

**BALTIC
ENERGY
ISLAND**



Lighthouse Bornholm – What, Why and Opportunities

By Søren Møller Christensen, CEO interim

Baltic Energy Island - The Big Picture

Planned Project:

3.2 – 3.8 GW windfarm with landing site on Bornholm, DC power export til Germany and Sealand. Possible overplanting used for P2X

Proposed project (CIP/Ørsted):

3 GW windfarm connected to P2X with H2 export to Germany

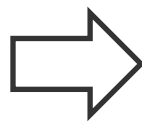
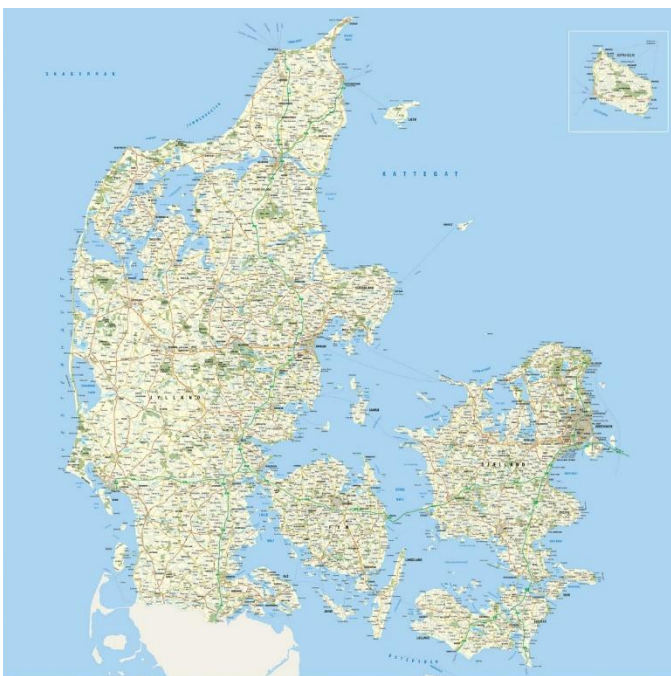
Investments +125 Billion



Bornholms new geopolitical role

- from misplaced outskirts of Denmark to a Scandinavian and European energycenter

The Energy Island Bornholm, Marienborg Declaration, RePowerEU and new hydrogen networks changes the geo- and energypolitical role of Bornholm.

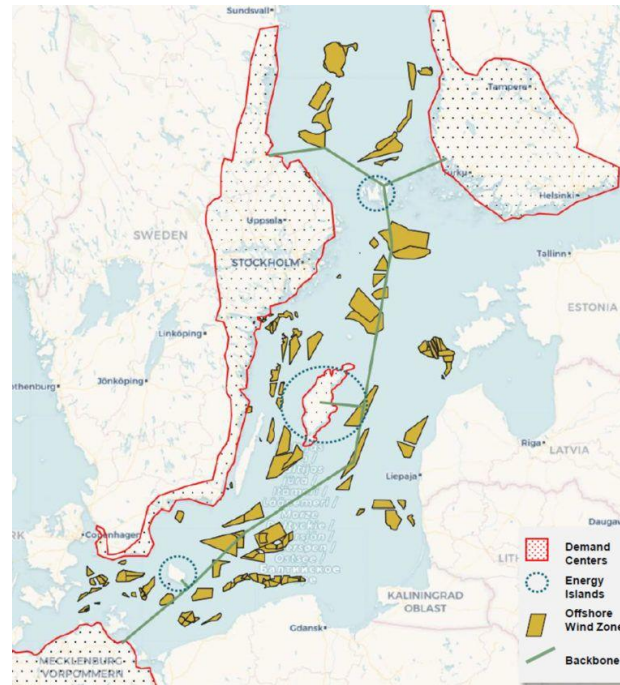
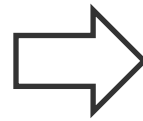


Kilde: Energinet

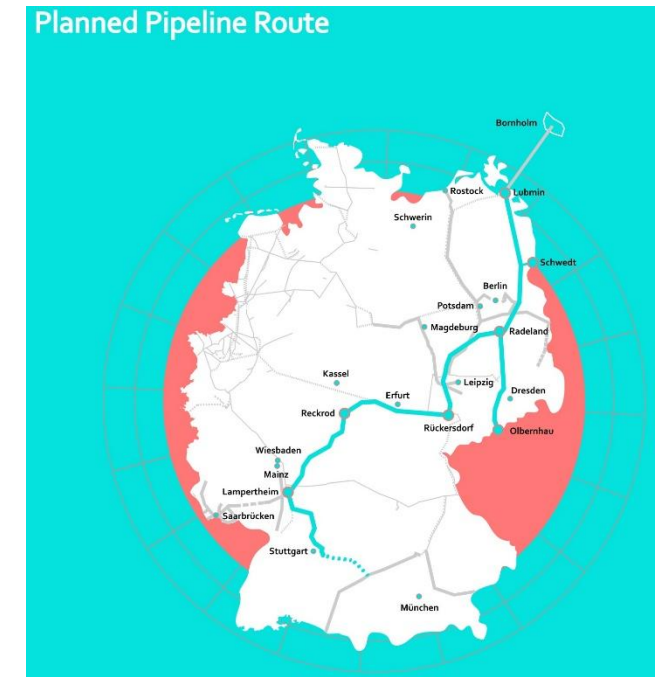
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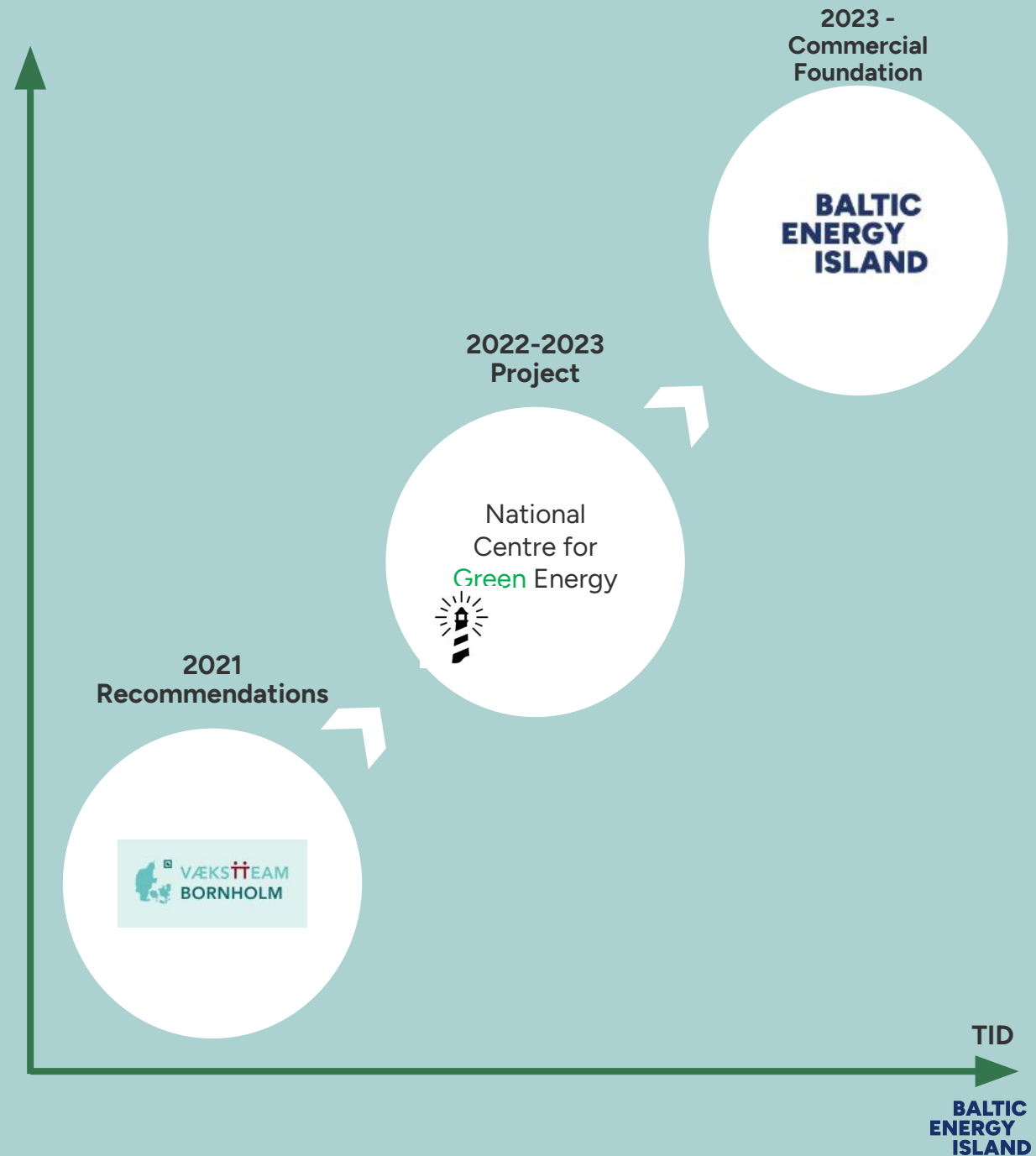
Kilde: Copenhagen Infrastructure Partners

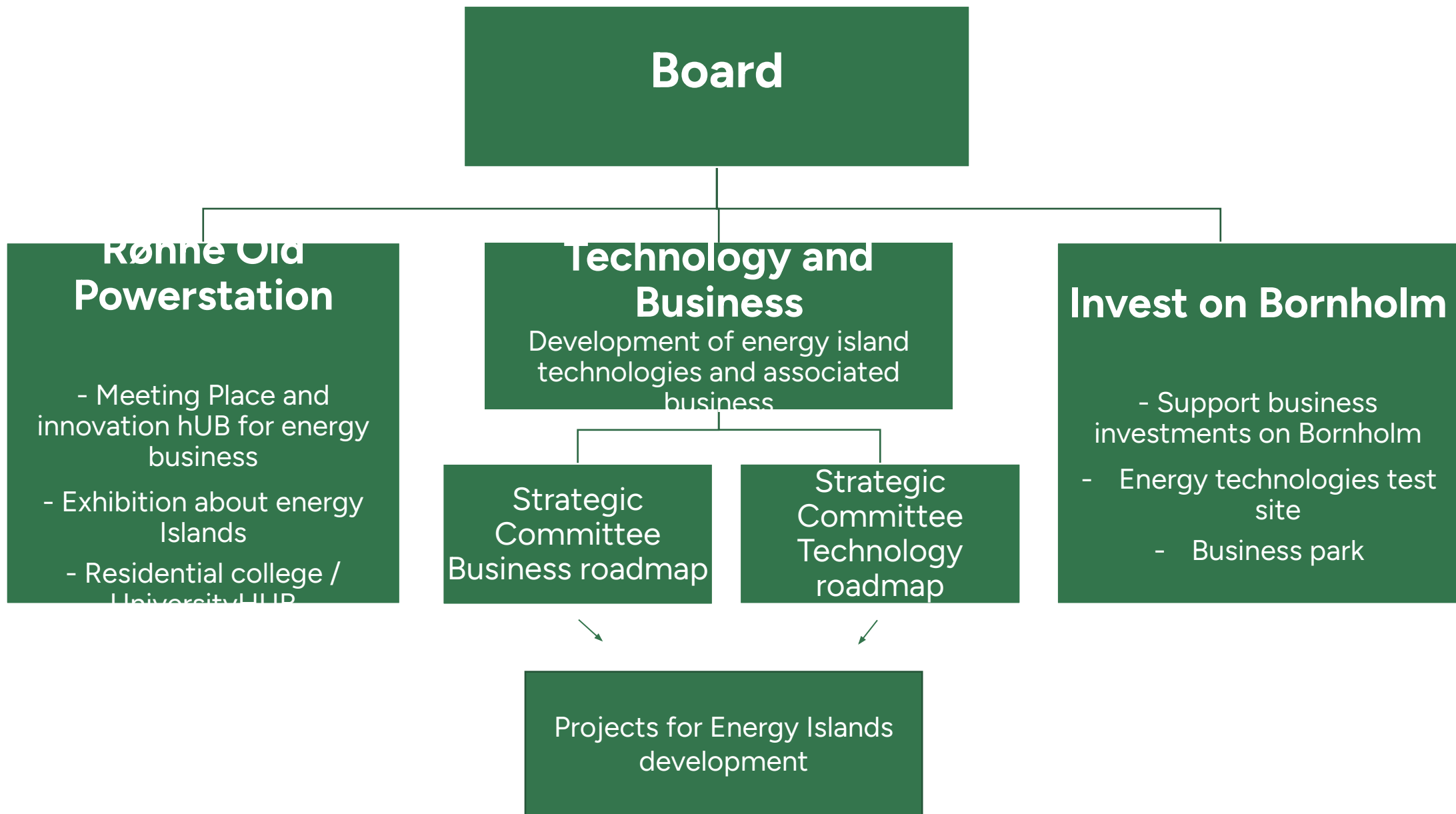


Kilde: Flow - making hydrogen happen

BALTIC ENERGY ISLAND

The purpose of Baltic Energy Island foundation is to develop Bornholm to the leading centre in Europe for test and implementation of innovative energy technologies and integrated energy systems necessary for achieving the green transition.





BALTIC ENERGY ISLAND

Bunker hub for green fuels based on P2X



Bunker Hub

HVDC til København

HVDC til Tyskland

Landanlæg

PtX anlæg

Energisystem med 100% vedvarende energi i el og fjernvarme

Udskibnings- og servicehavn for vindenergi i Østersøen

3,2-3,8 GW

Test centre for energy islands technologies

Test centre for smart energy technologies

Living house for energy exhibitions, innovation and collaboration

Establishing a residential college with DTU

Innovation hub for start-ups and other companies

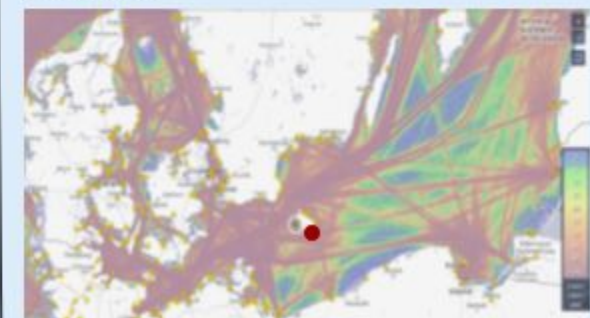
93 GW Havvindpotentiale i Østersøen



Planning Hydrogen grid



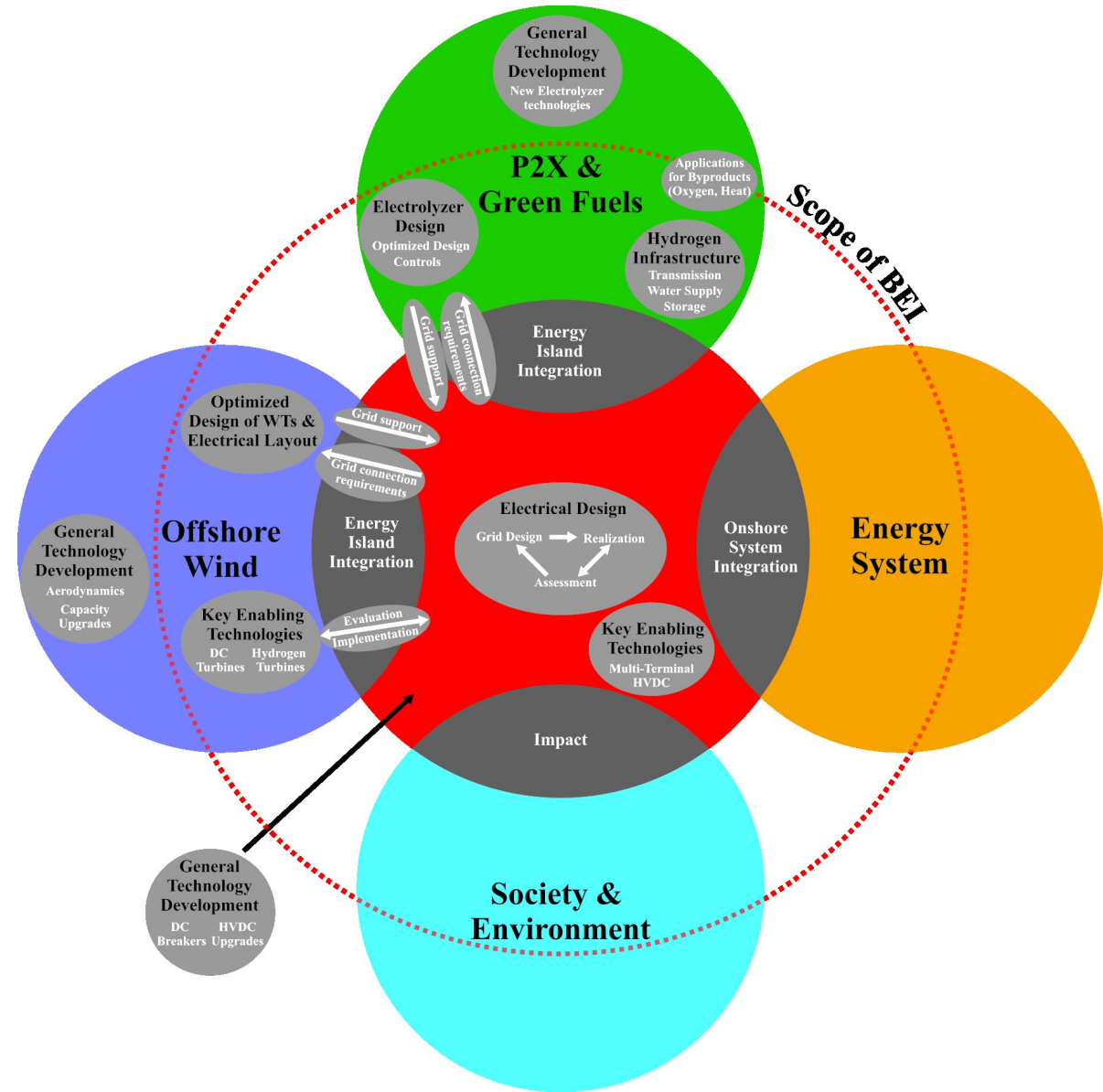
In the centre of 93 GW wind energy potential.



60,000 ships passing Bornholm each year.

Roadmap for Energy Island technology

- Overview of how the different technologies could be mapped into an energy island focused system.
- Here, the scope of BEI stretches beyond the links established to the energy island to incorporate elements that impact the design, operation and cost-efficiency of the energy island.
- The definition of the red line will be one of the responsibilities of the strategic committee



***Together, we
innovate the
new global
energy
system***

Read more: <https://balticenergyisland.com/>

**BALTIC
ENERGY
ISLAND**



A living house in the historic Rønne Elværk

Innovation hub /
Meeting place /
Showroom / Residential
college

The 1,500 m² building is from
1910-12 by the Danish architect
Anton Rosen.

To be renovated for 70-80M DKK.

