



invest | north east  
england



# NORTH EAST ENGLAND WORKS.

**North East England offers everything the Offshore Renewable Sector needs in one location.**

With a wide range of sites next to deep water and suitable for the full range of offshore wind industry requirements – the manufacture of foundations, jackets, cables and other key components, as well as the siting of operations and maintenance facilities, North East England works for the offshore renewables sector.

[INVESTNORTHEASTENGLAND.CO.UK](http://INVESTNORTHEASTENGLAND.CO.UK)

North East England is the ideal investment location from which to exploit the opportunities in the offshore energy market.



## Why offshore renewable firms choose to invest in North East England

- Exceptional market access to the wind developments in the North Sea including Dogger Bank, Hornsea and Firth of Forth
- Over 400ha of key riverside development land at 30 separate sites
- Over 7km of quay next to deep water
- Low cost base – our region's labour costs for an engineer are nearly 15% lower than in Aberdeen and an energy R&D centre based here can make £2.5m in annual cost savings, compared to London (Financial Times Benchmarking Study)
- A fantastic array of world-class R+D and testing facilities such as the National Offshore Renewable Energy (ORE) Catapult testing facility, and the National Centre for Subsea and Offshore Engineering
- A booming business and supply chain cluster, registering a 60% growth in the number of energy-related companies over the past four years
- Our region is served by the Ports of Blyth, Sunderland and Tyne. Newcastle International Airport and a well-connected national rail network allows for executive and workforce movement throughout the UK
- North East England is a key operations and maintenance facilities location to service offshore wind farms with huge potential for an expansion of this role
- Centuries of maritime and engineering heritage with a reputation for technological innovation.

## Real depth in offshore capabilities

North East England offers a fantastic array of world-class R+D and testing facilities such as:

**ORE Catapult;** ORE Catapult, located in Blyth, Northumberland, is the UK's flagship technology innovation and research centre for advancing wind, wave and tidal energy.

**Tyne Subsea: National Centre for Offshore and Subsea Engineering;** The £7m National Centre for Subsea and Offshore Engineering is the first of its kind in the UK, bringing together industry and academia to create a world-class engineering research facility. Operating over two sites, the facility also includes six hyperbaric chambers allowing tests to 600bar.

In addition, North East England is the world centre for a complete array of subsea engineering products and services with companies such as Technip Umbilicals, JDR Cables, SMD, IHC and Tekmar manufacturing cables, umbilicals and flexible pipes, ROVs, subsea ploughs and tractors, and providing cable laying and cable protection services.

## Key development sites with access to deep water

The region boasts a superb portfolio of high quality industrial development sites, all with easy access to deep water ports and many with Enterprise Zone (EZ) benefits such as enhanced capital allowances for investment in plant and machinery.

Sites include the Neptune Energy Park on the River Tyne, with EZ designated development land available for energy firms and home to an existing cluster of specialist companies such as GE Oil and Gas, Technip Umbilicals and Bridon International.

The A&P Tyne Shipyard has the largest commercial dry dock on England's east coast, with two deep water berths and modern fabrication facilities complete with a panel line, rolling, plasma and gas burning machines.

The Port of Blyth is home to the first offshore wind farm in the UK and the National Offshore Renewable Energy Centre Catapult research facility. There are over 200ha of development sites at the port including sites with EZ designation.

There are other key EZ sites a on the Tyne at Royal Quays, Swans and at Tyne Dock in South Shields as well as a large EZ site and significant operational capacity at the Port of Sunderland.



## Strategically located on the North East Seaboard

North East England is home to three Ports, all of which are centrally located in relation to Scandinavian and Continental sea routes and to the key North Sea wind farm developments.

- **Port of Tyne;** Investment of over £120m in the past 10 years has created the infrastructure to deliver continued growth of the Port's diverse businesses, encompassing conventional and bulk cargoes, car terminals, cruise and ferry, logistics and estates
- **Port of Sunderland;** The UK's second largest municipally owned port. The Port of Sunderland has a reputation for delivering high quality service and achieving rapid turnaround times in cargo handling
- **Port of Blyth;** A modern trust port on the North East coast of the UK handling up to 2 million tonnes of cargo per year and now a key hub for offshore renewables activities.

**Our superb deep water port facilities at the Port of Blyth, Port of Tyne and Port of Sunderland all offer excellent road and rail infrastructure links along with state-of-the-art logistics solutions.**

### **Unbeatable skills availability**

North East England has a reputation for providing an unrivalled skills pool for offshore and marine roles as well as fabrication skills, and those necessary for engineering design and innovation. There is a well-established joint commitment between education and business, to mould work-ready graduates by giving them 'real world' experiences to guide them into their chosen field of expertise.



**There are over 23,000 people employed in the North East energy sector.**

Our region also has one of the UK's lowest labour turnover rates and offers exceptional specialist training facilities for investors to access. Our four universities work hand-in-hand with our energy companies to drive forward cutting-edge sector research. Northumberland College is training tomorrow's workforce in offshore renewable

skills at its Wind Turbine Technical Training Centre at the Port of Blyth. The centre provides access to a 27m high climbing tower for 'working at height', training technicians in servicing and maintaining wind turbines.

Newcastle College's Energy Academy offers qualifications up to degree level in energy technology, manufacturing, maintenance and apprenticeships. This training excellence is enhanced by a number of world-renowned private sector training providers such as Maersk Training and AIS locating themselves in the region.

### **Unrivalled business networks**

A well-established network of sector support organisations offer a soft landing in our region for investors. NOF Energy, Subsea North East and Energi Coast support investors through networking events, industry intelligence, marketing and sector introductions.

## **KEY SPECIALIST OPERATIONS IN THE NORTH EAST**

**Siemens Energy**

**EDF Energy Renewables**

**Soil Machine Dynamics (SMD)**

**Technip Umbilicals**

**Vattenfall**

**IHC Engineering**

**Teikmar**

**JDR Cables**

**Smulders Projects**

**Osbit**

**ORE Catapult, Northumberland**

**Global Marine Group**

**DeepOcean**





# NORTH EAST ENGLAND WORKS.

Contact us today to see how  
we can help your business:

☎ 44 (0) 191 519 7215

📠 44 (0) 7342 069 367

✉ [enquiries@investnortheastengland.co.uk](mailto:enquiries@investnortheastengland.co.uk)

🐦 @InvestNEEngland



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