

VATTENFALL



Introduction



100%

Owned by the Swedish State



7.1 million

Electricity customers



1.0 million

Electricity network customers



1.8 million

Heat customers



2.4 million

Gas customers



18,883

Employees

Strategy

Our milestones towards fossil-free living within one generation



2023

Electric charging for 1 billion fossil-free kilometers annually

2024

750 MW of additional, flexible hydro capacity

2025

Reduce CO₂ intensity by 43% from 2017
Fossil-free electricity to power 30 million homes
7 TWh renewable energy through corporate PPAs

2026

HYBRIT partnership has reached full-scale fossil-free steel production

2030

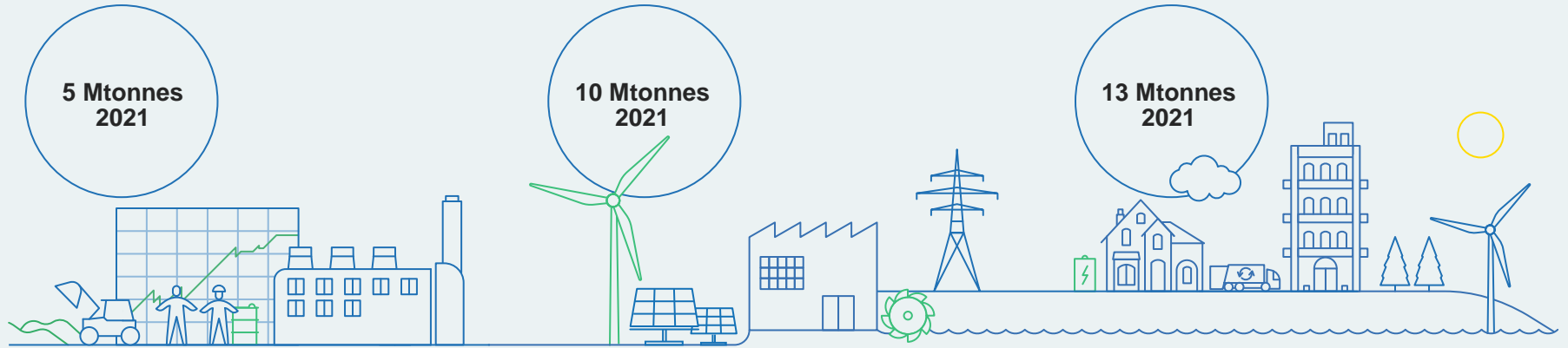
Reduce CO₂ intensity by 77% from 2017
Phased out coal
We operate a bio-carbon capture and storage plant

2035

We are not done, more to come ...

Sustainability

Cut CO₂ emissions throughout the value chain



Suppliers

Supplier dialogues and sustainability requirements in tenders

Lifecycle Assessments

Industry collaborations

Own operations

Reducing emissions in line with climate science

Growth in renewables

Reducing emissions from employee travelling

Customers

Climate smart solutions for homes and cities

City partnerships

Environmental product offerings



Accelerating the rollout of renewables energies - The deployment of offshore wind energy

Claire Sandevor, Vattenfall
February 2nd, 2023

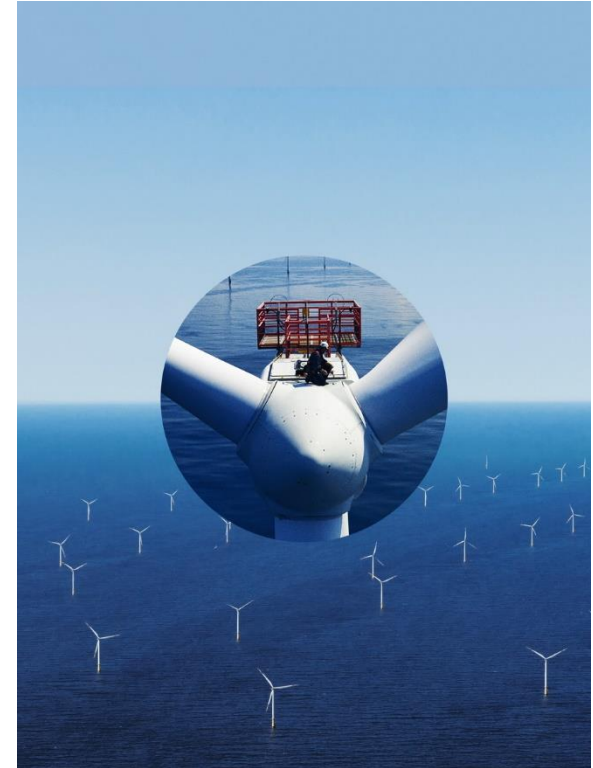
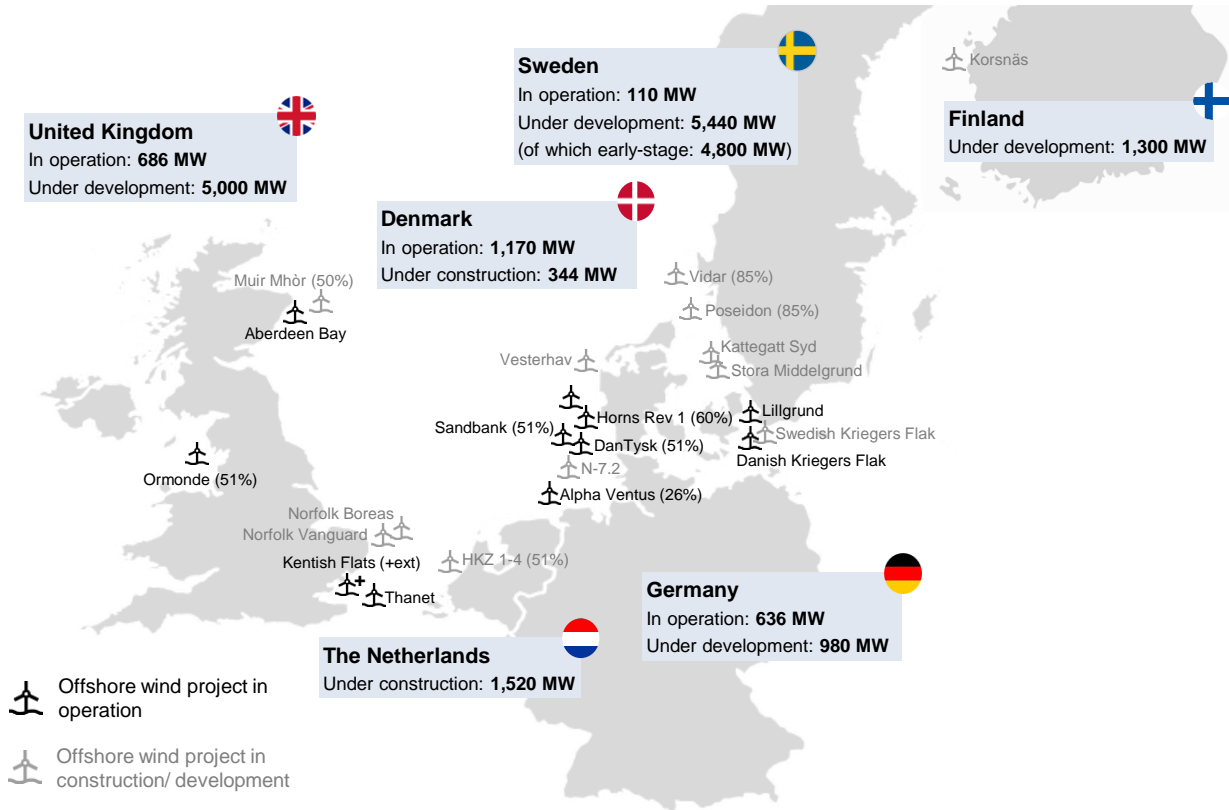


**“RePowerEU is our plan to break
our dependency on Russian gas,
and to find freedom in our energy
choices”**

Frans Timmermans, Executive Vice-President, April 2022

A leader in the European offshore wind market

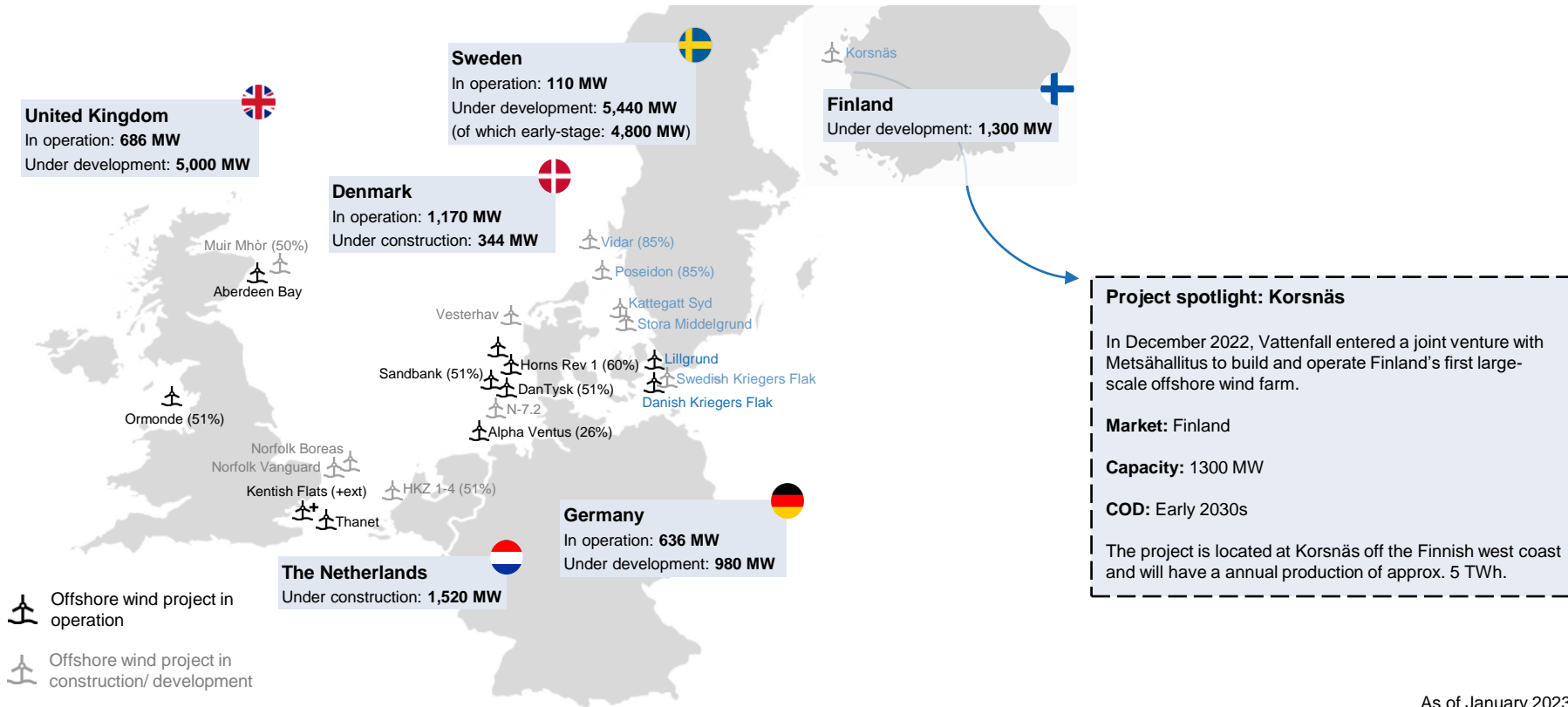
Offshore wind, an opportunity to support the electrification of industry



As of January 2023

Zoom on our pipeline in the Baltic Sea

Offshore wind, an opportunity to support the electrification of industry



Several challenges stopping offshore wind to materialize in Sweden

Grid connection challenges

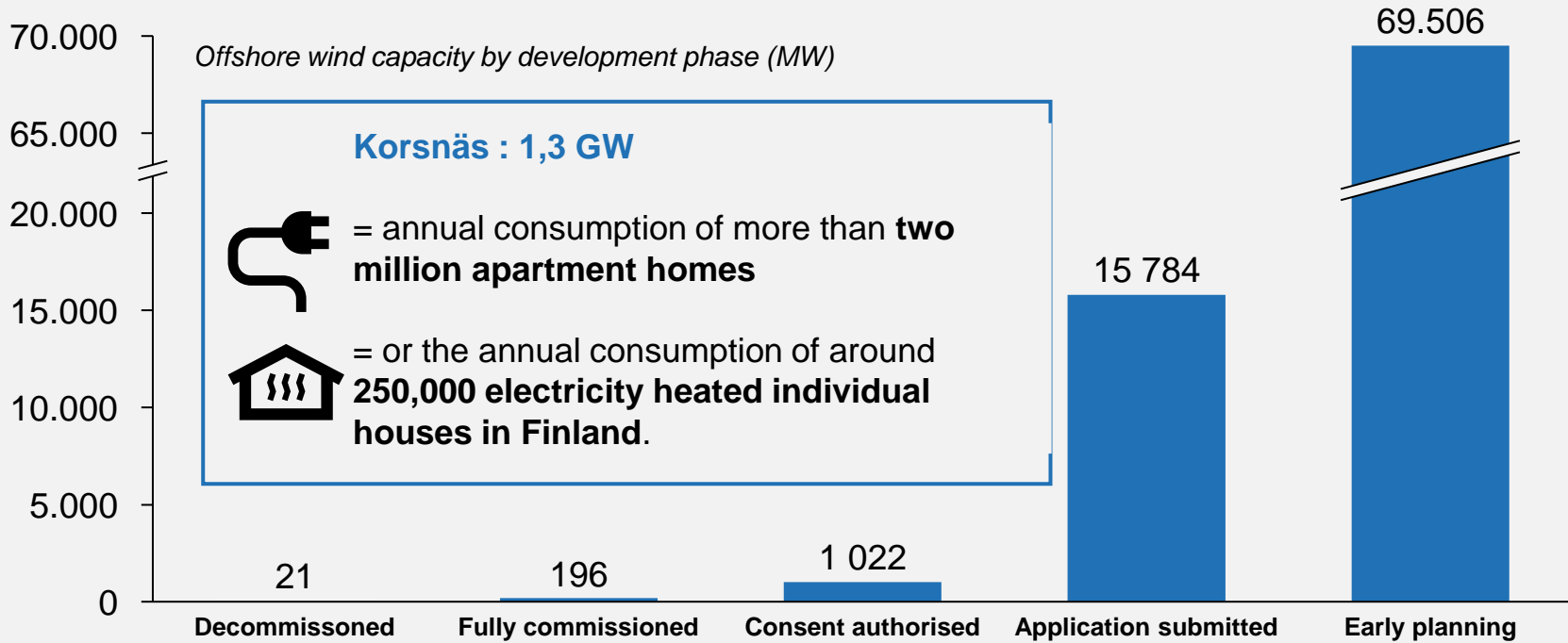
Complex permitting procedures

Conflicting interests

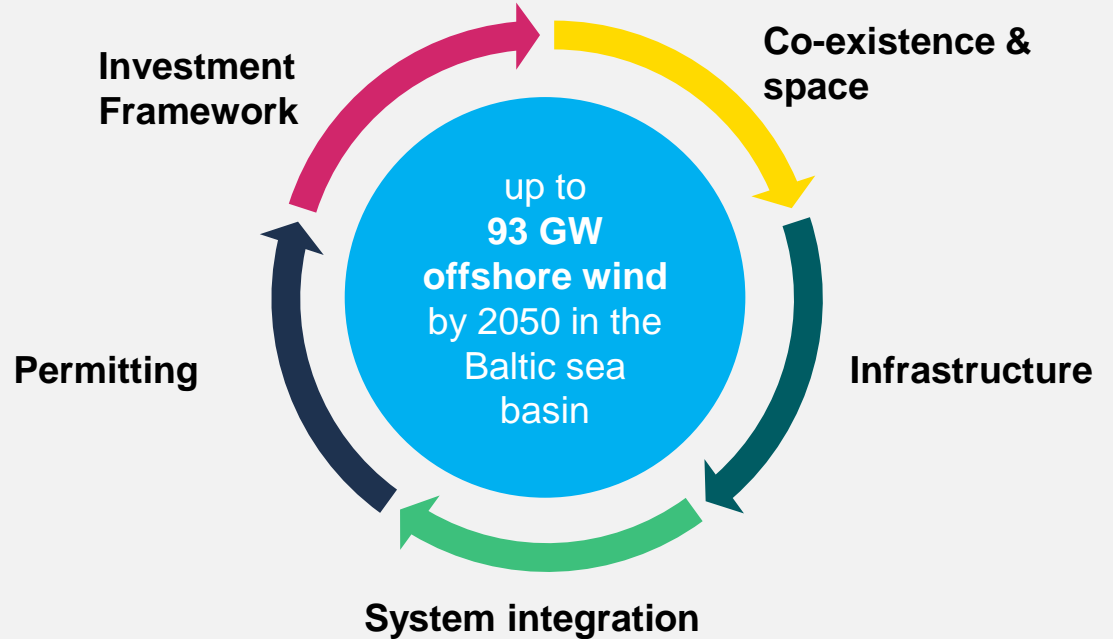
... and lessons for the roll-out in Finland

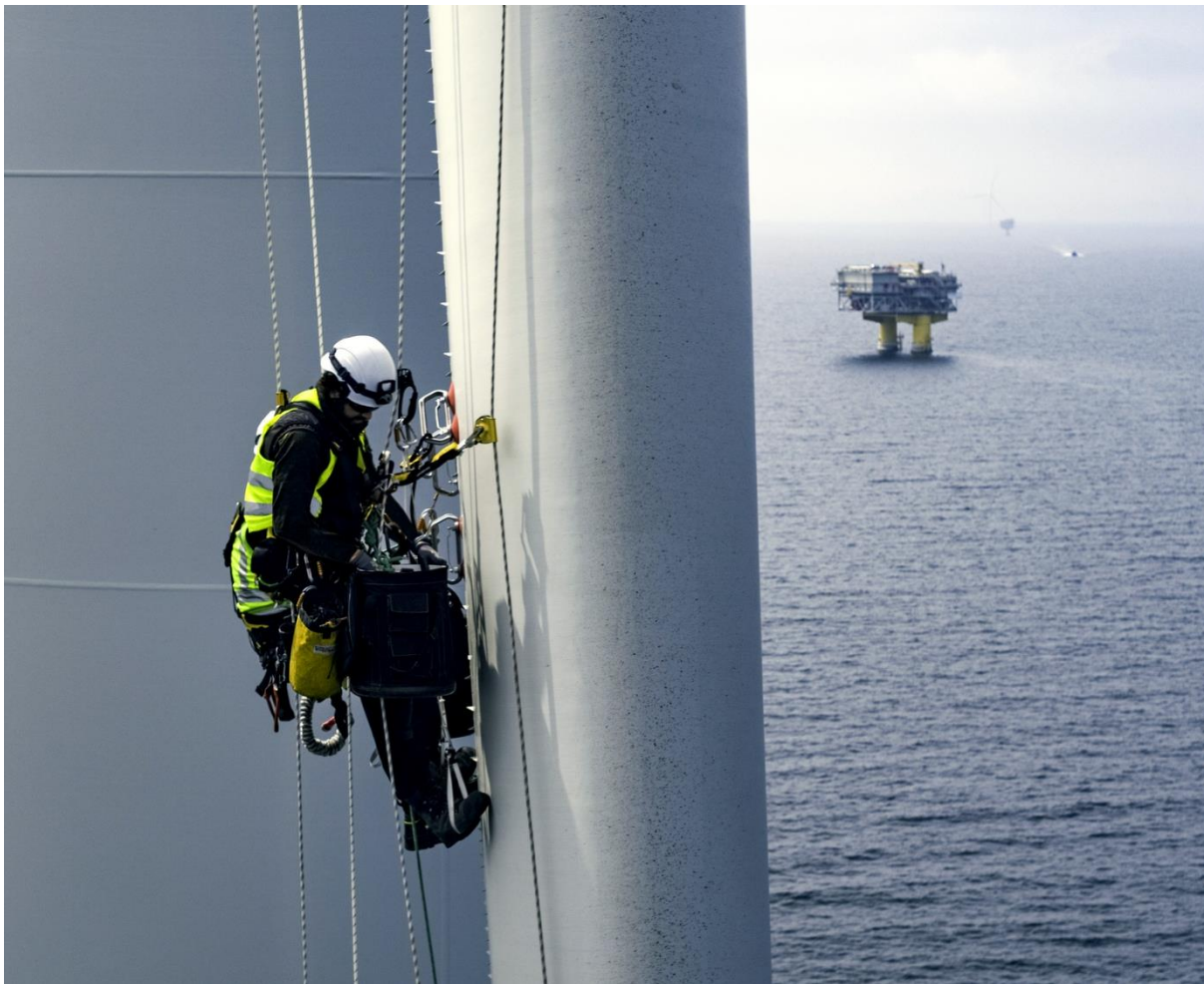
The Swedish offshore wind pipeline

Sweden is seeing a surge in offshore wind developments, with over 15GW of projects in the permitting process and nearly 70GW of projects in early development



We have identified five pillars to be addressed to enable significant growth in wind to reach decarbonization objectives





Contact

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