

KEY DRIVERS IN OFFSHORE WIND IN EUROPE

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Director of Industrial Affairs

WindEurope

Wind energy in Europe today

Combined

256 GW

17%
of Europe's
electricity demand

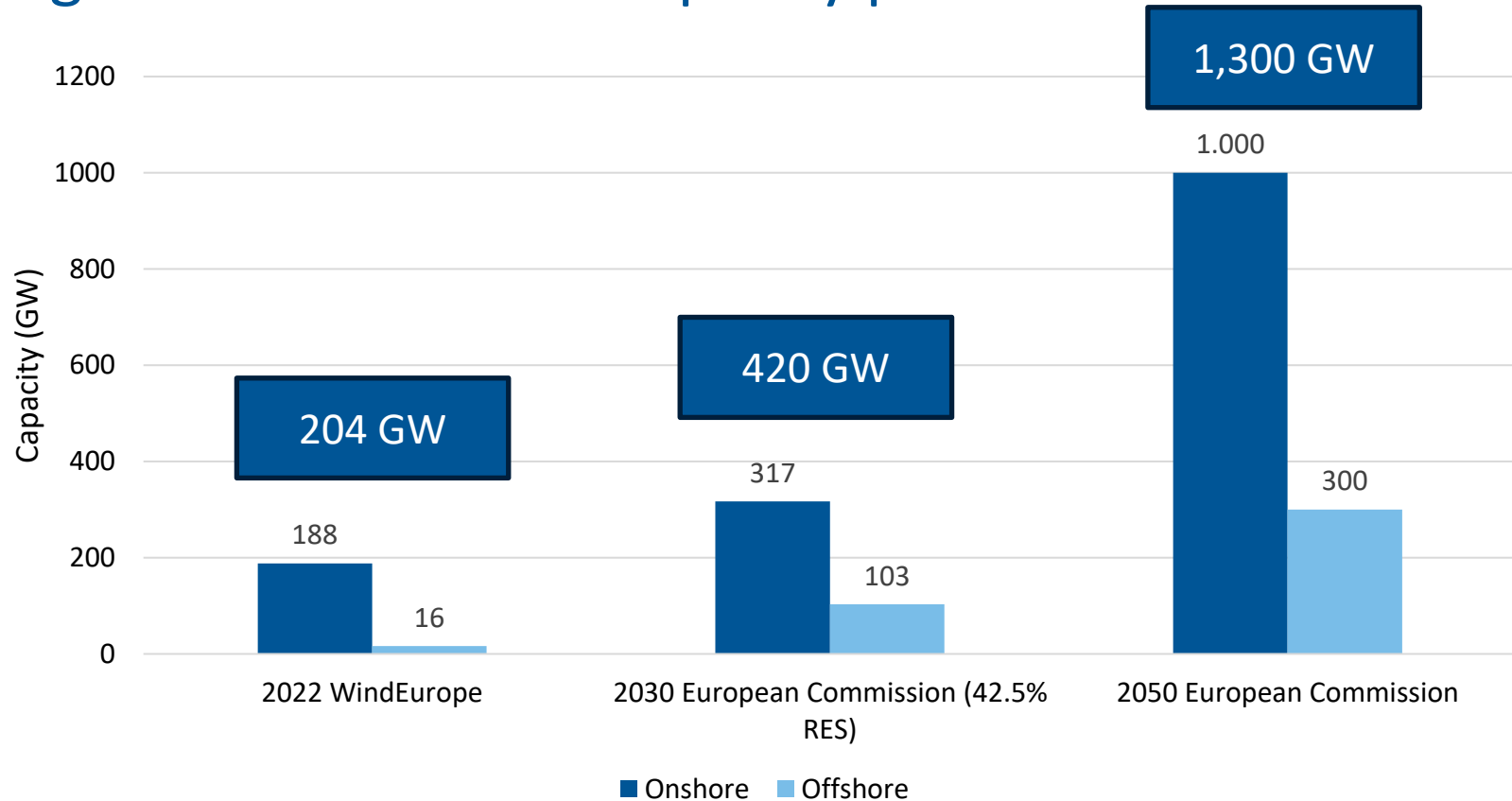
Onshore

224 GW

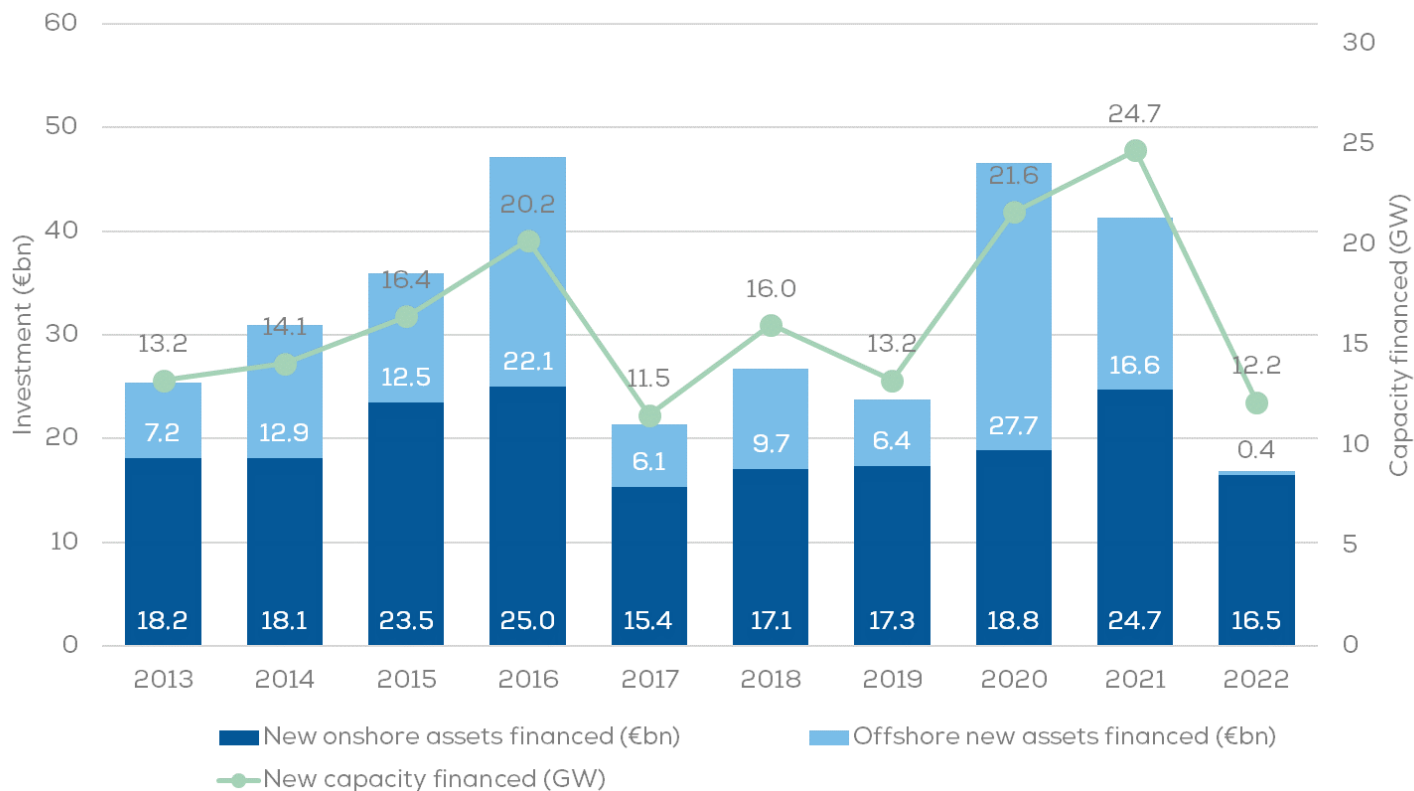
Offshore

32 GW

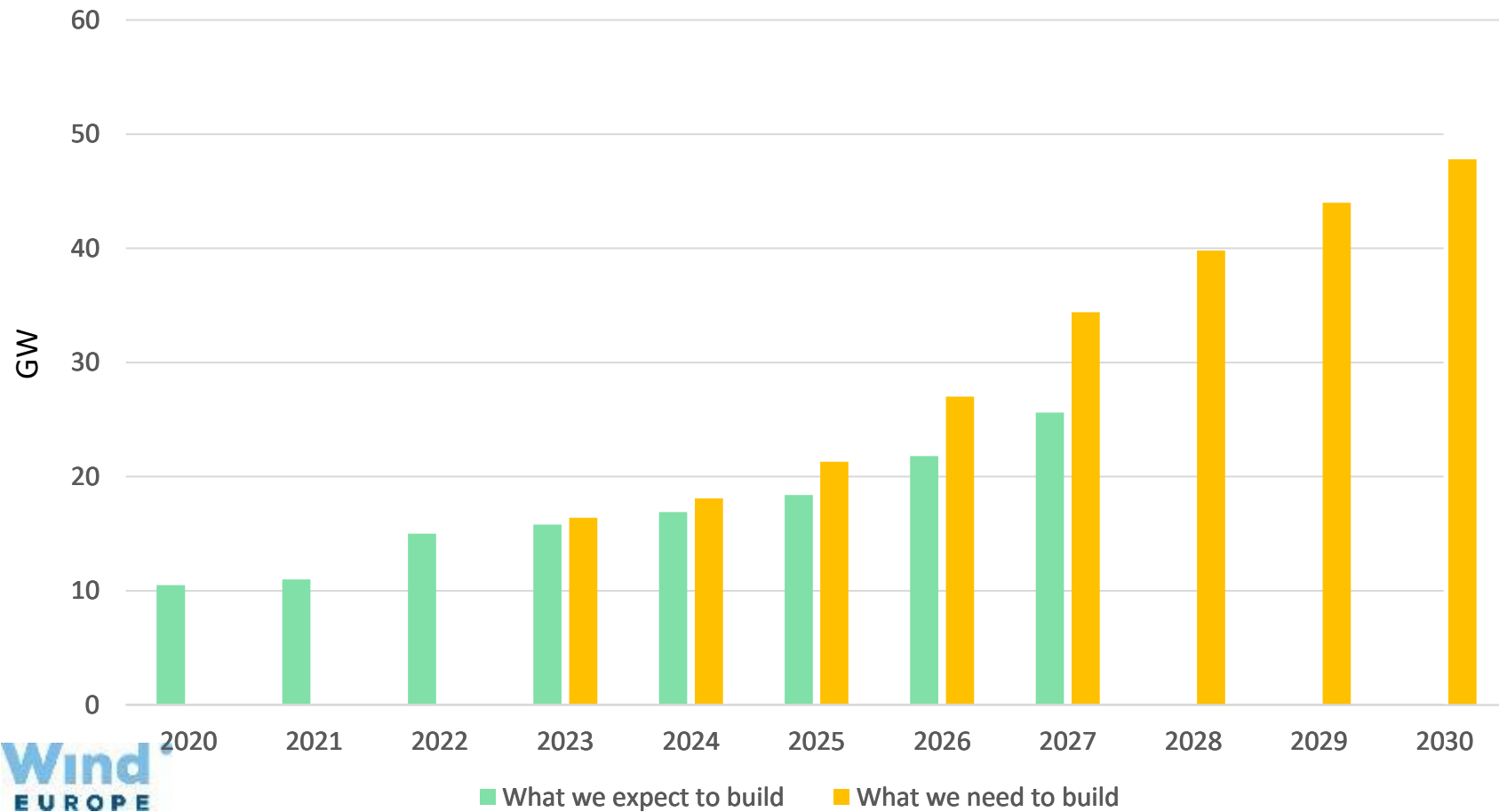
Huge increase in wind capacity planned



Investment fell sharply in 2022 – especially offshore



Europe isn't building enough wind



Permitting remains a bottleneck



Timelines to build a wind farm

Offshore

Permitting and
feasibility studies

3 – 5 years

Design, procurement,
final investment
decision

2 – 4 years

Construction

2 years

Easy Permits

Welcome to **EasyPermits**

Please choose one of the user to login the page



I am a
Community Member



I am a
Permitting Agent



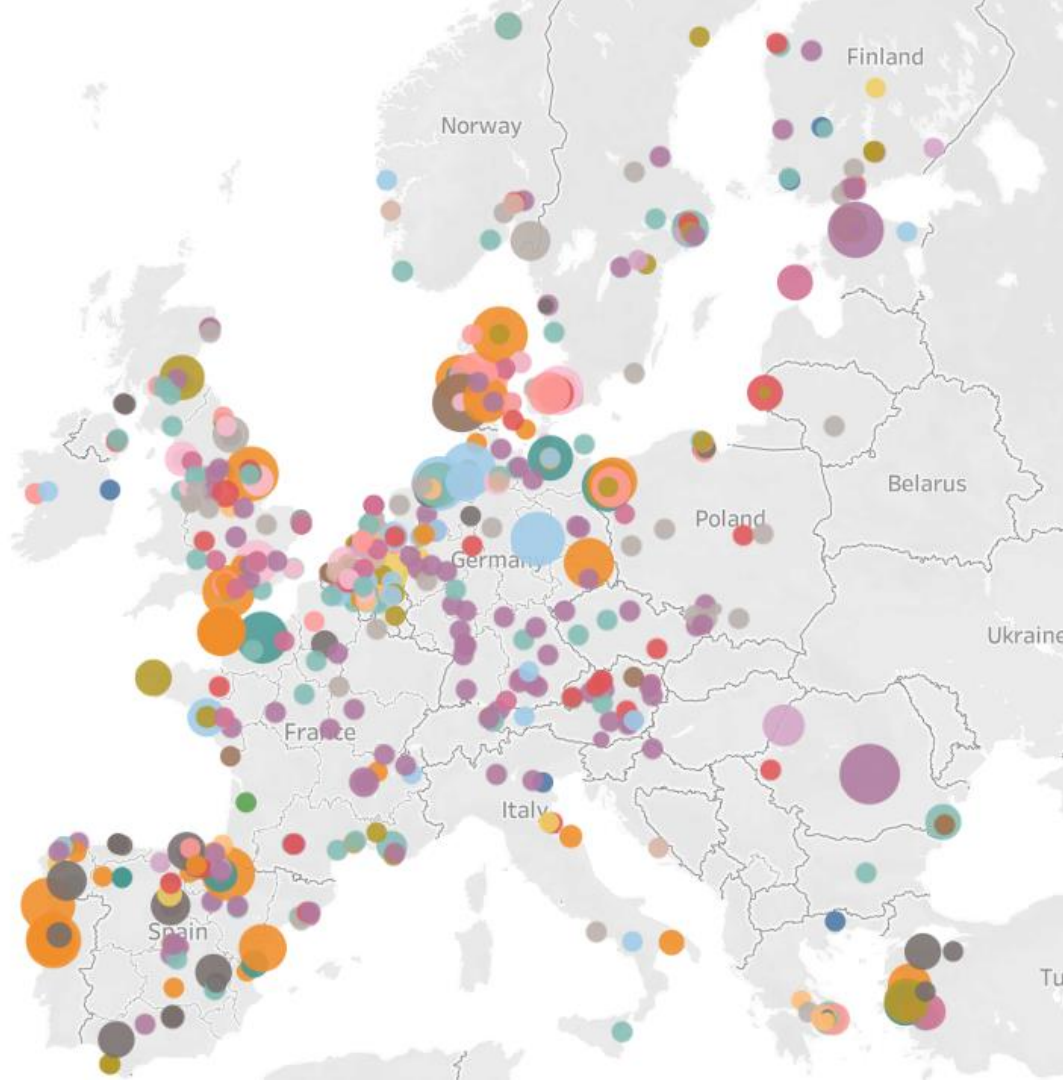
I am a
Wind Farm Developer

Need to focus on our supply chain



European Supply Chain

- Components
- Assembly
- Blades
- Foundations
- Gearboxes
- Nacelles
- O&M
- Other
- R&D
- Towers
- Cables
- Generators
- Logistics
- Port



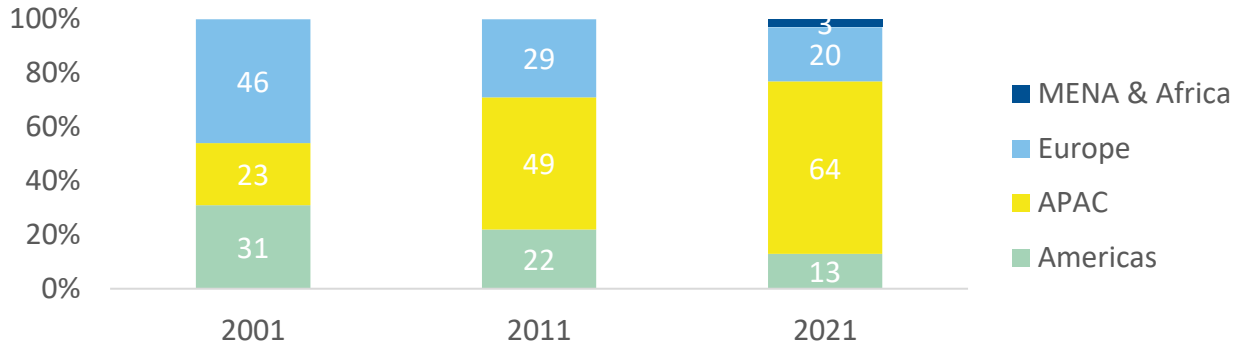
The Net Zero Industry Act

36 GW

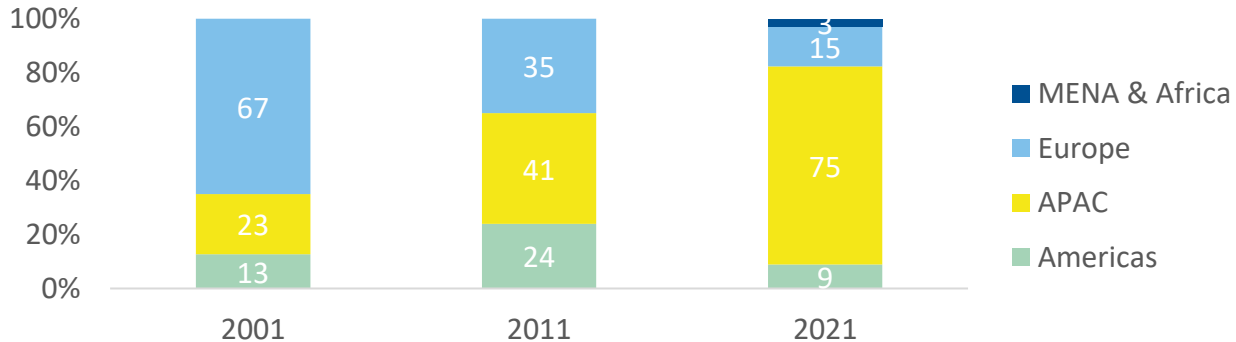
annual European
turbine production
capacity

Supply chain is struggling

Share rotor blade production



Share nacelle production



Wind Power Package

“The future of our clean tech industry has to be made in Europe”





A European Wind Power package to

- ✓ Fast-track permitting even more
- ✓ Improve the auction systems across the EU
- ✓ Focus on skills, access to finance and stable supply chains

Economic benefits of offshore wind in Europe

€7.5bn
EU GDP
contribution

1 new offshore
wind turbine
=
€20m
to the economy

Production capacity

Offshore
turbines

7 GW

20 GW

Offshore
turbines

7 GW

20 GW

Production capacity

Offshore
turbines

7 GW

20 GW

Foundations

660

1,300

Production capacity needed

Offshore
turbines

7 GW

20 GW

Substations

Substations

5

20

5

20

Production capacity added

Offshore turbines

7 GW

20 GW

Offshore wind workers

77,000

250,000

Offshore wind workers

77,000

250,000

Substations

5

20

Production capacity

56 Vessels

20 GW

5 Substations

77,000 Workers

250,000

Offshore
turbines

7 GW

20 GW

Substations

5

20

Vessels

56

Workers

77,000

250,000

Production capacity **ended**

Offshore
turbines

7 GW

20 GW

Workers

77,000

250,000

Cables

1,900 km

3,200 km

Substations

5

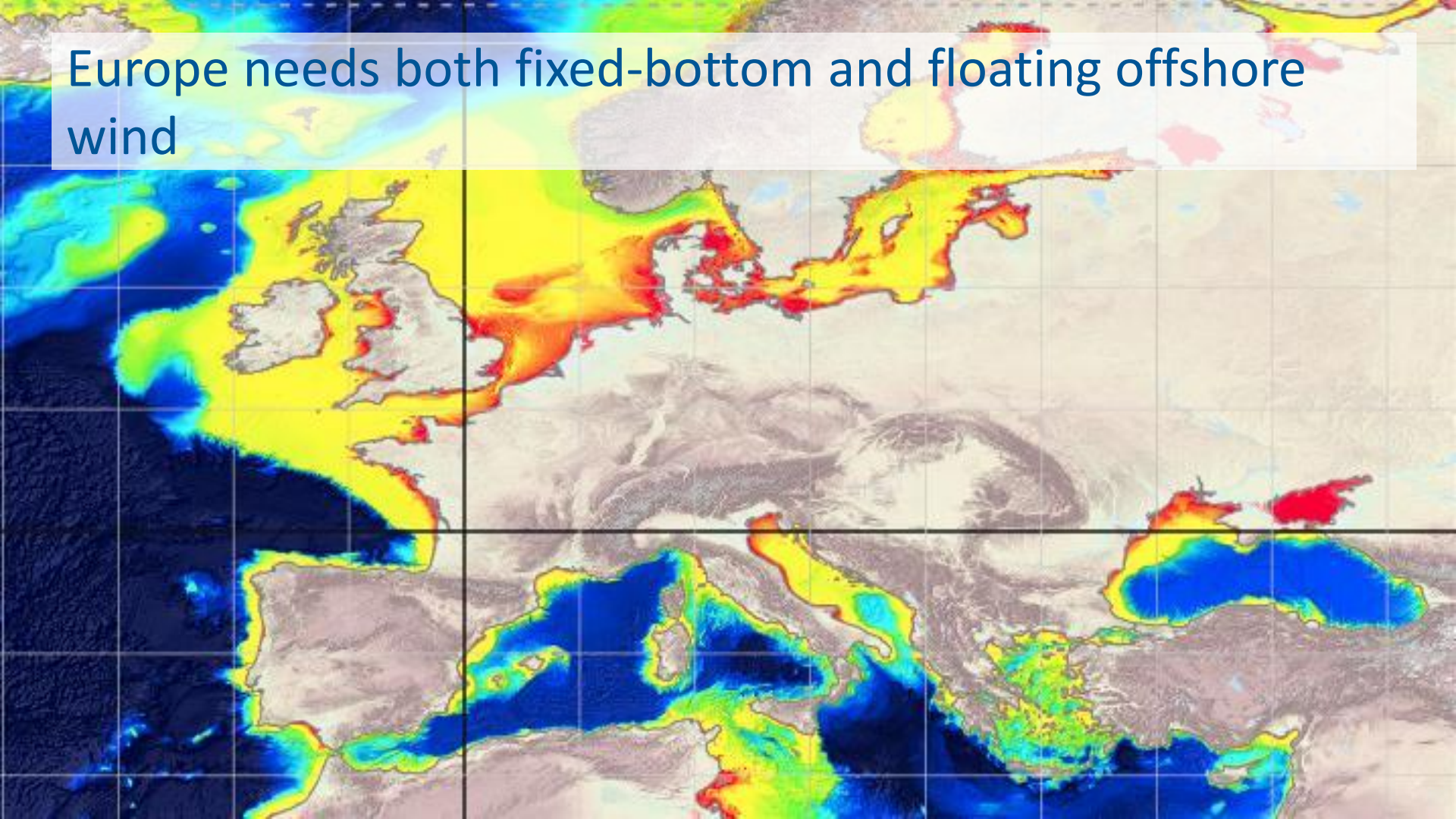
20

Cables

1,900 km

3,200 km

Europe needs both fixed-bottom and floating offshore wind



Floating Offshore Wind



IT IS AFFORDABLE



HIGH CAPACITY
FACTORS



ENABLES NEW
REGIONS



WIDER ECONOMIC
BENEFITS

But why
floating?

65%

Cheaper by
2030

54%

Over 5 years

60m+

Unlocks global
potential

30%

'New' supply
chain

Our wider approach to industrial policy

The background image shows a large industrial facility with high ceilings and multiple levels of metal shelving. Two workers in blue protective suits and face shields are leaning over a large white sheet of material, possibly inspecting or working on it. The lighting is bright, and the overall atmosphere is industrial and professional.

- Permitting
- Level-playing field
- Trade policy
- Money for factories & infrastructure
- Auction design



30%
non-price

70%
price

Value auction
model

Provide full cost indexation

Avoid negative bidding

Sustainability and Biodiversity



System Integration and Innovation



European supply chain development and benefits to communities



Change in Financing and Funding Policy

EIB, EU and National funding - Support
supply chain not just innovation

**European
Investment
Bank**

20-22 MARCH 2024

Kaixo Bilbao!

WindEurope is heading back
to the Basque Country in 2024!



Wind[•]
EUROPE

ANNUAL EVENT
2024
BILBAO
20-22 MARCH

SAVE THE DATE

THANK YOU

Wind[•]
EUROPE

windeurope.org



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