Map of the UK's wind energy supply chain and areas of industrial growth

June 2025

RenewableUK

RenewableUK EnergyPulse

This map provides an overview of the UK's wind energy supply chain. It outlines those parts of the country where we've already seen industrial clusters develop to service the UK's world-leading offshore wind sector, and where we hope to see new investment as the industry continues to grow.

UK wind energy supply chain and industrial growth

You can find out more about the different clusters of the offshore wind industry in their Prospectuses

Key

Existing and emerging clusters of offshore-wind focused industry

- Existing and emerging clusters of industry
- T Turbine, blades & towers
- F Foundations & substructures
- C Electrical systems & cables
- E Environmental services
- I Installations, operations & maintenance

Areas of cross-sectoral collaboration

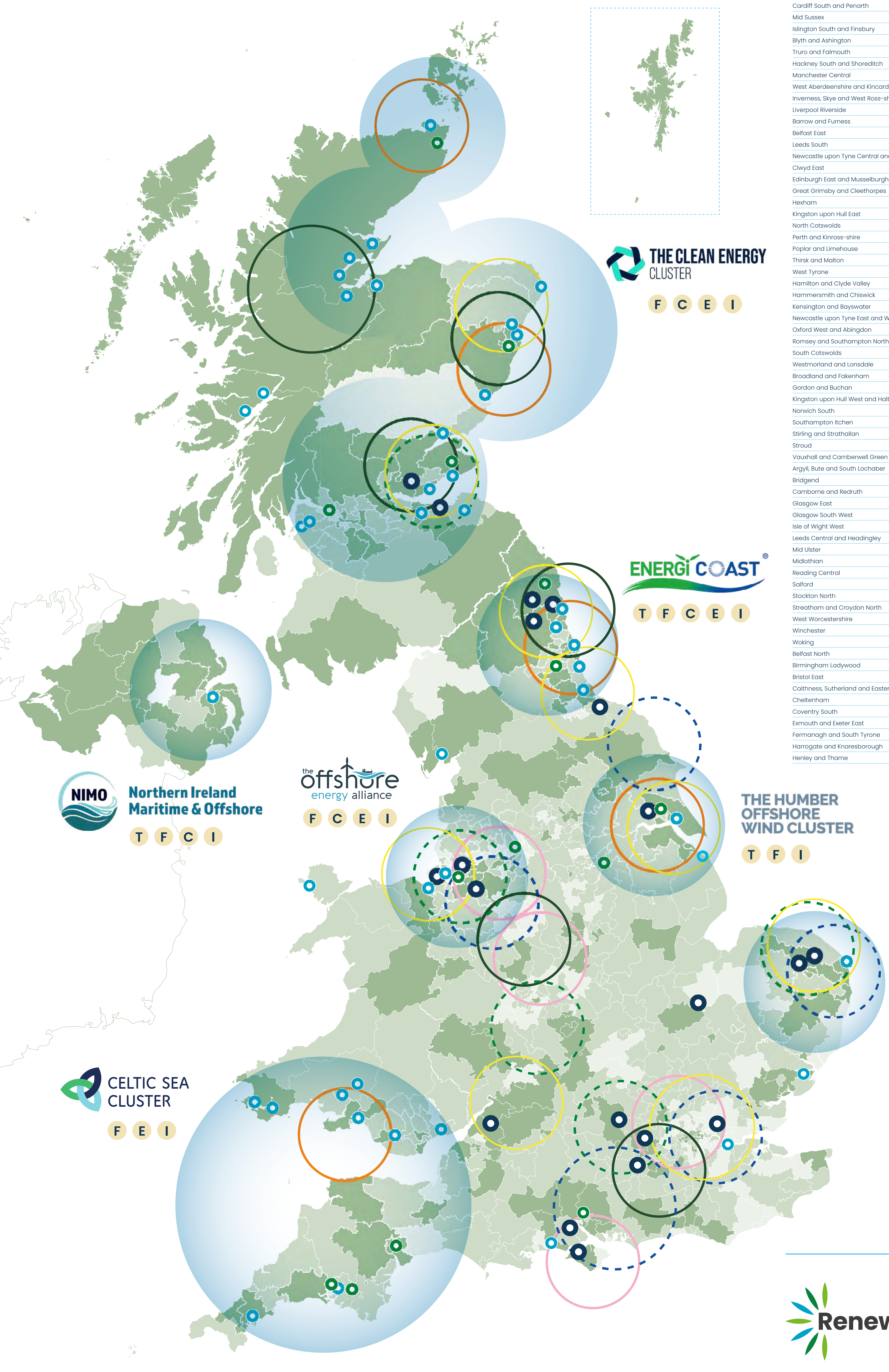
- Technology development
- Advanced turbine technology
- Foundations and substructures
- Electrical systems and cables
- Smart environmental services
- Installaton, operations & maintenance

Facilities

- Existing major facilities
- Ports and potential major facilities
- Academic partnerships and test centres

Constituencies

- 5+ companies in operation
- 1-4 companies in operation
- 0 companies in operation



EAST WIND Offshore Cluster
F E I

Parliamentary constituencies with the most supply chain companies

The table shows the number of companies within each constituency. These figures are based on data from RenewableUK's EnergyPulse database in June 2025. Whilst the database is updated live, we are unable to update the map in real time.

Constituency	Total
Cities of London and Westminster	200
Edinburgh North and Leith	54
Glasgow North	51
Bristol Central	36
Bermondsey and Old Southwark	33
Aberdeen South	31
Orkney and Shetland	31
Holborn and St Pancras	30
Aberdeen North	27
Belfast South and Mid Down	26
Edinburgh South West	26
Great Yarmouth	22
Lowestoft	22
Cardiff South and Penarth	20
Mid Sussex	20
Islington South and Finsbury	19
Blyth and Ashington	18
Truro and Falmouth	18
Hackney South and Shoreditch	17
Manchester Central	16
West Aberdeenshire and Kincardine	16
Inverness, Skye and West Ross-shire	15
Liverpool Riverside	15
Barrow and Furness	14
Belfast East	14
Leeds South	14
Newcastle upon Tyne Central and West	14
Clwyd East	13
Edinburgh East and Musselburgh	13
Great Grimsby and Cleethorpes	13
Hexham	13
Kingston upon Hull East	12
North Cotswolds	12
Perth and Kinross-shire	12
Poplar and Limehouse	12
Thirsk and Malton	12
West Tyrone	12
Hamilton and Clyde Valley	11
Hammersmith and Chiswick	11
Kensington and Bayswater	11
Newcastle upon Tyne East and Wallsend	11
Oxford West and Abingdon	11
Romsey and Southampton North	11
South Cotswolds	11
Westmorland and Lonsdale	11
Broadland and Fakenham	10
Gordon and Buchan	10
Kingston upon Hull West and Haltemprice	10
Norwich South	10
Southampton Itchen	10
Stirling and Strathallan	10
Stroud	10
Vauxhall and Camberwell Green	10
Argyll, Bute and South Lochaber	9
Bridgend	9
Camborne and Redruth	9
Glasgow East	9
Glasgow South West	9
Isle of Wight West	9
Leeds Central and Headingley	9
Mid Ulster	9
Midlothian	9
Reading Central	9
Salford	9
Stockton North	9
Streatham and Croydon North	9
West Worcestershire	9
Winchester	9
Woking	9
Belfast North	8
Birmingham Ladywood	8
Bristol East	8
Caithness, Sutherland and Easter Ross	8
Cheltenham	8
Coventry South	8
Exmouth and Exeter East	8
Fermanagh and South Tyrone	8
Harrogate and Knaresborough	8
Henley and Thame	8

Constituency	Total
Runcorn and Helsby	8
Warrington North	8
Warwick and Leamington	8
York Central	8
Bedford	7
Brigg and Immingham	7
Cardiff North	7
Dundee Central	7
Dunfermline and Dollar	7
Edinburgh West	7
Grantham and Bourne	7
Harwich and North Essex	7
Kenilworth and Southam	7
Montgomeryshire and Glyndŵr	7
Moray West, Nairn and Strathspey	7
Na h-Eileanan an Iar	7
Neath and Swansea East	7
Newton Aycliffe and Spennymoor	7
North Down	7
North East Fife	7
North Somerset	7
Salisbury	7
South West Hertfordshire	7
Strangford	7
Swindon South	7
Tynemouth	7
Windsor	7
Witham	7
Banbury	6
Bethnal Green and Stepney	6
Beverley and Holderness	6
Cambridge	6
Chelsea and Fulham	6
City of Durham	6
Cowdenbeath and Kirkcaldy	6
Dumfries and Galloway	6
East Kilbride and Strathaven	6
Falkirk	6
Hamble Valley	6
Herne Bay and Sandwich	6
Huntingdon	6
Ipswich	6
Jarrow and Gateshead East	6
Leeds East	6
Mid Derbyshire	6
New Forest West	6
North Devon	6
North Northumberland	6
North West Leicestershire	6
Nottingham East	6
Nottingham South	6
Paisley and Renfrewshire North	6
South Antrim	6
Taunton and Wellington	6
Thornbury and Yate	6
Warrington South	6
Amber Valley	5
Arundel and South Downs	5
Bath	5
Berwickshire, Roxburgh and Selkirk	5
Carlisle	5
Central Devon	5
Coatbridge and Bellshill	5
Darlington	5
East Antrim	5
East Londonderry	5
Epsom and Ewell	5
Exeter	5
Fareham and Waterlooville	5
Frome and East Somerset	5
Gower	5
Guildford	5
Hartlepool	5
Huddersfield	5
Lancaster and Wyre	5
Lewes	5
Maidenhead	5
Mid and South Pembrokeshire	5
North Herefordshire	5
Norwich North	5
Sheffield Central	5
Shrewsbury	5
Skipton and Ripon	5
South Down	5
South East Cornwall	5
South Shields	5
Stockport	5
Stone, Great Wyrley and Penkridge	5
Stretford and Urmston	5
Sunderland Central	5
Tatton	5
Upper Bann	5
Waveney Valley	5
York Outer	5

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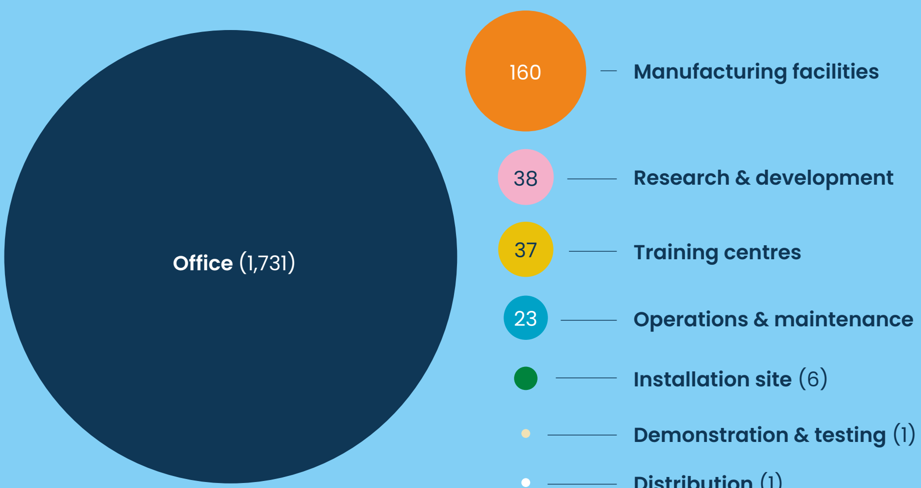
The growing supply chain of the wind energy sector

The industrial growth of the sector is driven by billions of pounds of investment in projects, which will total over £100bn by the end of the decade.

At the time of this map's design in summer 2025, RenewableUK's EnergyPulse market dataset identified 1,996 companies operating in the UK's wind energy supply chain — undertaking a diverse range of activities from environmental surveying and site design, to blade and cable manufacturing.

Examples of types of facilities across the UK



UK wind energy ambitions

By 2030, the UK plans to develop as much as:

50GW
of offshore wind

30GW
of onshore wind

... and remain a world leader in floating offshore wind

How have turbines improved?

Reaching 15GW of wind capacity in 2017 required **8,347 turbines.**

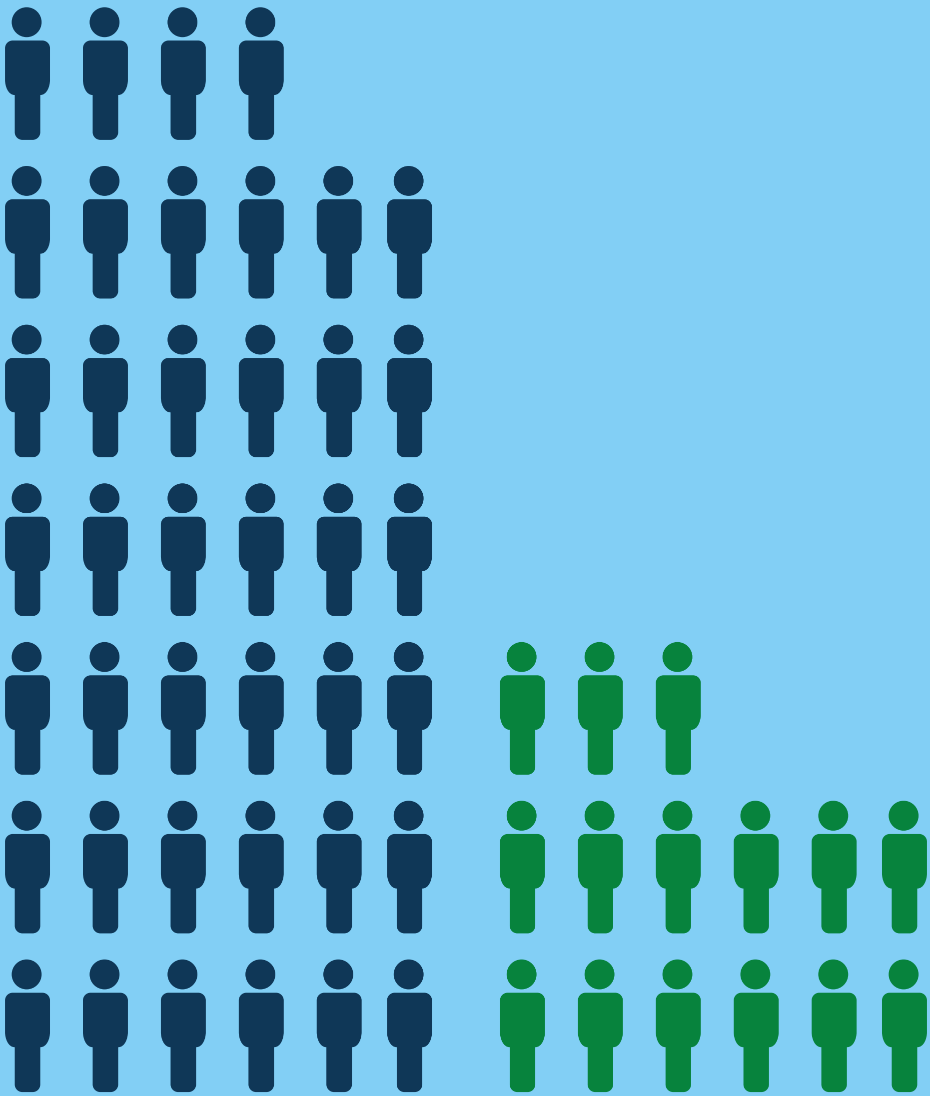
Reaching 30GW of wind capacity in 2024 required just **3,495 more**.

15GW

30GW

Our current wind workforce

= 1,000 jobs



40,000 in offshore wind

15,000 in onshore wind

To meet Government targets, the offshore wind workforce is set to almost double to over **75,000** by 2030, with the highest concentrations in coastal and Scottish regions, while the onshore wind workforce will grow to almost **19,000**.

There is the opportunity to secure an additional 10,000 jobs in the offshore wind supply chain through the delivery of the Offshore Wind Industrial Growth Plan.

The most in-demand roles are projected to be wind turbine technicians, followed by HV cable specialists, installation engineers, fabrication specialists, planning officers, and technical managers.

The offshore wind 'Industrial Growth Plan'

In 2024, the offshore wind sector published an Offshore Wind *Industrial Growth Plan*, which sets out an ambitious vision for the UK in the new era of global offshore wind. The plan is rooted in the strengths of the UK's industry and wider economy, focusing on offshore wind technology and innovation to drive growth and sustainability.

Successfully delivered the UK could:

- Triple its offshore wind manufacturing capability.
- Provide up to £25bn of additional GVA over the next 10 years.
- Double the UK's research and development investment and output

The three key enablers of offshore wind growth are:

- A clear schedule for Contract for Difference Auctions, with significant volumes of new projects coming forward.
- A stable market framework.
- An industrial strategy for the sector, that supports investment in manufacturing, assembly, and port infrastructure, and co-ordinates the UK's R&D and export facilitation activities.

The UK should be a global technology leader in:

Advanced turbine technolgy

Industrialsed foundations & substructures

Future electrical systems & cables

Smart environmental services

Next generational installation and O&M

The UK's leadership in floating offshore wind

The UK is a world leader in developing floating offshore wind, with some of the world's largest projects operating in our waters and a substantial pipeline of new projects maturing. By 2050, a third of the UK's offshore wind generation capacity could be delivered by floating wind projects, with the sector supporting 97,000 jobs and contributing £47bn to UK GVA.

To find out more about the UK's floating wind sector, read '***Floating Wind: Anchoring the next generation offshore***'.

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