



**EWEA**  
THE EUROPEAN WIND ENERGY ASSOCIATION



# The European offshore wind industry and the EU

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# Agenda

- EWEA
- The offshore wind market
- Developing a dynamic agenda to support offshore wind

# What is the European Wind Energy Association?

EWEA is the **voice of the wind industry** in Europe

Activities include:

- **Researching** the latest developments in the wind sector
- **Coordinating** EC-funded projects
- **Disseminating** high quality, up-to-date information
- **Raising awareness** of the benefits of wind power
- **Organising** Europe's premier wind energy events



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## 700 members from almost 60 countries

- Manufacturers with a leading share of the global wind power market
- Component suppliers
- Research institutes
- National wind and renewable associations
- Developers
- Electricity providers
- Finance and insurance companies
- Consultants
- Contractors

This combined strength makes EWEA the world's largest and powerful wind energy network

[www.ewea.org/membership](http://www.ewea.org/membership)



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## EWEA's leading members



GE Energy



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## Offshore wind is a European industry happening NOW

- 5 GW installed
- Or 1,662 turbines
- Producing 18TWh
- Meeting 0.5% of EU electricity consumption
- 60% in North Sea



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## ‘More than one wind turbine installed per working day’

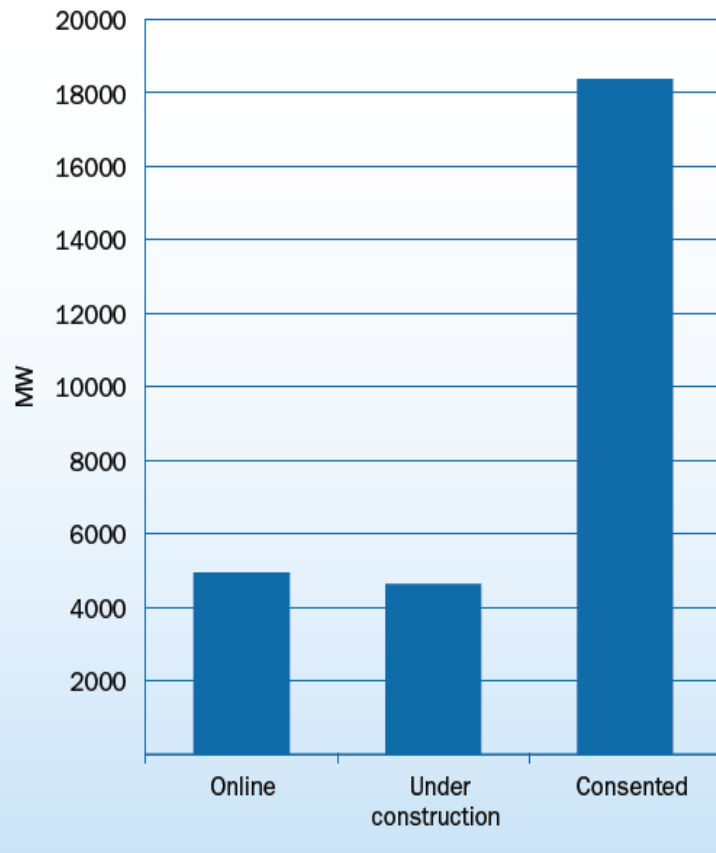
- 1.166MW added in 2012 or 293 turbines
- Equivalent to 33% increase
- €3.4 to €4.6bn annually invested
- 80% new capacity installed in the North Sea



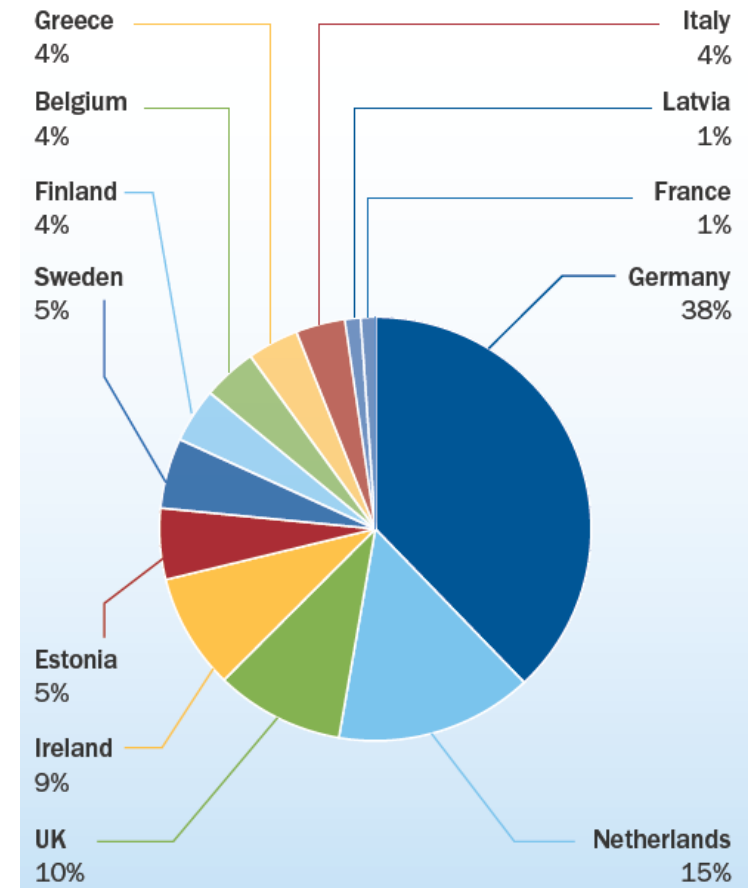


# Offshore prospects for 2013 /2014 are positive

Offshore market: projects online, under construction and consented (MW).



Share of consented offshore capacity per country (MW).





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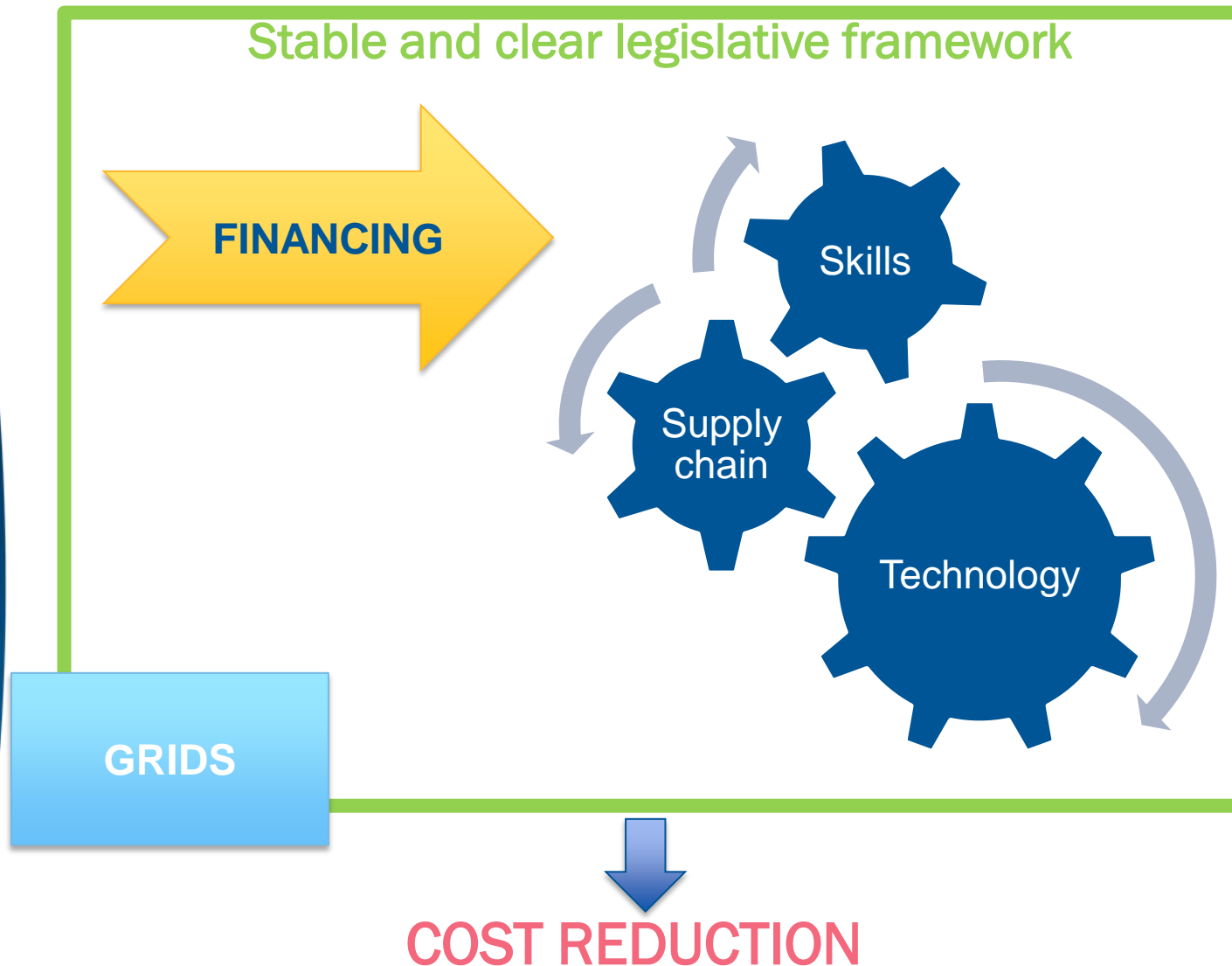
## Offshore wind offers long term opportunities

- 40GW installed in Europe by 2020
- 150GW by 2030
- Meeting 4% of the EU electricity demand in 2020 and 14% in 2030
- Representing 170,000 jobs in 2020 and 300,000 in 2030

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# Developing a dynamic agenda to support offshore wind





## Political support is key to offshore success

- Recognising the importance of offshore wind in the maritime economy
- Political support at regional, national and EU level
  - Implementing the RES Directive
  - Developing binding 2030 renewables targets
  - Developing a European framework for Maritime Spatial Planning



# Developing the European energy infrastructure

- Reinforcement of onshore networks
- Developing an integrated European offshore grid:
  - €14bn saved by 2030 with clustering v. radial connections
  - Energy Infrastructure Package
  - The role of the NSCOGI platform in the PCI selection

MS need to renew their commitment to offshore grid development

## Facilitating access to finance

- R&D support:
  - MFF
  - TP Wind
- Financing activity considerable for 2012:
  - 4 non recourse debt financing transactions were closed, involving almost 20 banks and 5 multilateral institutions
  - 7 equity deals struck
  - 4 GW capacity changed hands (+30%)
- Need to attract new players, new capital

## Offshore wind: a European project that deserves a European industrial strategy

- Necessity to develop an industrial strategy to drive forward offshore wind development
- Reinforced by the industrial strategies at national and regional level
- Four pillars:
  - Technology & innovation (testing facilities, new technologies,...)
  - Supply chain bottlenecks (ports, vessels)
  - Skills and training
  - Access to financing



## **EWEA OFFSHORE 2013 Conference & Exhibition**

19–21 November 2013

Messe Frankfurt, Frankfurt, Germany



## **EWEA 2014 Annual Event**

10-13 March 2014

Fiera Barcelona, Barcelona, Spain





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**Thank you very much for your attention**

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