EWEA
THE EUROPEAN WIND ENERGY ASSOCIATION

Workers wanted – the EU offshore wind industry skills gap

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Key Account Manager

Around 600 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

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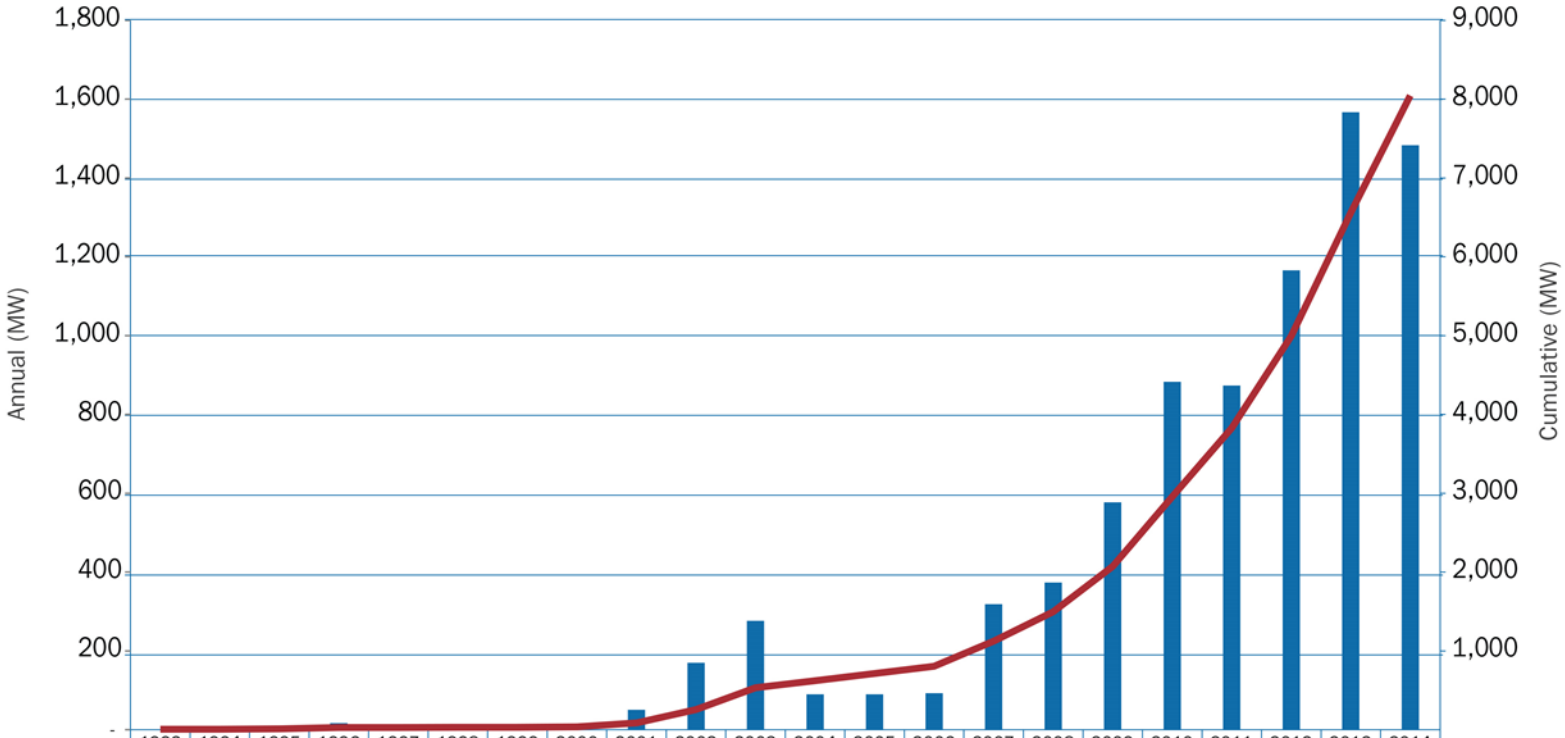
Market Leaders

ENERCON ENERGY FOR THE WORLD
SIEMENS
IBERDROLA RENEWABLES
Vestas Wind. It means the world to us.

Leading Members

acciona Energía
ALSTOM
DONG energy
e·on Climate & Renewables
EDF energies nouvelles
edp renewables
Enel Green Power
ERG Renew
GE
res power for good
VATTENFALL

A fast-growing emerging industry



	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Annual	-	2.0	5.0	16.80	-	2.80	-	4.0	50.50	170.0	276.20	89.70	90.0	92.50	318.40	373.48	576.90	882.70	873.55	1165.5	1567.0	1483.3
Cumulative	4.950	6.950	11.950	28.750	28.750	31.550	31.550	35.550	86.050	256.05	532.25	621.95	711.95	804.45	1122.8	1496.3	2073.2	2955.9	3829.4	4994.9	6561.9	8045.2

Source: EWEA

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Five years of quadrupling capacity, with tripling FTEs

- 8 GW cumulatively installed in 11 European countries
- 29.6TWh produced
- Meeting 1% of EU electricity consumption
- Employing 75,000 FTE

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A further tripling of capacity by 2020

- 23.5 GW cumulatively installed
- Meeting 2.9% of EU electricity consumption
- Employing 128,000 FTE

And by 2030: 65GW expected

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High skill level required by roles in all sub-sectors

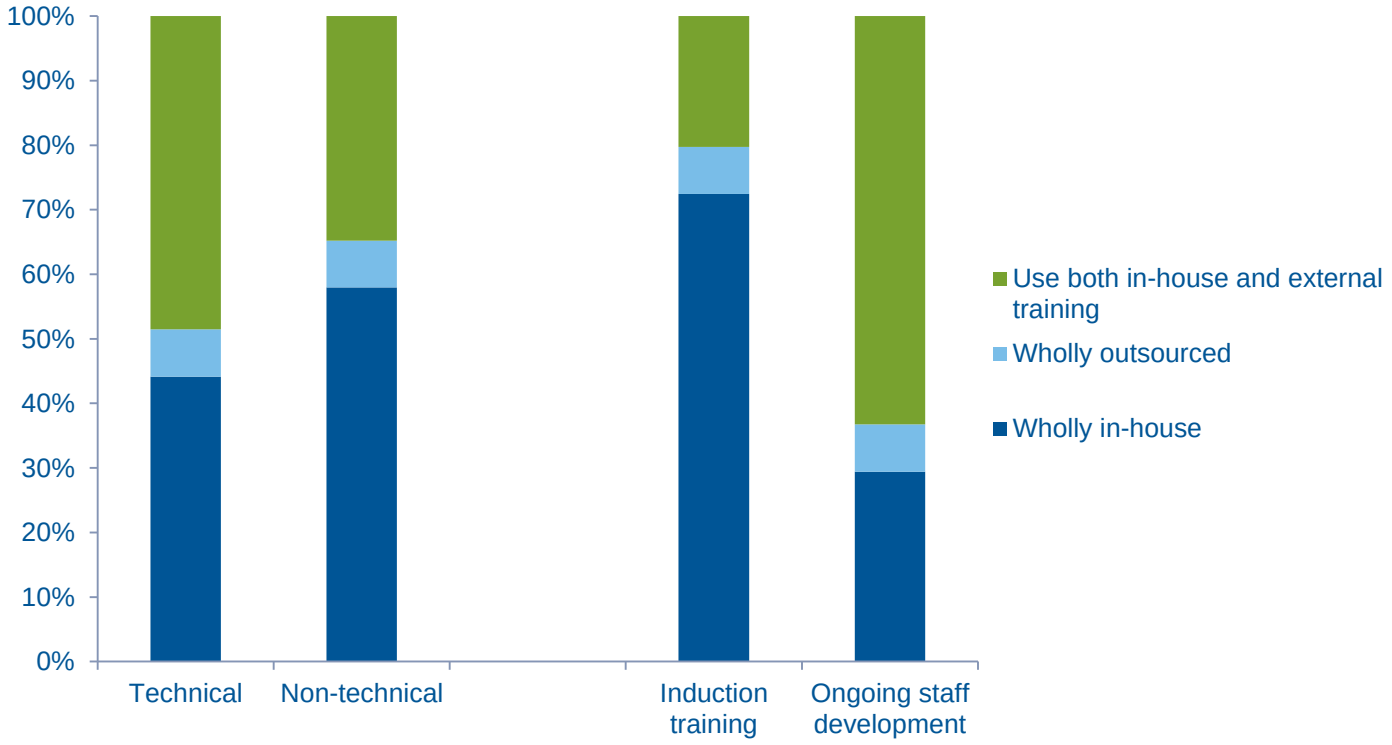
Demographic changes and flat STEM graduation rates

High rate of deployment (65GW by 2030)

Skills Gap?

Changing emphasis within the wind sector towards O&M

Current industry training provision trends



Recommendations

- Improve core STEM skills available to industry
- Get the benefits of industry experience into training and education institutions
- Expand the cohort of graduate-level wind energy generalists
- Harmonise Vocational Education and Training (VET) offerings at the EU level
- Increase the emphasis on O&M training

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Thank you

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