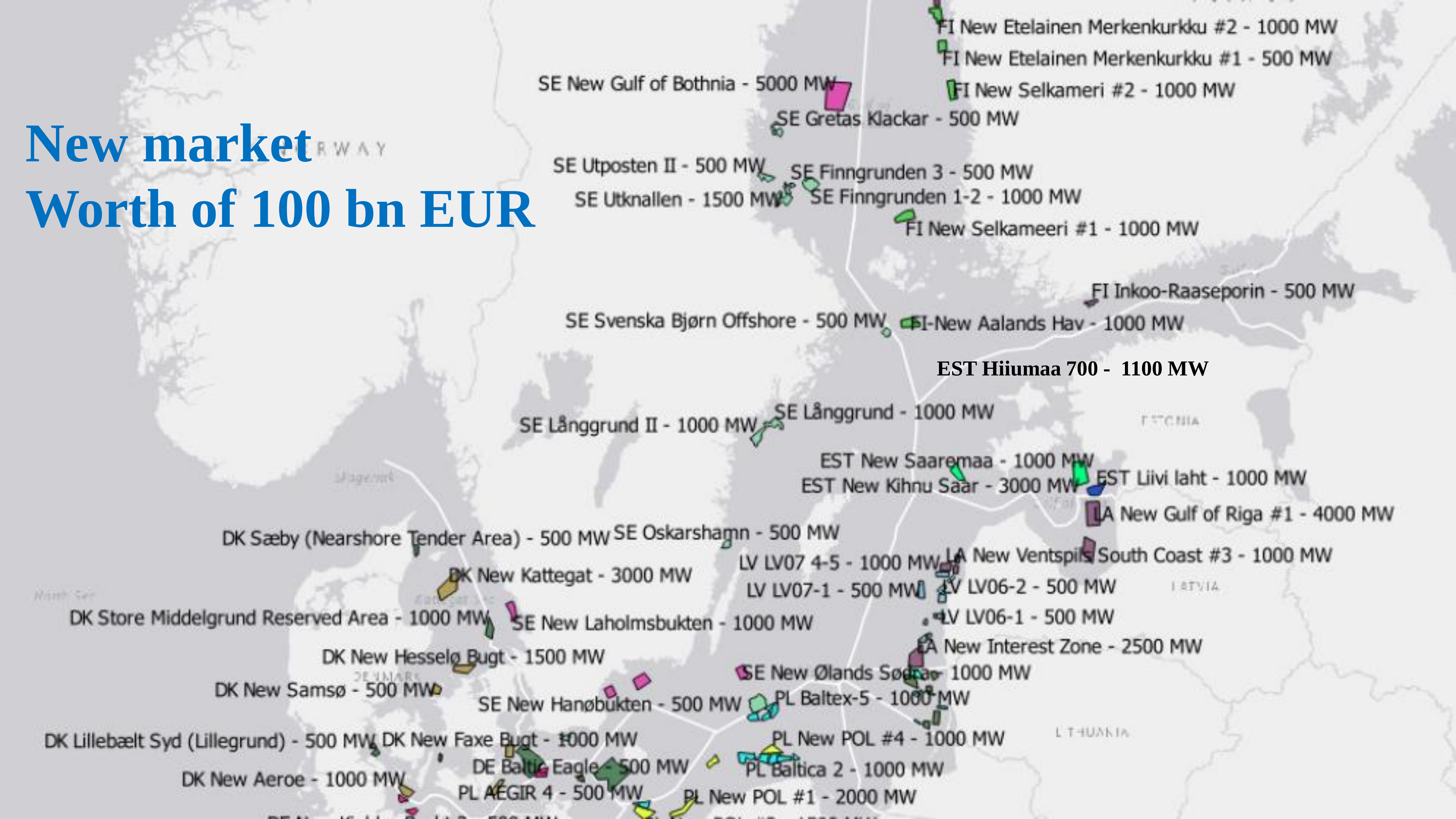
- Global Wind Day, June,15 2017
- The Baltic Sea countries National Associations
- Accelerating the use of offshore wind power in the region



Natural conditions

- Strong and stable winds, low waves, shallow waters;
- Close distances to shore & easy accessibility;
- Less harsh conditions compared to North Sea;
- Offshore wind energy combined with hydropower and interconnectors can provide intensive baseload in the Baltic Sea region.

New market
Worth of 100 bn EUR



Benefits

1

Red vs Blue Ocean strategies

- New supply chains (e.g. substructures, turbines, maintenance, shipping)
- High value jobs
- Cost reduction to support European industry

2

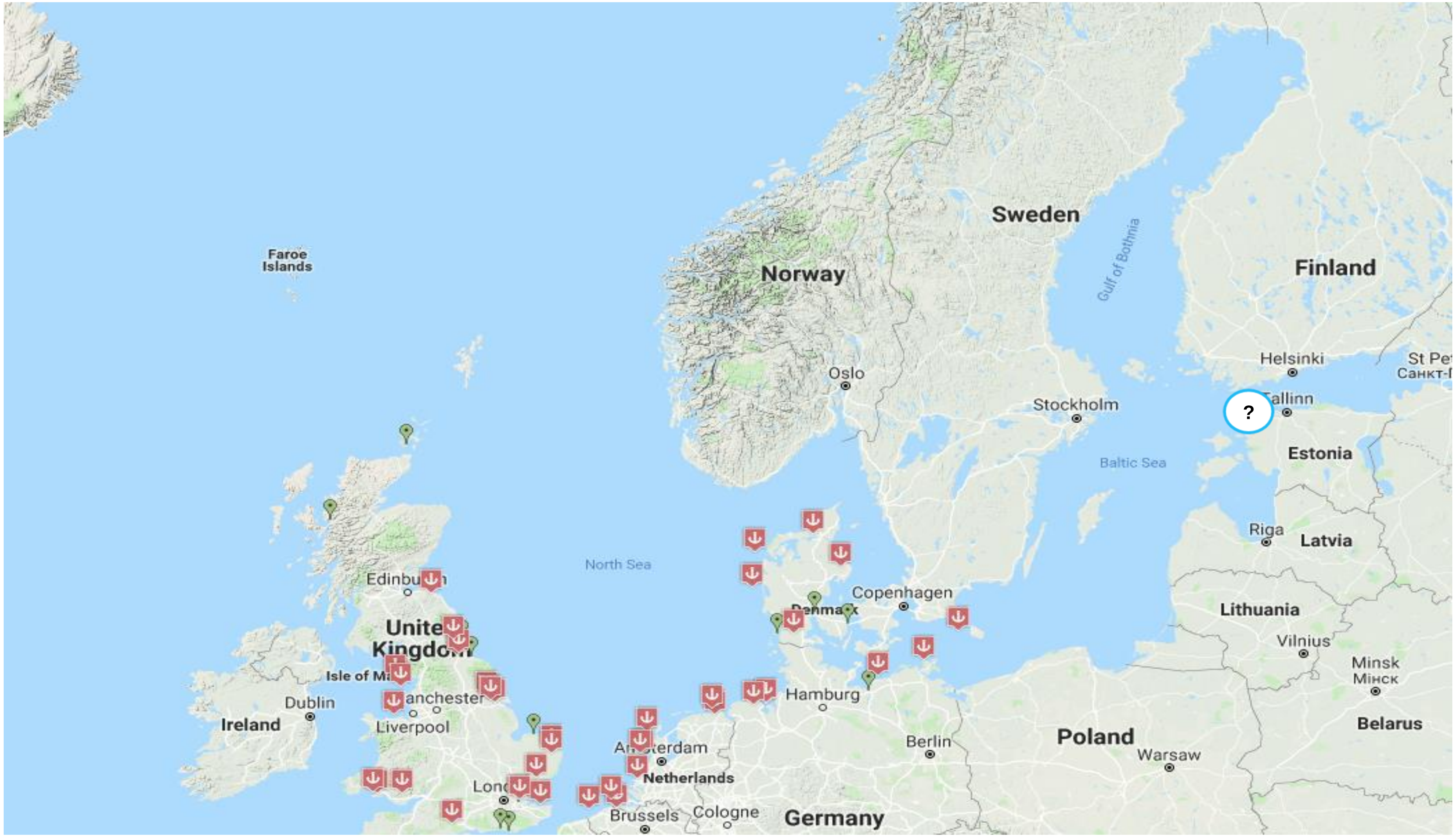
Public and industry involvement

- New “utilities”
- Combining industrial and OWP cuts CAPEX

3

Value innovation vs technology innovation

The Sea of opportunities



Allikas: 4C Offshore, https://www.4coffshore.com/ports/

Legal framework, interconnections and spatial planning needed

Legal framework:

- Stable and long-term national plans to create an attractive market;
- Defining OWP volumes sharing;
- MS cross-border co-operation projects;
- Reforming market design: actions, not slogans!

Interconnections:

- Coordinated development of grid projects creates synergies and reduces costs;
- Higher level of interconnections means less environmental impacts and more economic benefits.

Spatial planning:

- Sharing is caring
- OWF locations
- Removing obstacles in spatial planning

ABILITY = POTENTIAL x WILL x CAPABILITY

Contacts:

Peep Siitam
CEO, Team Paldiski
siitam@investinpaldiski.ee
+372 53495949

Estonian WIND POWER Association