

HAUGESUND 6. AUGUST 2024
ENERGIRIKE KONFERENCE

Industripolitik at a crossroads

About Green Power Denmark

Represents 1500 members, 800 cooperative members

A result of a merger of three major industry associations in 2022

Green Power Denmark is the voice of the entire energy value chain from the manufacturers of a screw in a wind turbine, to smaller turbine owners, bigger producers of renewable energy and companies that sell power to the consumers

125 employees with the former Danish Foreign- and Finance Minister as CEO

Offices in Copenhagen, Aarhus and Brussels

Facts about the Danish energy sector

63% of the Danish electricity consumption was supplied by wind and solar in 2023

Approx. 100.000 people are employed in the Danish Energy sector.

The green transition requires 45.000 additional workers per year between 2023-2030

The total Danish electricity consumption in 2023 was 36,1 TWh – an increase of 2% compared to 2022

In 2022, Denmark exported Energy Technology and services worth USD 15,4 billion.

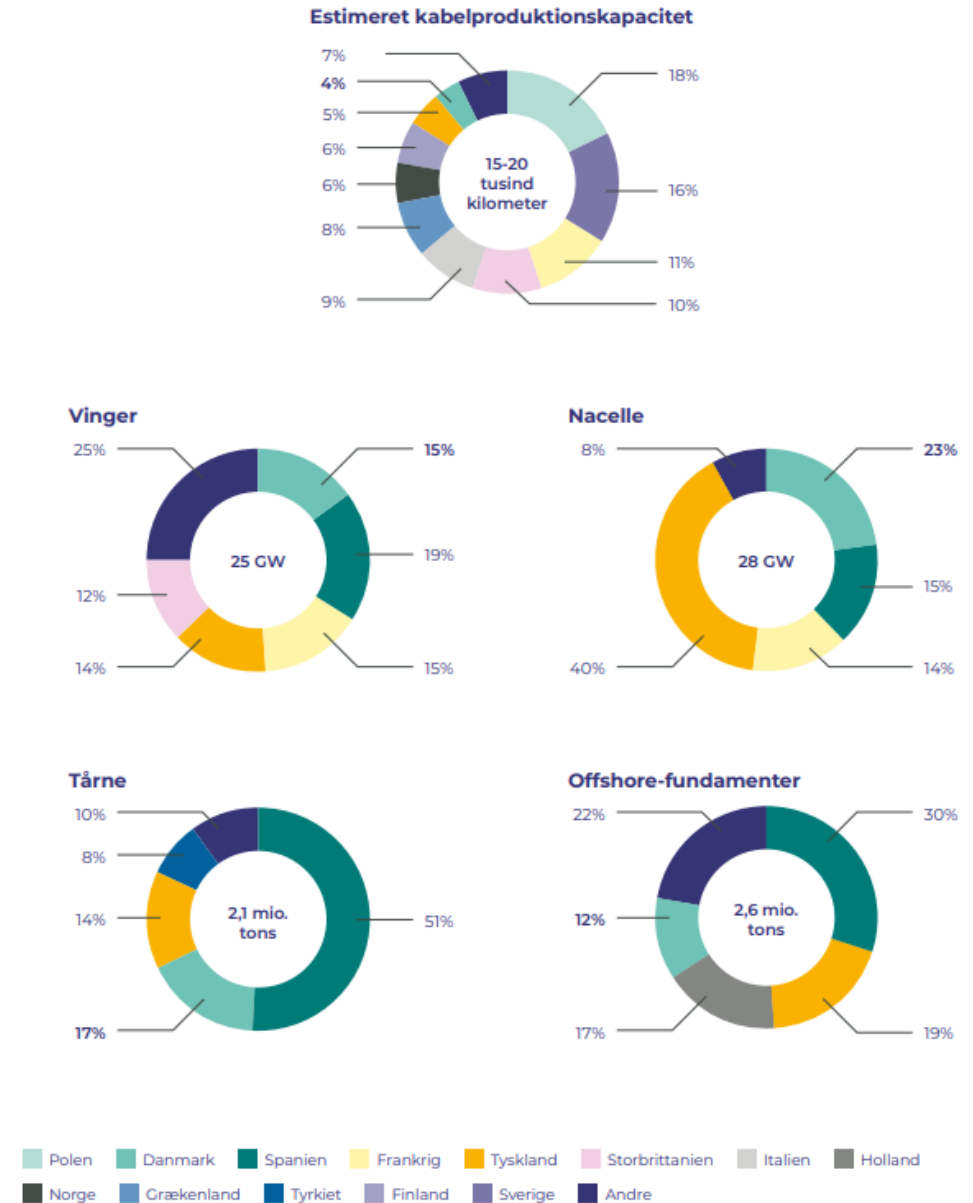
Wind Energy technology exports alone 6,7 billion USD

The Danes have electricity plugged in 99,996% of the time

Fra modgang til medvind – succesfaktorer for grøn industri

Stronghold to be preserved and developed

Figur 2: Danmarks nuværende andel af den samlede, europæiske produktion af udvalgte teknologier



Kilde: Rystad Energy – The State of the European Wind Energy Supply Chain (april 2023).



Policy makers are attempting to make a level playing field for Western turbine OEMs

[Climate & Energy](#) | [Grid & Infrastructure](#) | [Wind](#) | [Clean Energy](#) | [Fuel Oil](#)

EU to investigate Chinese wind turbine suppliers

By [Philip Blenkinsop](#) and [Tassilo Hummel](#)

April 9, 2024 6:43 PM GMT+2 · Updated 16 hours ago



European Commissioner for Europe fit for the Digital Age Margrethe Vestager attends a press conference presenting plans to boost the European Union's arms industry in Brussels, Belgium March 5, 2024. REUTERS/Yves Herman/File Photo [Purchase Licensing Rights](#)

Plus the US IRA that adds pressure on the European green energy industry

Source: Rystad Energy research and analysis; Reuters

6. AUGUST 2024
ENERGIRIKE KONFERENCE

Green Power Denmark's Industrial Policy

Are the framework conditions fit for purpose to retain a strong local industry ecosystem?

- Political focus and support – green transition and electrification
- Local supply chain with global ties
- Stable and secure green energy supply for consumers (must be reliable and competitive)
- Reliable market demand
- Strong R&D – from basic research to test
- Access to risk finance
- Access to qualified and flexible workforce
- Build out energy infrastructure to support electrification

Industripolitisk udspil oktober 2023

Anbefalinger til en national strategi for den grønne energiindustri

- ↳ En national strategi for den grønne energiteknologiindustri
- ↳ Danske målsætninger for industriel produktionskapacitet
- ↳ Danmark skal udnytte de lempede statsstøtteregler fra EU
- ↳ Målrettet finansieringsstøtte til en robust grøn energiteknologiindustri
- ↳ Infrastruktur der understøtter grøn omstilling og danske virksomheders konkurrenceevne
- ↳ Danmark skal have testfaciliteter i verdensklasse
- ↳ Sikker adgang til råvarer og materialer
- ↳ Arbejdskraft til den grønne omstilling
- ↳ Danmarks eksport af grøn energiteknologi og -services skal øges



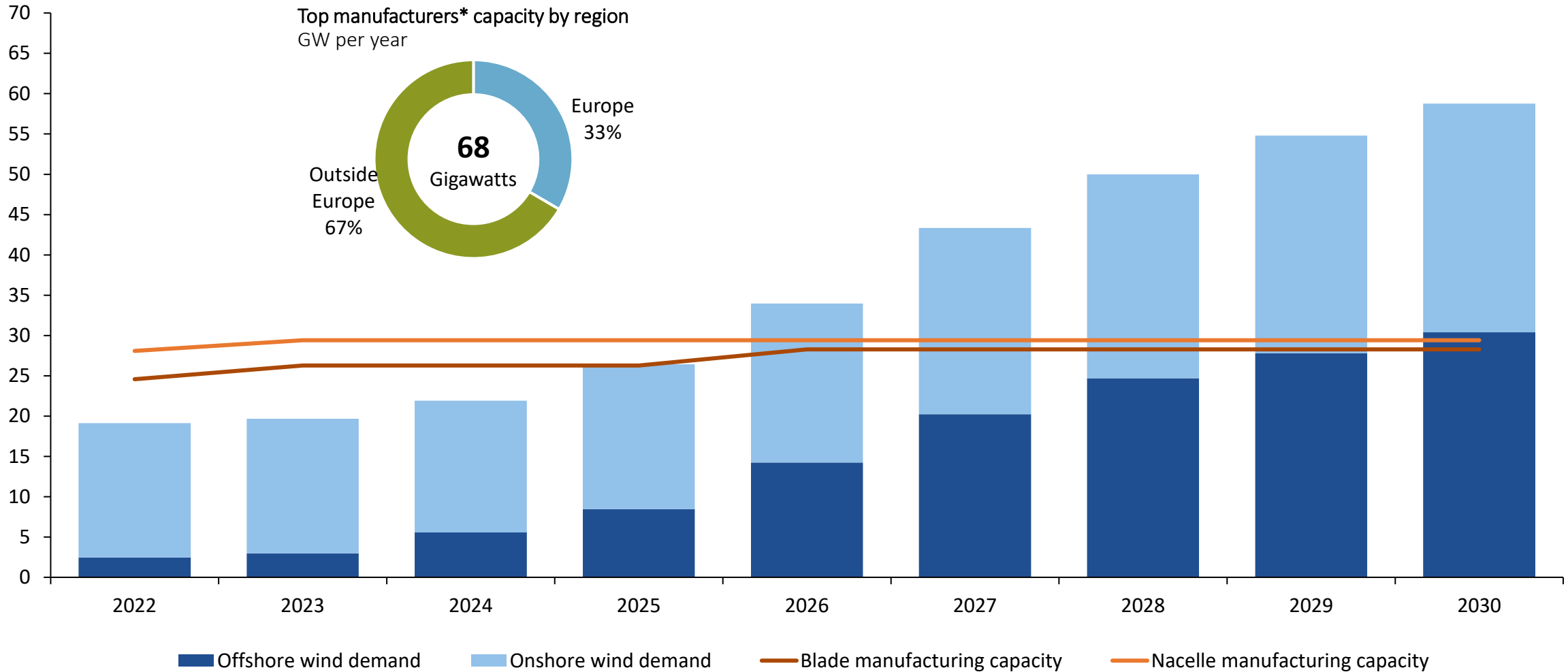


GREEN
POWER
DENMARK

European demand to outpace supply by 2026 – overall supply needs to be doubled by 2030

Wind turbine manufacturing capacity and demand in Europe

Gigawatts (GW)

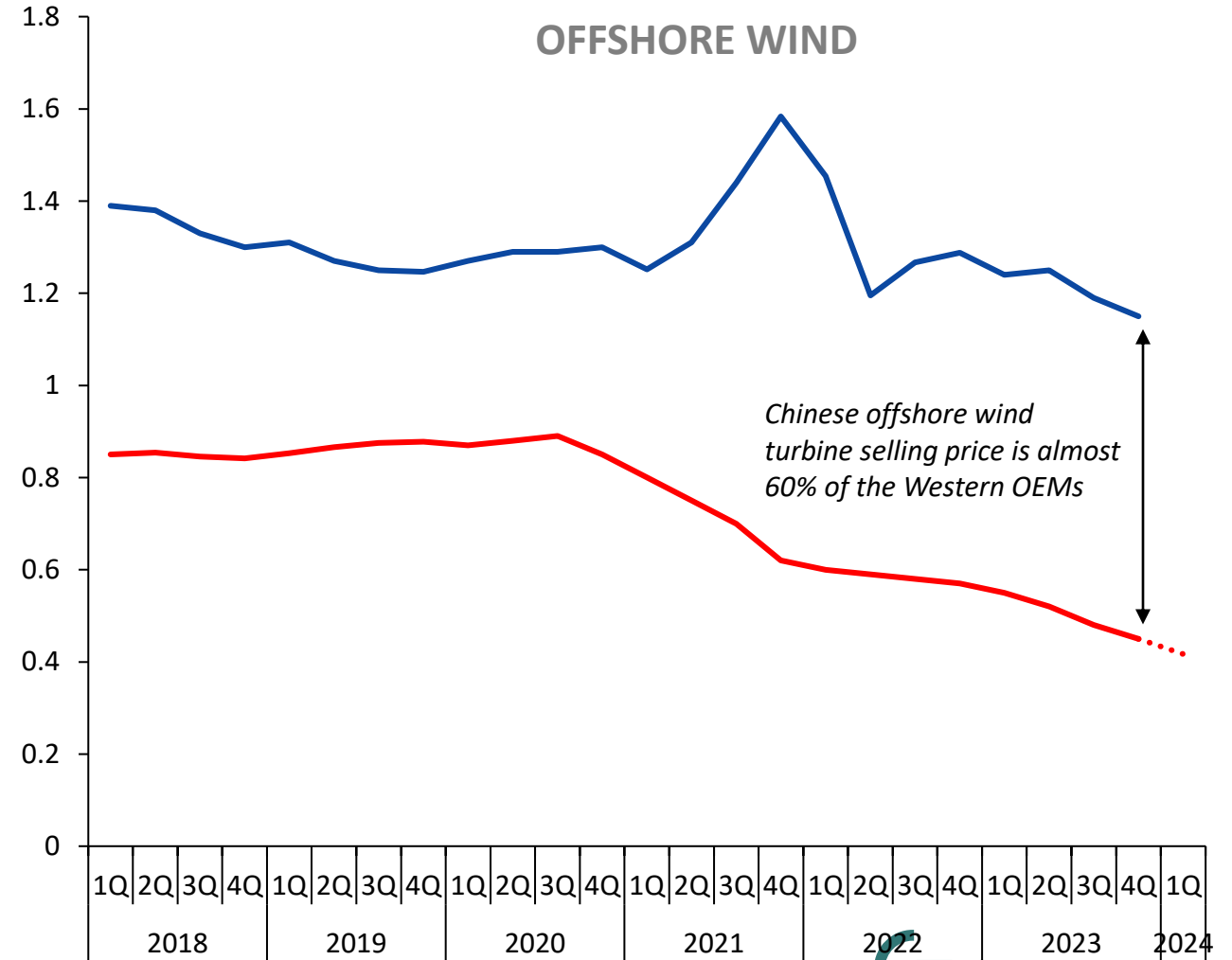
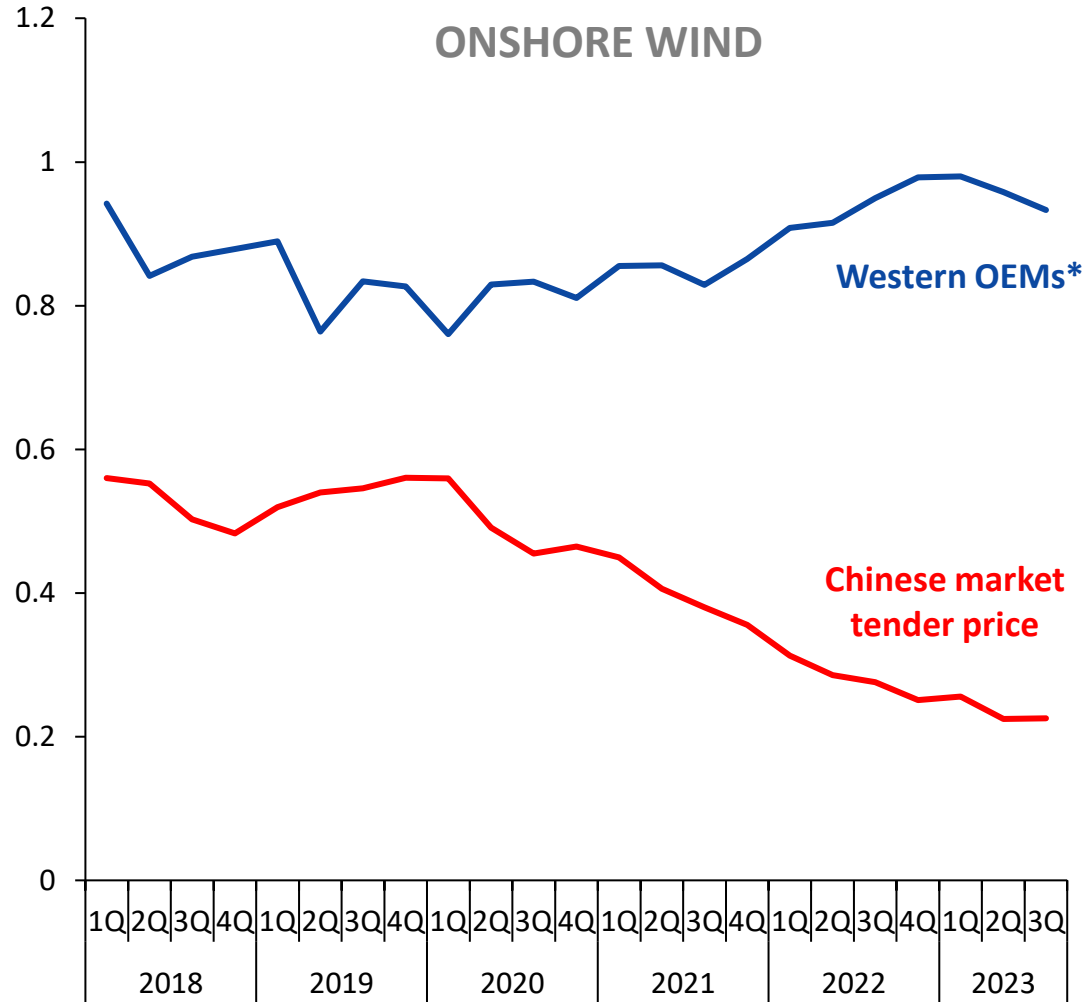


*Top manufacturers include Vestas, Siemens Gamesa, GE, Nordex, and Enercon.

Sources: Rystad Energy research and analysis; Companies' annual reports and websites.

Western OEMs far from bridging the gap with their Chinese peers

Reported average wind turbine selling prices*
USD per Watt



**Western OEMs include Vestas, Nordex, Siemens Energy for onshore wind, and Vestas and Siemens Gamesa for offshore turbines

Source: Rystad Energy Wind Supply Chain Analysis Dashboard; Rystad Energy research and analysis.