OFFSHORE WIND: Establishing a European supply chain and lessons learned

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windeurope.org

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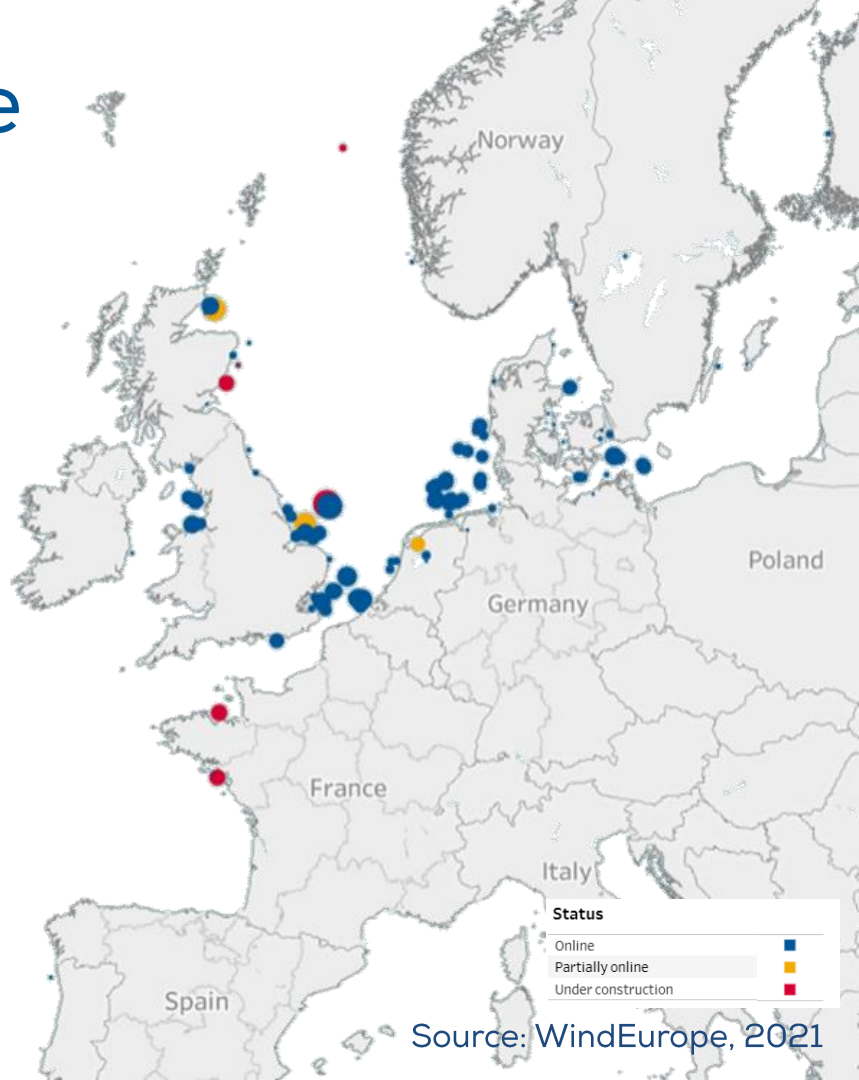
Offshore wind in Europe

26.3 GW in Europe

5,566 turbines

120 wind farms

12 countries



Source: WindEurope, 2021

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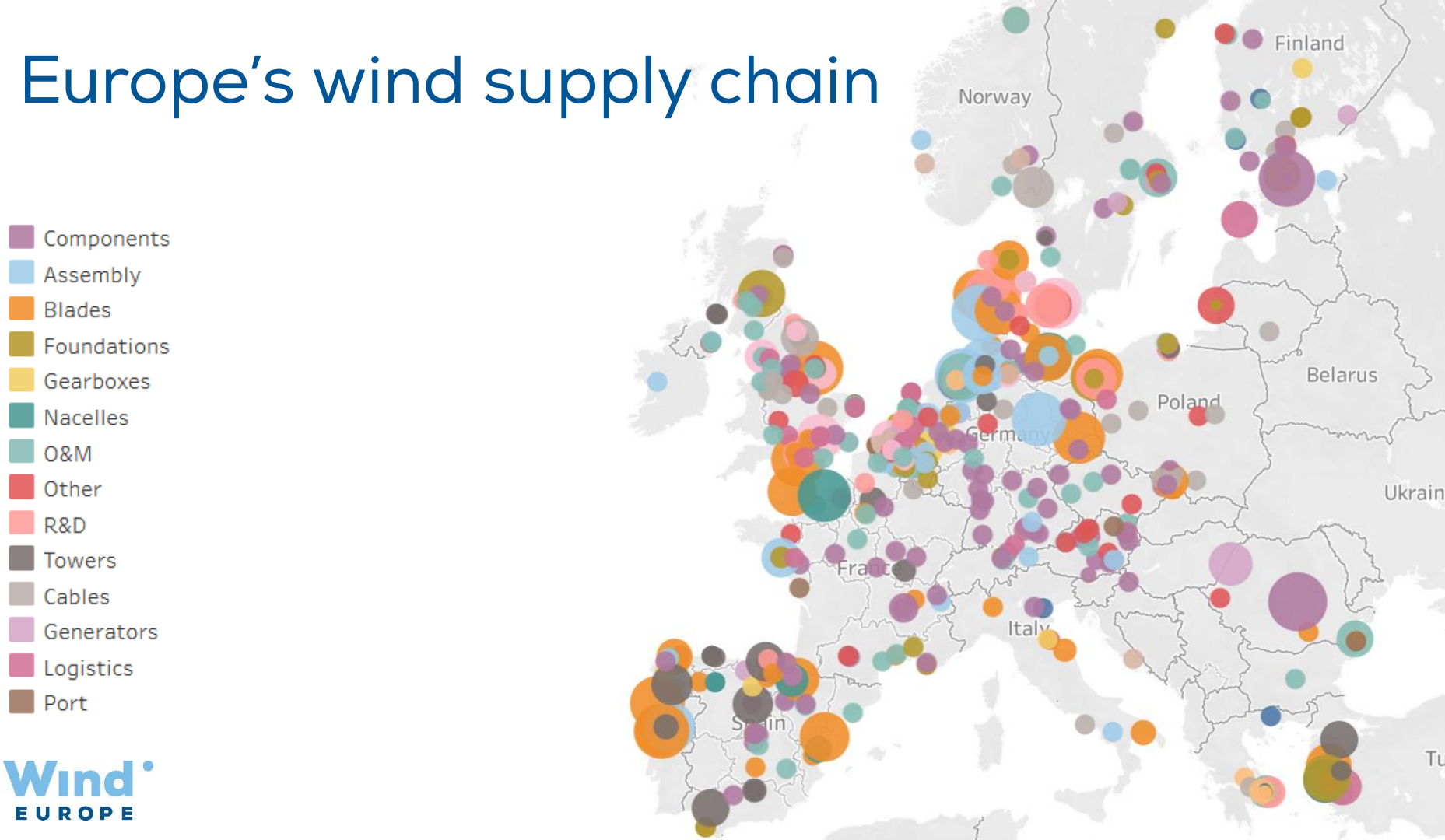
Europe's wind supply chain



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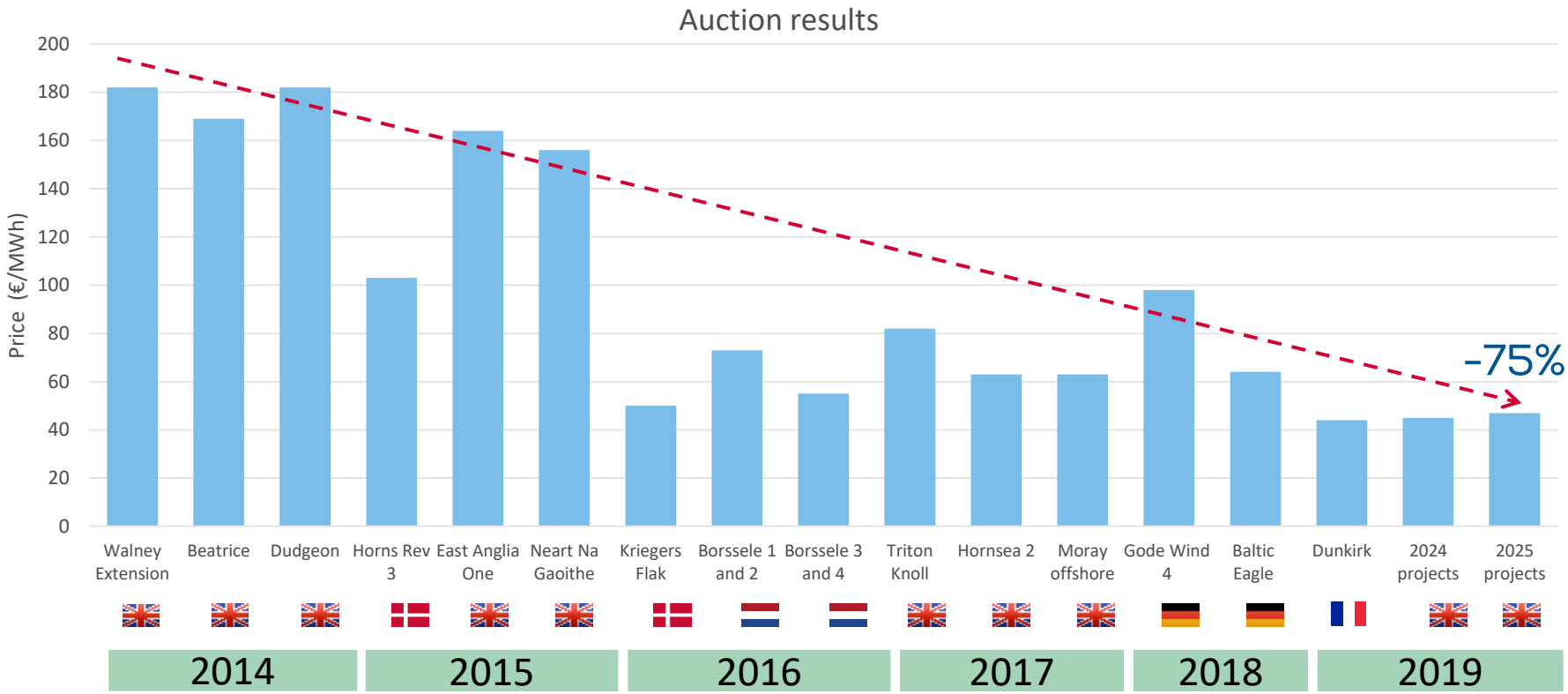
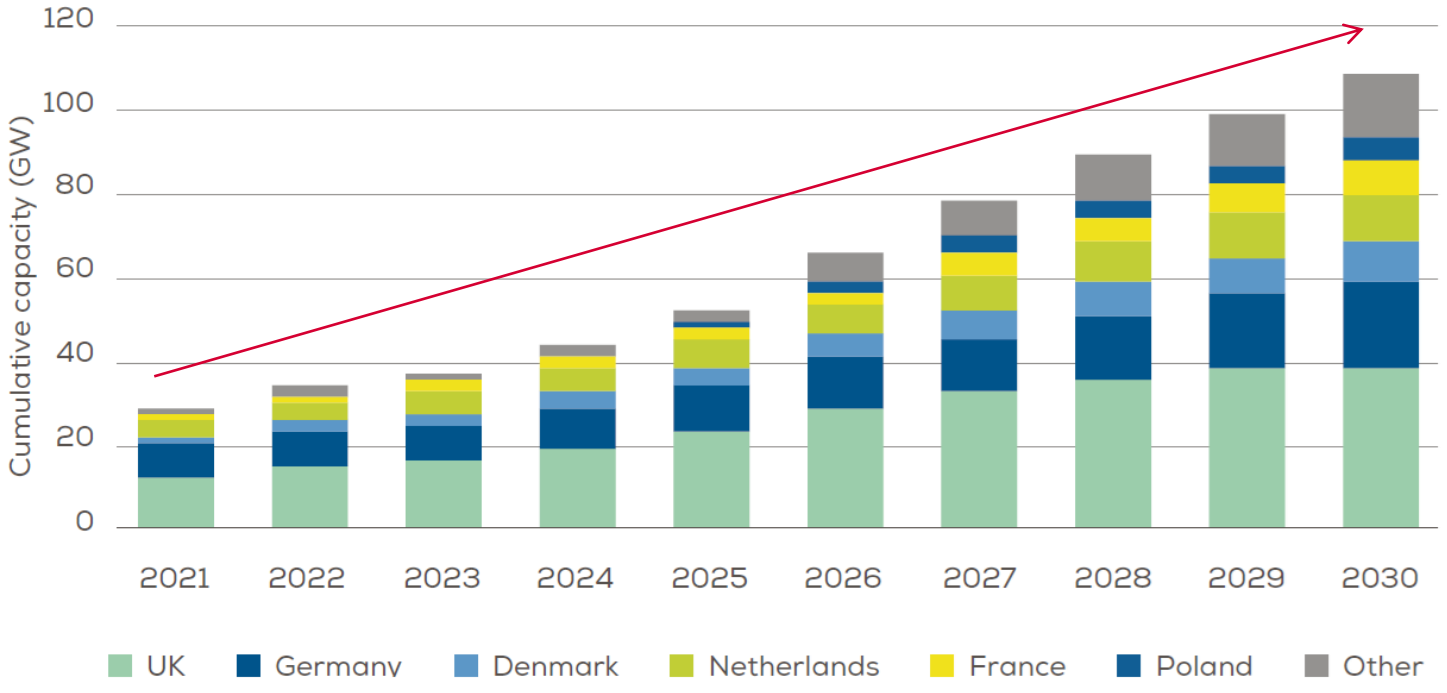
Cost of offshore wind continue decreasing



Source: WindEurope, February 2020

Offshore Wind capacity increase four-fold



Source: WindEurope

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More information:
windeurope.org/report/ports2030

Source: WindEurope, 2019
Wind Energy and Economic Recovery

77,000

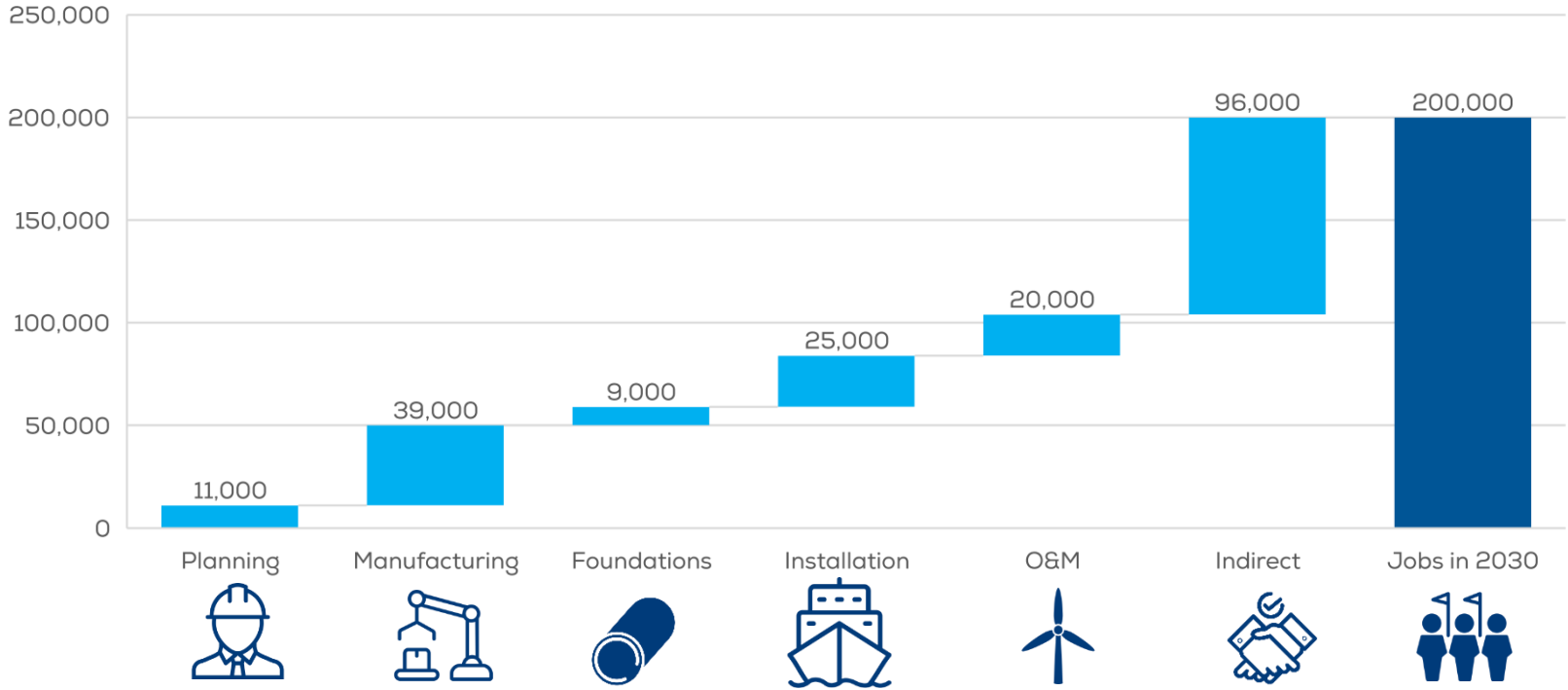
offshore jobs in Europe today

200,000

offshore jobs in Europe in 2030

Source: WindEurope, 2020. NECP Scenario Wind Energy and Economic Recovery

Across the offshore wind supply chain



Source: WindEurope, 2020. NECP Scenario
Wind Energy and Economic Recovery

We have now a dedicated offshore wind supply chain


Source: Van Oord


Source: Prysmian


Source: Ørsted


Source: Smulders


Source: Seajacks

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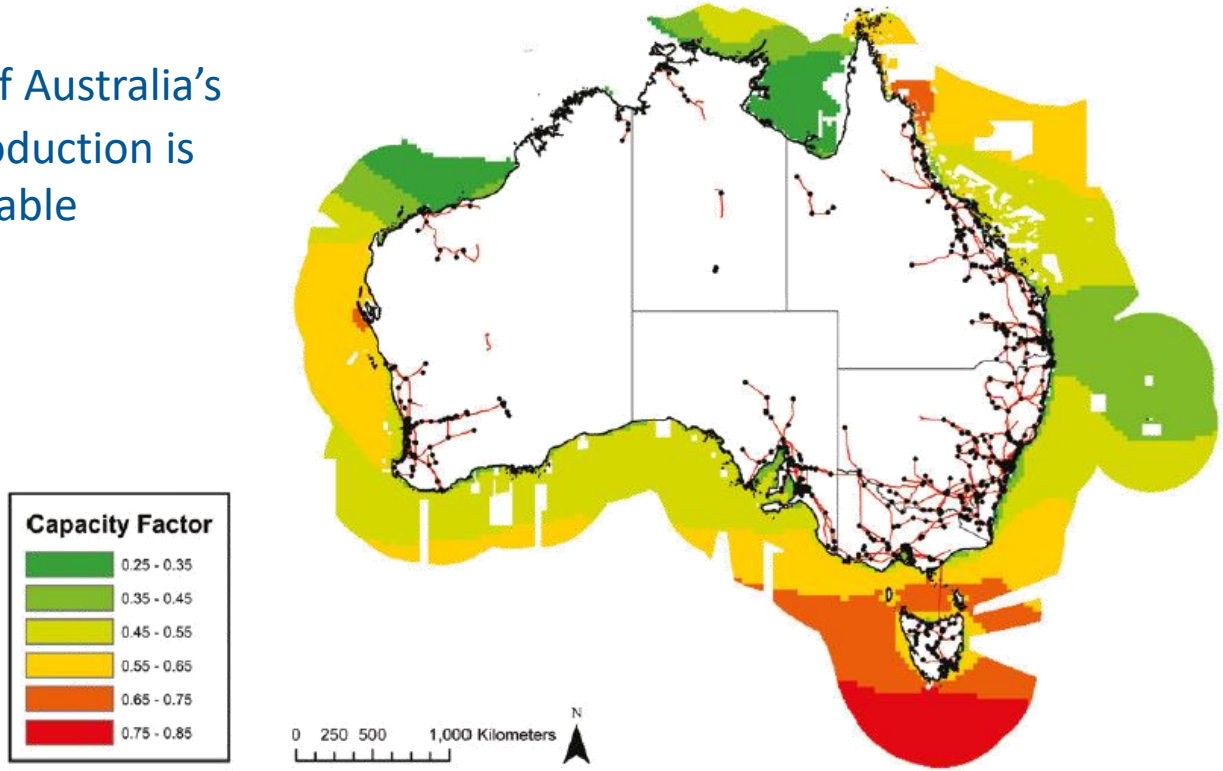
Offshore wind makes sense in Australia

>90% of Australia's energy production is not renewable



Source: Offshore Wind Energy in Australia: Blue Economy Cooperative Research Centre, Launceston

Put offshore wind in the energy plan

60 GW by 2030
300 GW by 2050

Making offshore wind available to all regions

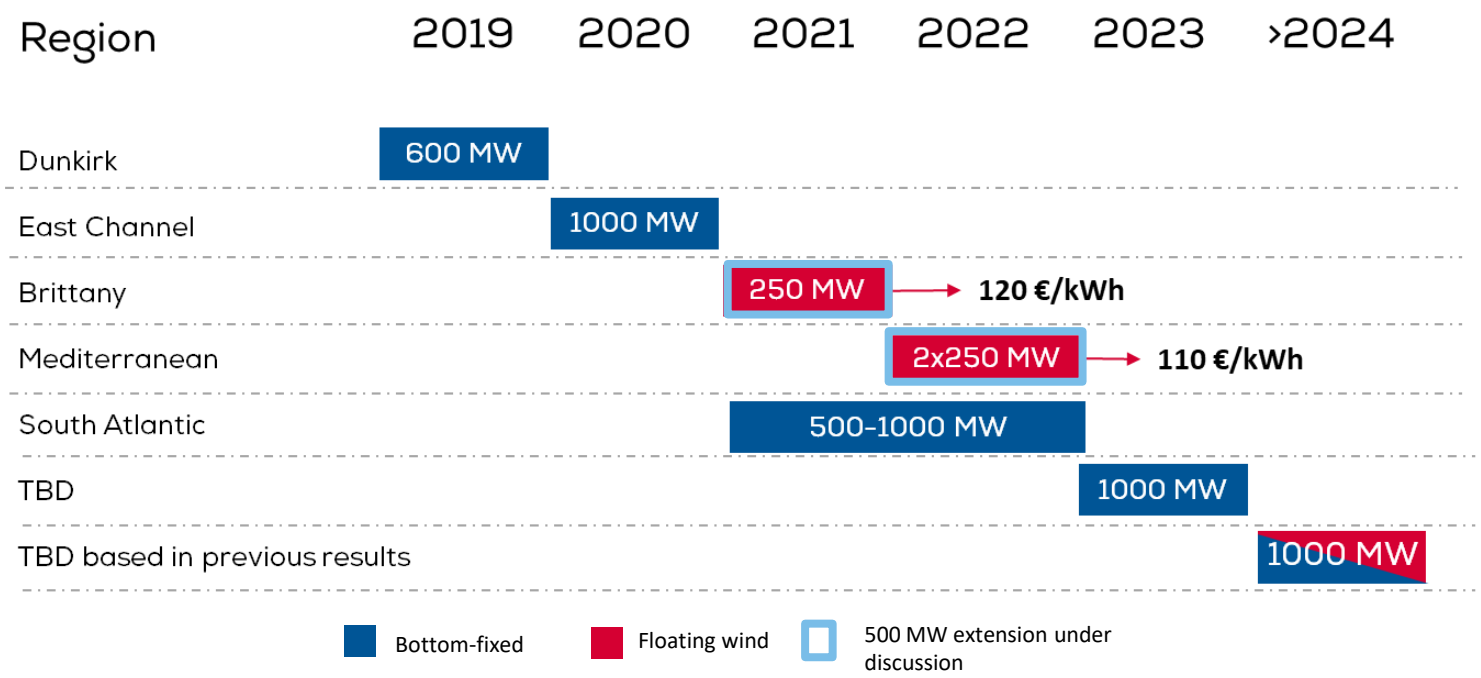
Photo courtesy of Principle Power. Artist name: Dock90

Set a regulatory framework for offshore wind

Identify areas and consult stakeholders early

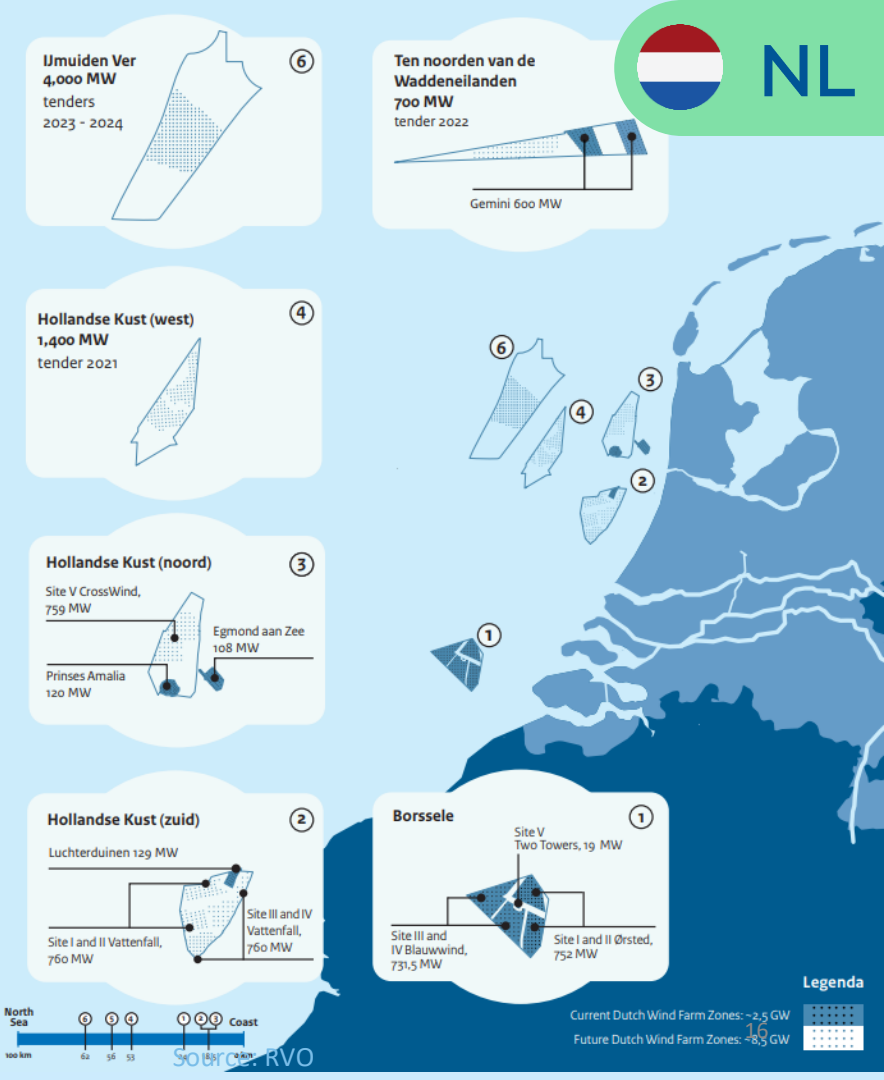
Set a timetable to run auctions

National Energy Climate Plan



Source: French NECP (March 2020)

One-stop shop authorities are efficient



Source: RVO

Coordinate on and offshore grid in national infrastructure plan

Source: Prysmian

Support supply chain, ports infrastructure and innovation

Source: Agence Adocc, 2020

Offshore wind makes sense in Australia

1. Put offshore wind in the energy plan
2. Regulatory framework
3. Identify areas and consult stakeholders early
4. Auctions timetable
5. One-stop shop
6. On and offshore grid
7. Support supply chain, ports infrastructure and innovation

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