



TYNE ~  
POWERED



THE INDUSTRIAL  
REVOLUTION.  
**TYNE POWERED.**

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THE WORLD'S BIGGEST  
OFFSHORE WIND FARM.  
**TYNE POWERED.**

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AND THE TRANSITION TO  
A NEW, LOW-CARBON WORLD?  
**THIS WILL ALSO**  
**BE TYNE POWERED.**



**TYNE ~  
POWERED**

The River Tyne in North East England has a 700-year track record in engineering with the power to change the world.

Today, it's where businesses like Equinor, Smulders and Siemens have chosen to bring their ideas to life.

The Tyne has the innovative minds and forward-thinkers to test, build and power new technologies. It has the skills, the commitment and the determination to be a driving force in building a new, zero carbon future.

Together, the Tyne's businesses are powering offshore and energy innovation. Come and be a part of it - build your future on the Tyne.



# WHY NOW IS THE TIME TO TYNE-POWER YOUR BUSINESS

## COMPETITIVE COSTS



Labour costs for an engineer will typically save you over 30% compared to Greater London, 12% compared to Aberdeen and 40% compared to other major European cities. A typical 30-person R&D facility will save you £1million per year compared with Hamburg in labour and property costs\*.

## SKILLS PIPELINE



More than 120,000 students study at the region's five universities, with 50% studying Science, Technology, Engineering and Mathematics (STEM) subjects.\*

## GROWTH



The Tyne is the leading location for wind investment and offshore wind has the potential to support up to 9,000 North East jobs by 2025\*\*. There is also huge potential for growth prompted by electrification, and the North East is home to the UK's first gigafactories, making batteries for electric vehicles.

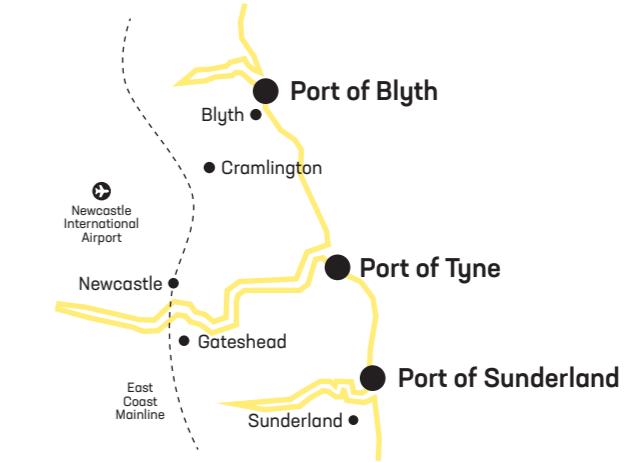
## A LOYAL WORKFORCE



North East England offers a highly skilled, extremely loyal workforce of 1.2 million people, and some of the lowest staff turnover rates in the UK.\*

## CONNECTIONS

The Tyne is close to three ports - the Ports of Tyne, Blyth and Sunderland - and is supported by excellent road, rail and Metro connectivity. It's around 140km from the world's largest offshore wind farm at Dogger Bank, and the Port of Tyne, which is implementing its vision to be the UK's first smart port, is the closest deep sea port to both the Dogger Bank and Sofia wind farms. Newcastle International Airport links the Tyne to yet more international markets.



## ESTABLISHED SUPPLY CHAIN

The Tyne has a well-established engineering supply chain operating in all the key offshore energy sectors including R&D, engineering design and project management, major fabrication, installation and decommissioning, and operations and maintenance facilities and services.

## TEST FACILITIES

People travel from around the world to use the North East's world-class test facilities like the Offshore Renewable Energy Catapult and Tyne Pressure Testing. With facilities like these on your doorstep, the Tyne will put you ahead of the game when it comes to developing new technologies.

"Having a facility 'on the doorstep' is of significant benefit to us, logically, but equally the capacity offered by multiple chambers means that projects can be accommodated when needed."

**Paul Humphreys,**  
General Manager at BEL Valves, commenting  
on the Tyne's research infrastructure.

## SKILLED WORKERS

"The North East region benefits from a rich industrial heritage, and a multi-skilled workforce with many transferable skills relevant to the offshore wind industry."

**Halfdan Brustad,**  
Vice President for Dogger Bank, Equinor.

## QUALITY OF LIFE

This is a place where people love to live and work, with low cost of living and high quality of life. It's a place where you and your business will feel at home.

"The region is absolutely stunning. People love it. Newcastle is an exciting city with genuinely brilliant and welcoming people. It's a place where you and your business will feel at home, alongside our stunning coastline, world heritage sites and buzzing cultural scene."

**Matt Beeton,**  
CEO of Port of Tyne

\*Source: Invest North East England.  
Data refers to the North East region.  
\*\*Source: North East Energy Catalyst



# TESTIMONIALS

## BUILDING AN INTERNATIONAL BUSINESS ON THE TYNE

Smulders is a large, international steel construction company with more than 1,000 employees across Belgium, Poland and the United Kingdom. When the company needed a new site, with space to build large scale structures for the offshore wind industry, it chose the Tyne. With skills like fabrication and welding in their DNA, the Tyne's skilled workers and established supply chain quickly helped make Smulders' new site a success.

The company now builds large steel foundations (jackets and transition pieces) for wind farms and substations here on the Tyne, before they are shipped to their final destinations in the North Sea and beyond.

Smulders sees a long-term future on the Tyne.



**"We're investing in our Tyne facility because we believe in this location. It's been fantastic. We've been welcomed with open arms and the people here have been key to our success."**

**Tom Coosemans,**  
Director, Smulders Projects.  
[www.smulders.com](http://www.smulders.com)

**"Businesses looking to locate in the area will quickly experience the advantages of the infrastructure, supply chain, skills base and lower cost of doing business in a pioneering region for the energy industry."**

**Joanne Leng,**  
Chief Executive of NOF, the UK business development specialists for the energy sector.

## ELECTRIC-POWERED ROVS BEING DEVELOPED AND TESTED ON THE TYNE



On the same site where, in 1894, the Parsons Marine Steam Turbine Company set the standard for the next generation of steam ships, another Tyne-based business is setting the standard for the next generation of offshore ROVs (remotely-operated vehicles). SMD has developed the first large, all-electric ROV from its headquarters on the banks of the Tyne. The development has made use of Tyneside's fast-growing digital cluster and its wealth of software engineers, designers and developers, combined with the area's strong engineering skills.

SMD say that the Tyne's blend of skills, test facilities and supply chain has helped to power this electrical revolution:

**"Leveraging Tyneside's strong engineering skills base and having world-class test facilities like Tyne Pressure Testing, ORE Catapult and Neptune Energy Park Deep Water Test Tank on our doorstep makes the development of new technology like our EV ROVs much easier."**

**Mike Jones,**  
Chairman, SMD.

And so the Tyne's reputation for world-changing innovations continues at SMD's Turbinia works - named after Parsons' Turbinia, the first ship to be powered by steam turbine.

[www.SMD.co.uk](http://www.SMD.co.uk)

## GLOBAL BUSINESSES POWERED BY THE TYNE

**Shepherd Offshore**

On the north bank of the Tyne, Shepherd Offshore is one of the region's leading service providers and developers, with established infrastructure and capacity spread over 200 acres and supported by more than 2,000 metres of deep-water quayside frontage. Shepherd Offshore's facilities and services support local, regional, and global businesses including Technip FMC, Baker Hughes, Bridon Bekaert, Royal IHC, JDR, Saipem, EDF, BP, Equinor, Dana, BAM and Subsea 7.

And for over 40 years, Shepherd Offshore has made a significant contribution to the continued growth of the offshore and energy sector in the region.

As a developer it has remediated over 100 acres of land and constructed over 450,000 square feet of bespoke, world class facilities over the last 10 years. Annually its facilities service over 100 vessels a year.

**"We'll continue to support and create unique offshore and marine clusters on the Tyne through responsible remediation and partnership with all our stakeholders."**

**Charles Shepherd,**  
Managing Director, Shepherd Offshore.  
[www.shepherdoffshore.com](http://www.shepherdoffshore.com)

## INDUSTRY INNOVATION ORIGINATING ON THE TYNE



Leading researchers and energy sector businesses have joined forces to power pioneering new research in the North East.

Wind farm data provided by industry giant Equinor means that energy specialists at Durham and Newcastle Universities, and at world-leading research facility, the Offshore Renewable Energy Catapult, are able to model innovations that could change the industry worldwide - including full energy systems integration and predictive maintenance of offshore equipment. It's a powerful partnership.

**"This is a great example of what can be achieved by combining our regional digital expertise and asset base with the aim of bringing real value to the industry."**

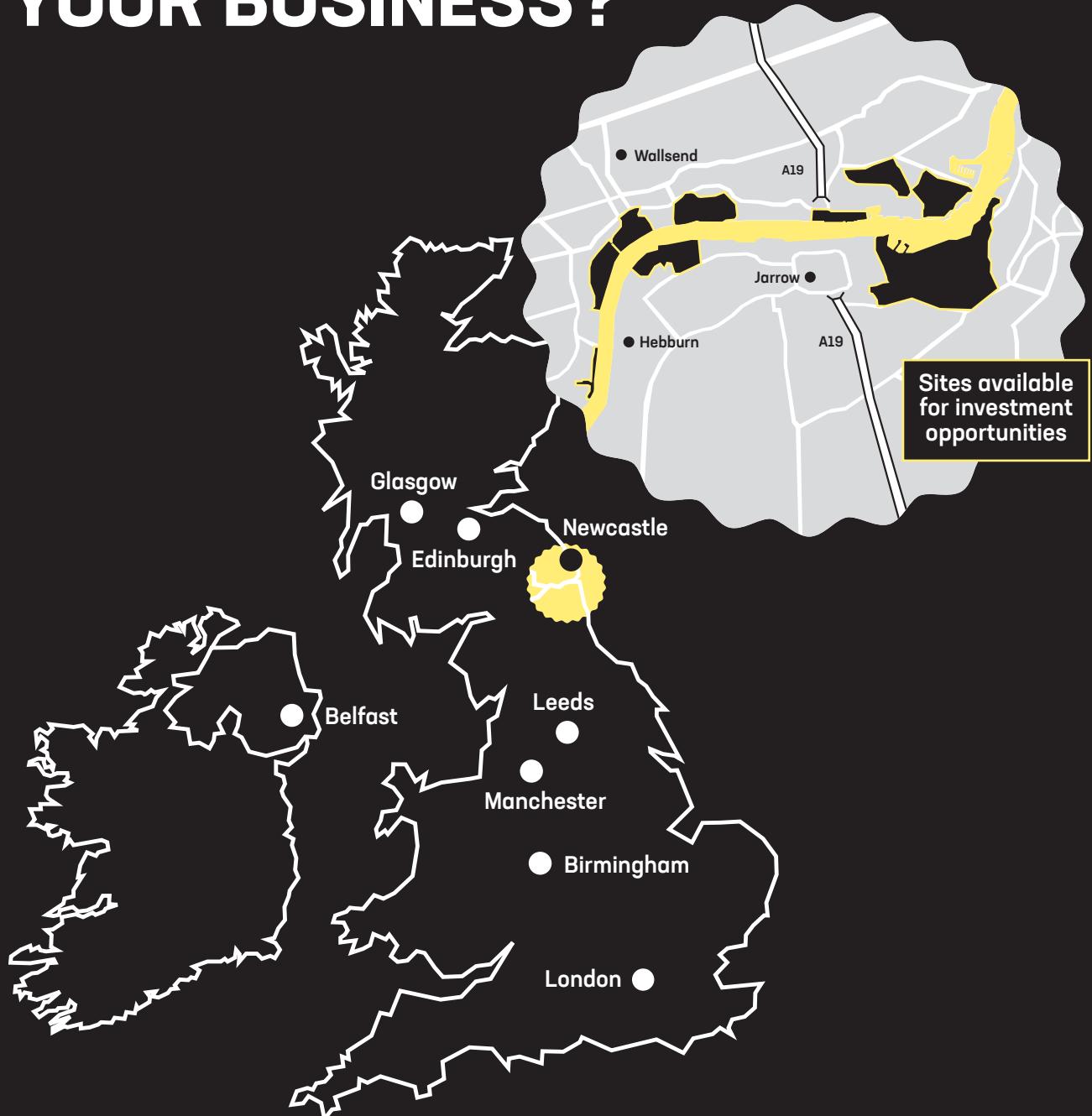
**Tony Quinn,**  
Test Facilities Director at ORE Catapult.

**"This partnership supports our ambitions to collaborate with the North East offshore wind cluster where we will operate our flagship Dogger Bank project."**

**Tom Nightingale,**  
North East Stakeholder Manager for Equinor.

**This partnership is facilitated by the North East Energy Catalyst.**  
[NorthEastEnergyCatalyst.co.uk](http://NorthEastEnergyCatalyst.co.uk)

# READY TO TYNE-POWER YOUR BUSINESS?



**Join our world-class cluster of businesses on the Tyne:**  
[www.tynepowered.co.uk](http://www.tynepowered.co.uk)

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NORTH  
OF TYNE  
COMBINED  
AUTHORITY

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