



BWEA

Representing the wind, wave and tidal sectors

Powering Ahead

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BWEA

Delivering the UK's wind, wave and tidal energy



About BWEA

- 30 staff
- Established 1978
- Representing the wind, wave and tidal stream energy industries
- 470 members and growing!

What does BWEA do?

- Communications
- Industry PR
- Policy
- Events

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About the sector in the UK

- 215 wind farms
- 2,533 turbines
- 3,625 MW operational (3,027 MW onshore / 598 MW offshore)

2654 GW under construction

6180 GW consented

9183 GW in planning system

- 2,027,133 homes
- 4,096,836 tonnes CO2 emission reductions



About the sector today

- UK – 3.5GW & 5.000 jobs
- Mostly onshore
- Only 600MW offshore

BUT

- 8GW being built or with consent
 - 9GW in planning waiting to be approved
 - Wind will overtake nuclear in the UK within 5 years

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But this compares to:

- Europe-wide – 145.000 jobs
- Denmark – 3GW / 20.000 jobs
- Spain – 15GW / 30.000 jobs
- Germany – 20GW+ / 80.000 jobs

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2020: Strong growth expected

3 scenarios for 2020:

- **(worst case) – 22GW / 23.000**
- **(base case)– 27GW / 36.000**
- **(best case) – 34GW / 57.000**

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Base case (most likely)

27GW / 36,000 jobs

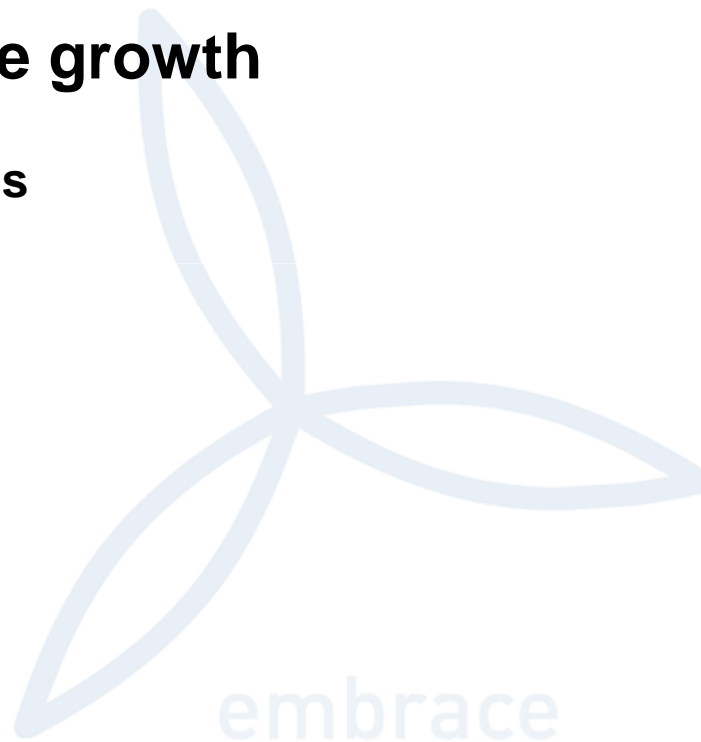
- onshore – 13GW – 11.000
- offshore – 15GW – 25.000

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Barriers to future growth

- **Grid connections**
- **Site approval**
- **Skills supply**
- **Supply chain**
- **Offshore costs**





Skills supply difficulties

Many companies already finding it difficult to fill positions

- Project managers – 46%
- Electrical engineers – 40%
- Turbine technicians - 25%

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Seizing the opportunity:

Elections this year? New Government needs to give full commitment

- **keeping ROCs support mechanism**
- **improving Grid access**
- **faster site approvals**
- **building a UK based Supply chain**

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