HAVVINDKONFERANSEN 2019

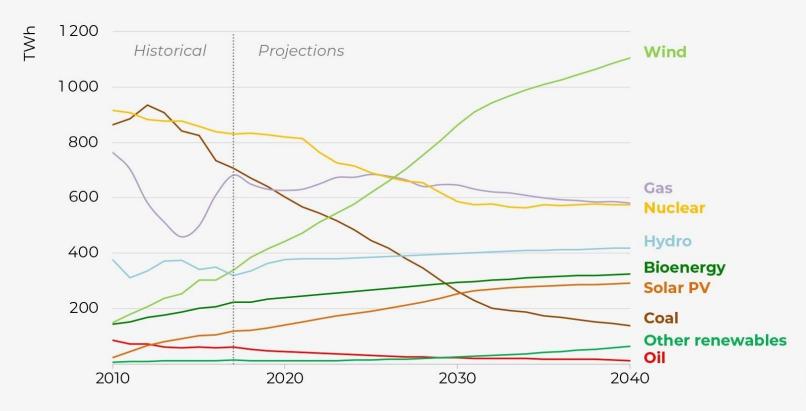
STRATEGIC BENEFITS OF AN EARLY MARKET ENTRY

Giles Dickson, CEO, WindEurope



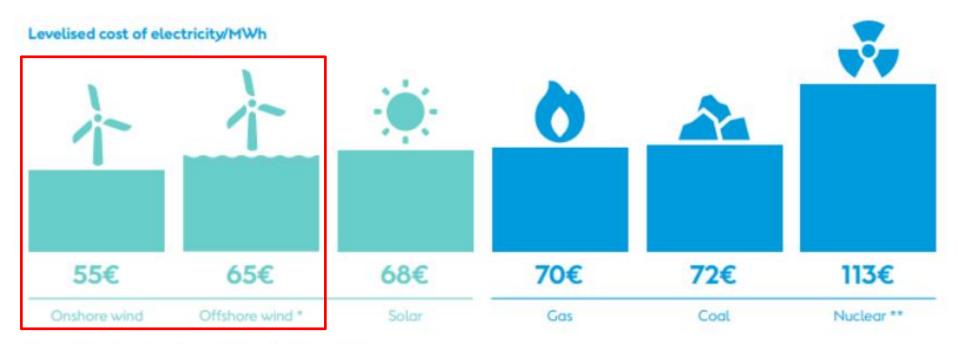
Wind the no. 1 power source in the EU by 2027

Electricity generation by source in the European Union in the NPS, 2010-2040 World Energy Outlook 2018





Wind the cheapest form of new power generation



Source: Bloomberg New Finance (2016-prices), Year of FID.

Prices reflect North Western European market conditions, which express a global trend. Specific prices may vary across regions.

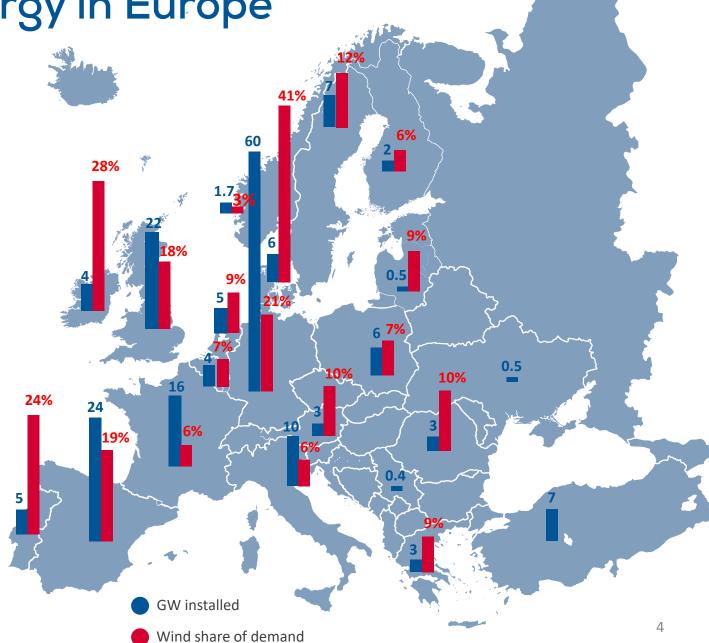
* Offshore: Hornsea 2, UK (cost including transmission) ** Nuclear: Hinkley Point, UK



Wind energy in Europe

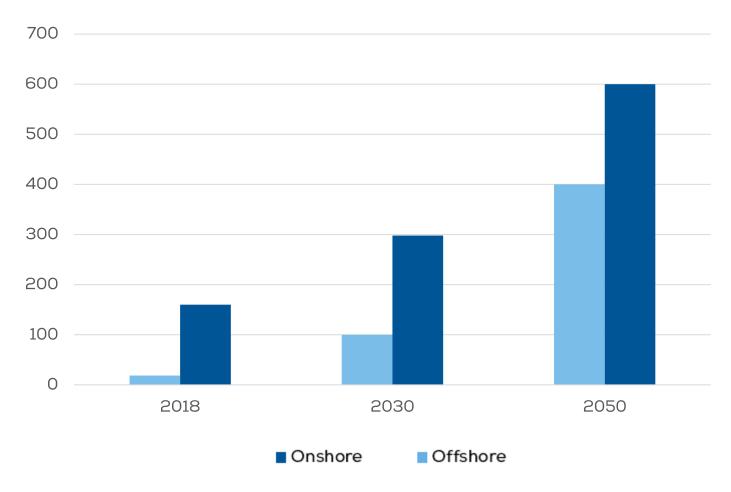
194 GW

14% of 2018 EU power demand





Onshore wind remains the bulk of Europe's wind capacity

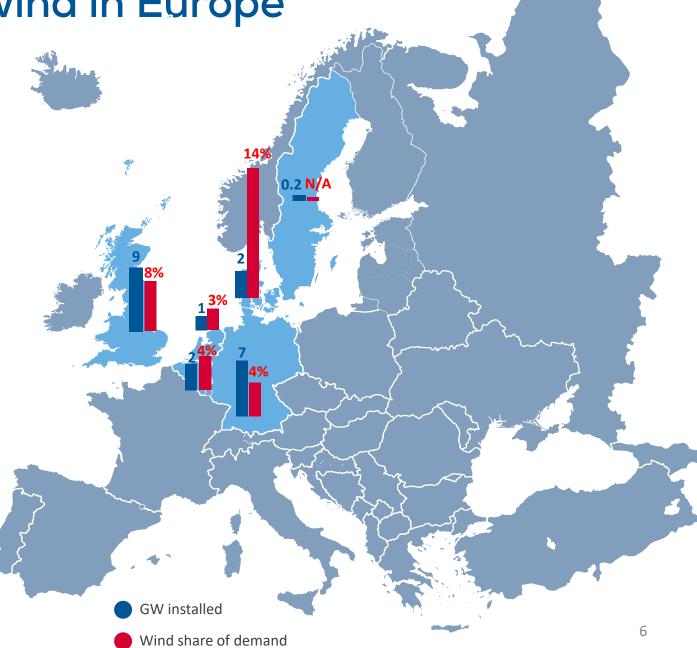




Offshore wind in Europe

20 GW

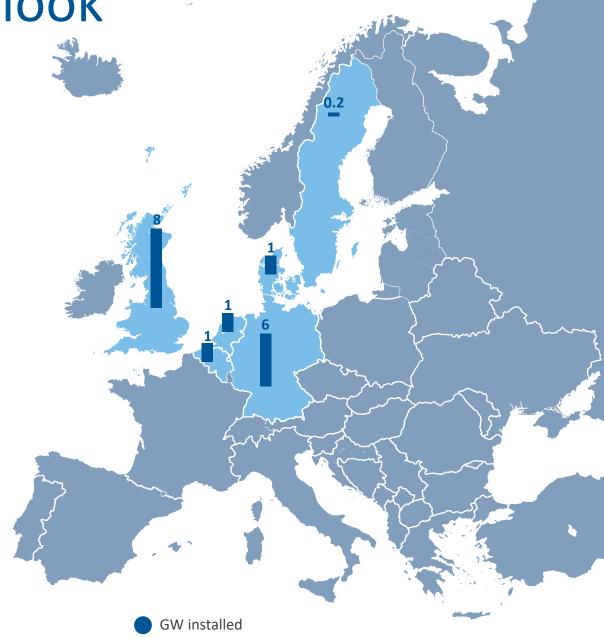
2% of 2018 EU power demand





Offshore outlook

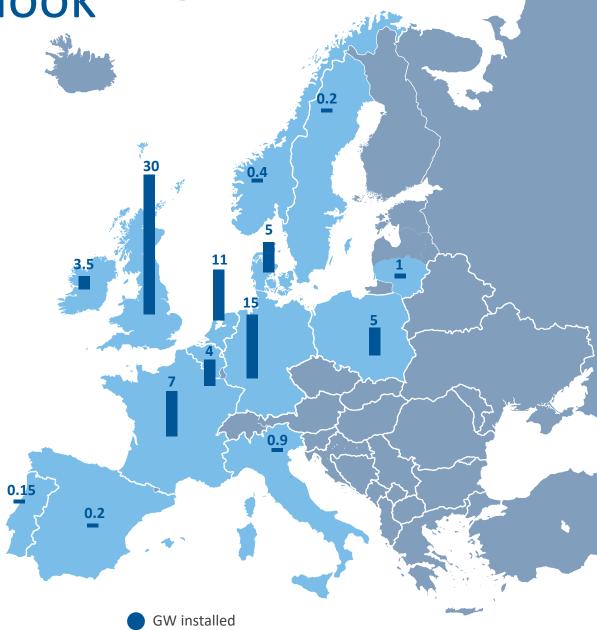
2018



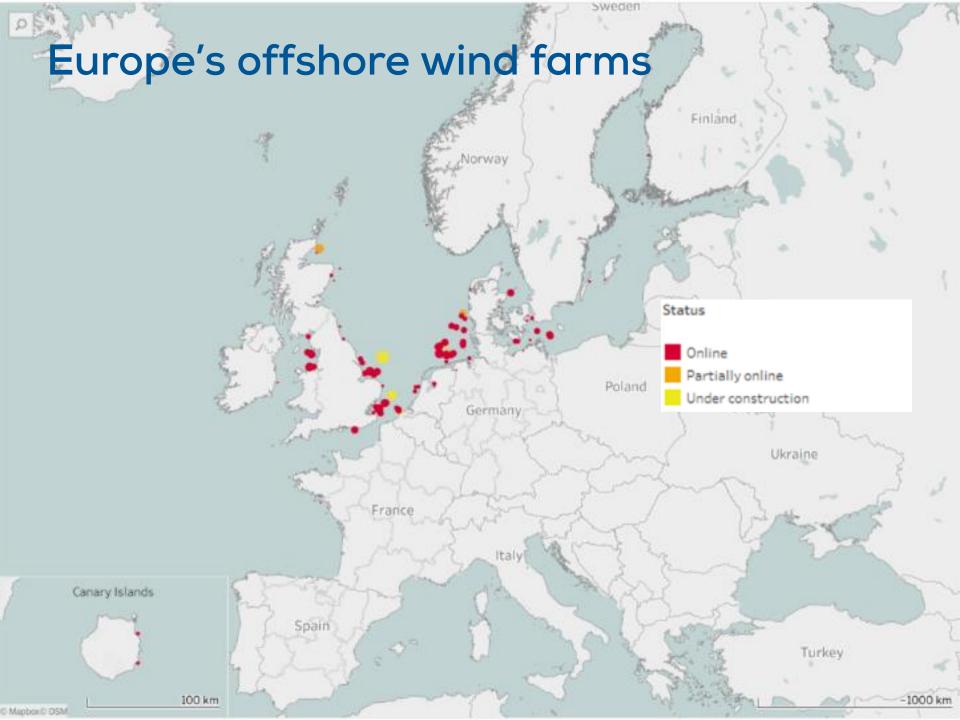


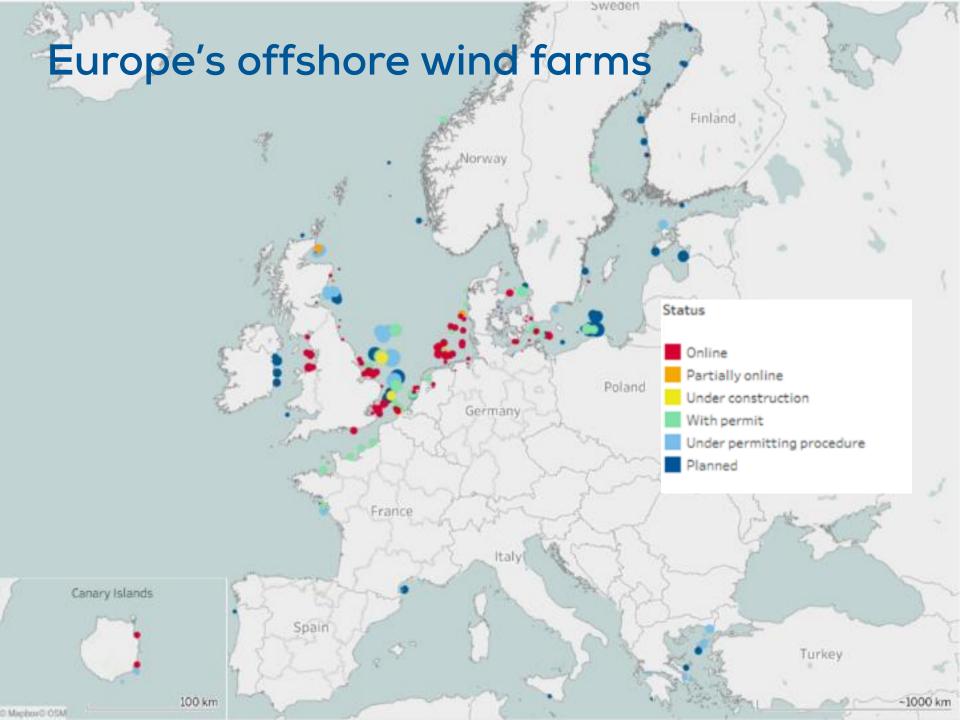
Offshore outlook

2030

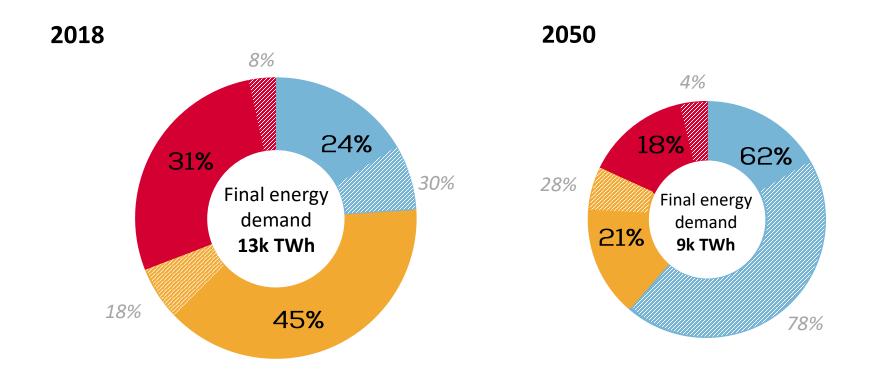








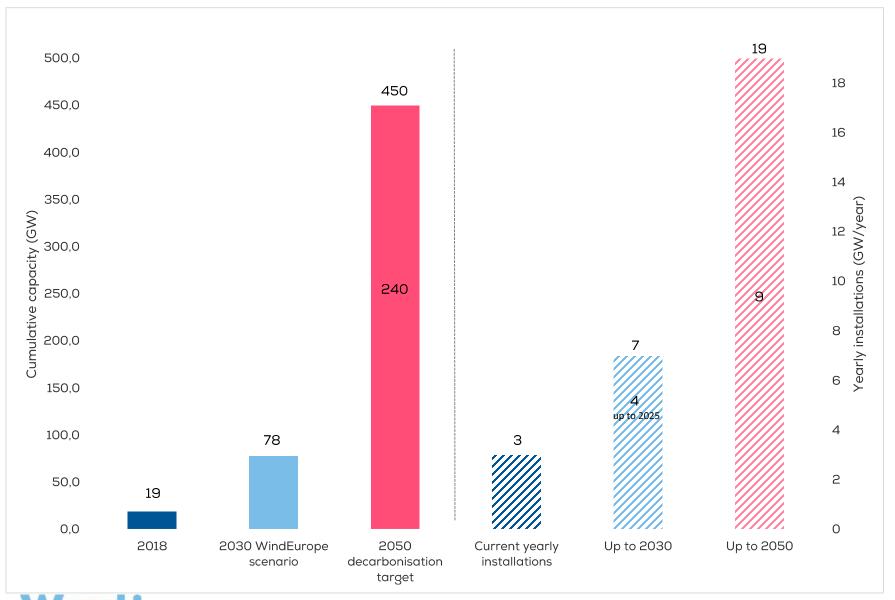
Electrification will increase demand



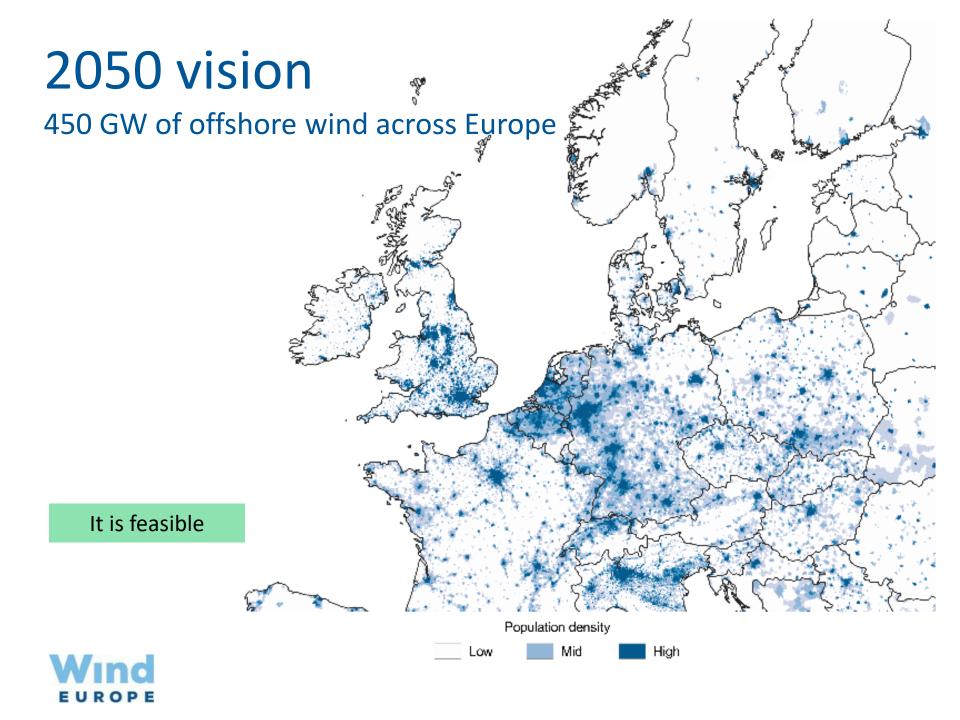




The expansion of offshore wind to 2050







Highest capacity factors in Norway

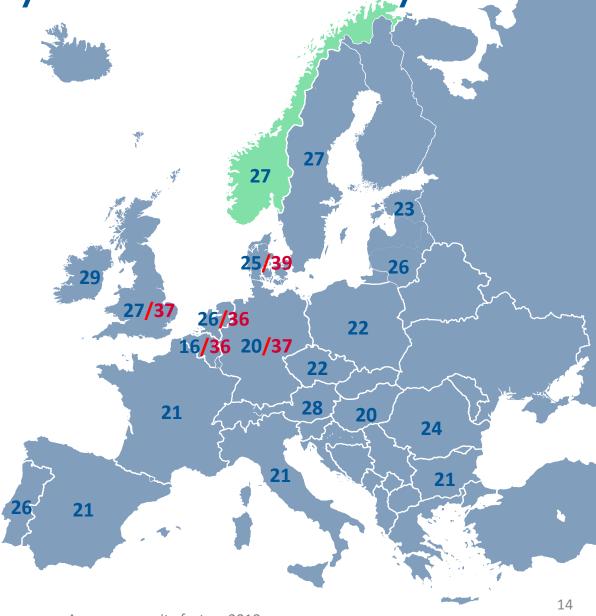
Europe's average:





offshore



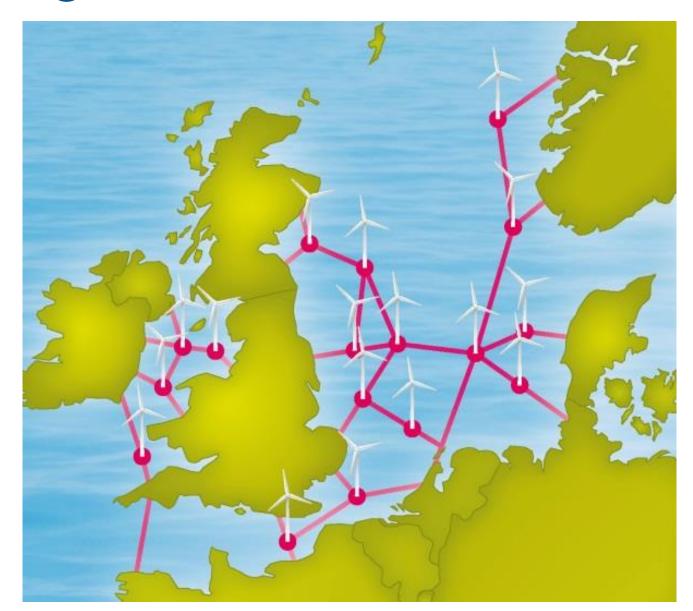


North Sea Super-Grid

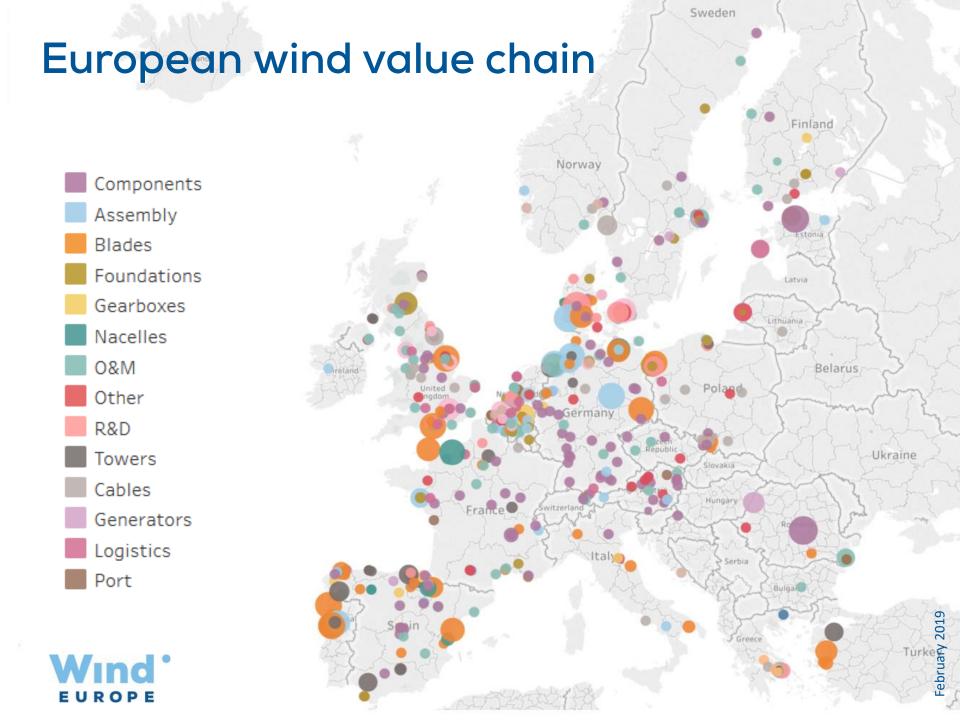




North sea grid











Basque Country, Spain



