

Building Offshore Wind in England

CORE: Centres for
Offshore Renewable
Engineering



 **BUSINESS
IS
GREAT**
BRITAIN

Ministerial Foreword



Offshore wind is a UK success story and the UK is open for business.

The UK is the world leader in offshore wind. We have more offshore wind installed than anywhere else in the world.

We are an island nation, blessed with strong winds and shallow seas - and this energy resource is on our doorstep. We are determined to move to cleaner electricity generation and offshore wind has an important role to play in our long term plan for a balanced, low carbon energy mix.

I want the UK to secure the economic benefits of this new industry. Through our offshore wind industrial strategy, the Government is committed to working in partnership with business to build a competitive, innovative UK supply chain for offshore wind, delivering jobs and economic growth.

Building a strong supply chain needs the commitment and expertise of local partners, working alongside central government to support businesses who want to invest here. The Centres for Offshore Renewable Engineering (CORE) partnership offers an integrated and cooperative approach between Government and Local Enterprise Partnerships in England, to provide the best possible support to businesses choosing England as an investment location.



The Rt Hon Matthew Hancock MP
Minister of State for Business, Enterprise and Energy

CORE brings together the relevant expertise from UK Central Government and the six major investment hubs in England to support business growth and showcase opportunities for foreign direct investment (FDI) for the offshore wind sector.

This joint working alliance between parties strengthens the complete England offer and highlights it as a connected, credible and exciting place to invest.



The UK is one of the leading business locations in the world and the number 1 destination for inward investment (FDI) in Europe.

The UK is also the best major location for 'ease of doing business' in Europe according to an independent assessment by the World Bank that considered a range of key commercial operating factors, such as setting up and running a business, labour regulations and obtaining finance.

The perfect location to expand your business

Ormonde Offshore Wind Farm

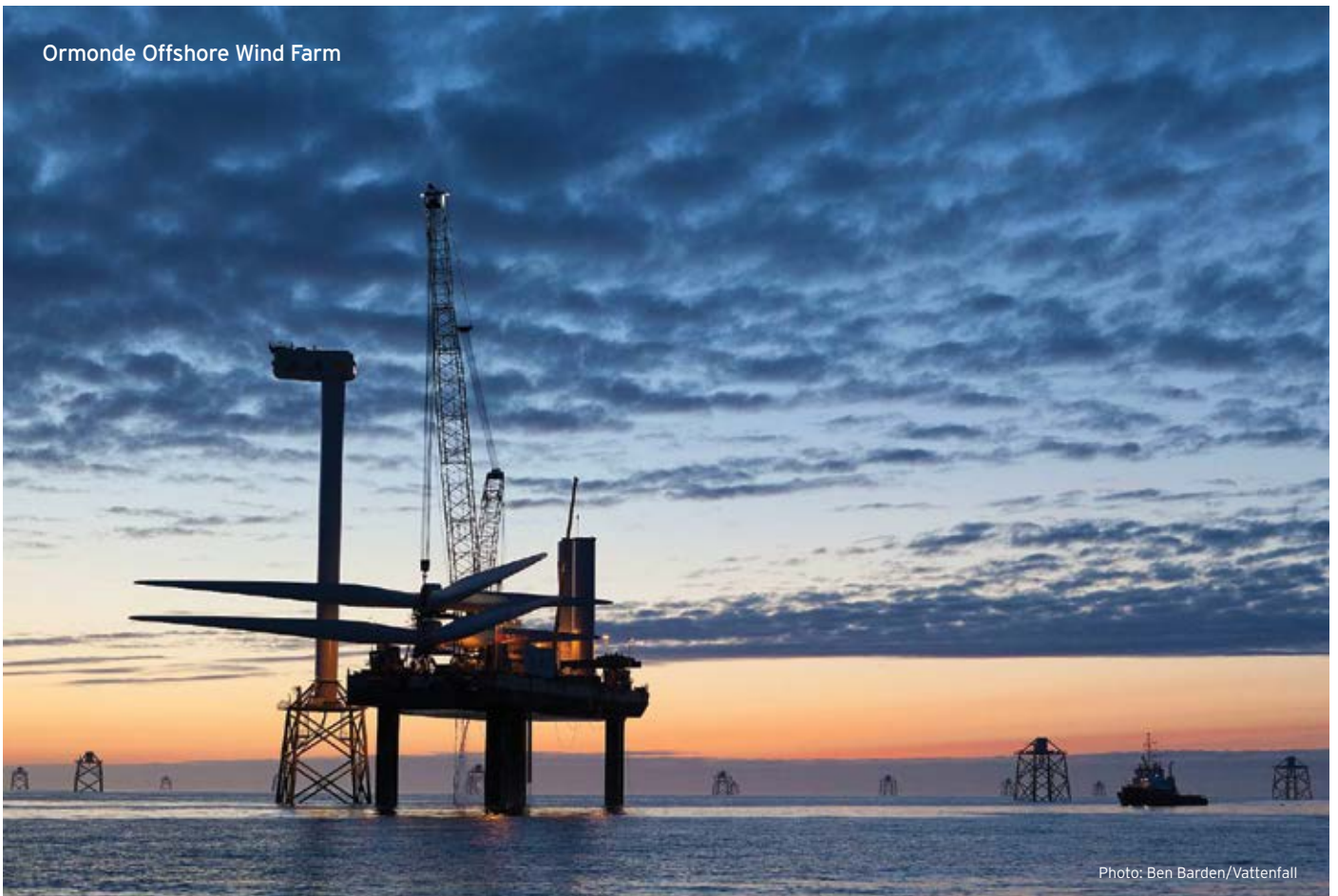


Photo: Ben Barden/Vattenfall

Businesses have several important criteria when assessing new countries to locate to or expand in. Choosing England as a location provides access to hundreds of years of world leading technology, research & development (R&D) and engineering excellence.

England already hosts many of the world's major companies due to its beneficial tax regime, labour laws, strong economy and government which supports business investment.

England is a logistics hub to the world with excellent connections by road, rail, air and sea. From our port sites you can gain easy access to the UK's offshore wind Rounds 1, 2 and 3 developments as well as the wider European market.

England has attracted key players in the offshore wind market and is looking to build its supply chain to service projects in UK and European waters.

This brochure provides details of the six Centres for Offshore Renewable Engineering (COREs) in England identified as having optimum conditions for the offshore wind industry with the land, infrastructure, skills and supply chain expertise required to take advantage of the world's largest engineering opportunity.

England offers the ideal location choice for offshore wind businesses

Exploitation of the largest offshore wind market will require a significant expansion of the supply chain.

- Environmental conditions mean that the **areas off the coast of the UK offer the best wind resources in Europe** with a theoretical potential "harvest" of 1,000TWh every year, creating a very large opportunity for long term investment.
- **The scale and size of the UK offshore wind market offers a range of revenue and supply side opportunities.** The UK has 40% of EU wind capture capacity and the largest project portfolio in the world providing opportunities in design, manufacturing, construction, maintenance and operation.
- **More supply chain capacity will be needed to meet electricity demand.** Electricity produced by offshore wind has increased from 0.65 TWh in 2006 to over 11.5 TWh produced in 2013. This growth will continue and the UK Government is committed to a major expansion of offshore wind to 2020 and beyond.
- Through the **offshore wind industrial strategy**, the UK Government is committed to working in partnership with business to build a competitive, innovative UK supply chain for offshore wind.

A strong and supported port infrastructure, an established skills base with favourable labour costs, centres of excellence, financial support and a network of industry bodies are available to an offshore wind company based in the UK.

- **The UK has the largest ports industry in Europe** with several sites suitable for offshore wind manufacturing, construction and operations & maintenance (O&M).
- **Many centres of excellence, a large talent pool and a substantial skilled workforce** have been established around the country to support growth and greater collaboration.
- **Government support is accessible** through financial assistance and initiatives.

Opportunities to support the UK market



Photo: Jorrit Lousberg

Opportunities exist to supply components to all levels of the supply chain. These include Tier 1 items such as turbines, blades, towers, gearboxes, generators, control systems, transformers, foundations and cables; and Tier 2 & 3 components such as machine parts, flanges, fixings, bearings, castings, forgings and rolled steel.

Opportunities also exist in components and tooling manufacture/supply as well as R&D of processes and materials.

The offshore wind industry is a major user of composites in blade manufacture and nacelle body panels.

Operations and Maintenance of the installed offshore wind farms will require substantial long term investment. There are opportunities to set up O&M bases in all of the port sites near UK wind farms.

Opportunities exist for consultants in areas of land agency, finance/economic, document management, engineering, legal, public relations, insurance, and Environment Impact Assessment.



Growth areas of opportunity in England

England is open for business and looking for potential Joint Ventures, Inward Investment, Partnering Opportunities and developing new trade links.

It is anticipated that more than 2000km of subsea export cable will be required for Round 3 projects before 2020.

In addition to multiple substations, converters, reactors and switchgear, a combination of AC, DC and HVDC (high voltage direct current) are expected to be required.

Locating your business in England will also enable you to conduct your business in GBP pounds Sterling (£). This will significantly de-risk your product or service to a potential buyer already based in the UK as it removes risk from currency fluctuations.

The power from UK wind developments will be produced in £/MW, and as such there are many advantages in locating your business in England and providing your product or service in GBP.

- Operations and Maintenance (O&M)
- Construction/Assembly
- Turbine Components
- Substations
- Composites
- Tooling
- Project Management
- Health and Safety
- Supply Chain Components
- Forgings and Castings
- Vessels for Installation, Access and Egress
- High Voltage Electrical Equipment
- Foundations
- Training
- Logistics
- Cables
- Consultancy Services
- New Products and Services

Assisted Area Status:

The 2014-20 Assisted Areas Map came into effect on 1 July 2014. The Map confers eligibility for Regional Aid, other forms of State Aid and certain tax allowances.

All six COREs in England include designated Assisted Areas, thus offering potential benefits for companies and inward investors that may be considered alongside the specific opportunities in Enterprise Zones.

UK Assisted Areas can be viewed at www.ukassistedareasm.com and further guidance is available from www.gov.uk/state-aid and www.gov.uk/government/publications/state-aid-assisted-areas-introduction.

Offshore Wind Investment Organisation



UK Trade
& Investment

The Government's Offshore Wind Investment Organisation (OWIO) has been established within UK Trade and Investment (UKTI) to boost investment in the UK offshore wind supply chain as the industry continues to grow.

The UK's offshore wind industry currently supports around 7,000 direct local jobs, and OWIO's work aims to increase this figure by leveraging new inward investment in the supply chain and supporting existing UK suppliers to win business. OWIO's work is focussed on the priority subsectors of turbines, towers, foundations, substations and cables, which represent the greatest additional value for the UK supply chain.

The OWIO team has been working closely with all developers, existing UK companies, and target investors to deliver against the expectations of the UK offshore wind industrial strategy by progressing potential investments into the UK and supporting UK companies to compete for business in both domestic and international markets.

The OWIO team is composed primarily of industry experts based in UKTI working closely with offshore wind teams in the Department for Business, Innovation & Skills and the Department of Energy & Climate Change.

Working together with CORE the OWIO team plays an important role in increasing the level of UK content in the global offshore wind supply chain and provides clarity and assurance to

investors and developers alike. OWIO is a key member within the CORE group and supports the group to develop and showcase their proposition, highlight opportunities overseas and provides access to offshore wind events within the UKTI network overseas.

For more information please contact the UKTI Investment services team:

gov.uk/ukti
enquiries@ukti-invest.com
Tel: +44 (0)20 7333 5442



The UK: The Number 1 Destination for Inward Investment (FDI) YouTube video:





Supporting Investment into offshore wind

JDR Cables, Hartlepool, Tees Valley CORE Enterprise Zone

Enterprise Zones



Enterprise Zones are at the centre of the Government's ambitious long-term plans to build a strong economy with sustainable growth and shared prosperity. Each zone offers direct benefit to the businesses that choose to locate within it, through a combination of government support, financial incentives and planning freedoms.

5 of England's 6 CORE sites align with Enterprise Zones. The **North Eastern, Tees Valley, Humber, Liverpool City Region** and **Great Yarmouth and Lowestoft** CORE sites can all access the benefits associated with Enterprise Zones.

The Government is committed to working actively with Enterprise Zones to help unblock any barriers to delivery, such as Department for Transport support on transport infrastructure, Defra support on addressing environmental issues and UKTI advice on marketing zones to international investors.

Enterprise Zones benefit from:

- Up to 100% **business rate discount** worth up to £275,000 per business over a 5 year period.
- Within Enterprise Zones, 100% of business rates paid are retained locally, creating funding for local infrastructure and other needs.
- Support from the Government to ensure that **superfast broadband** is rolled out throughout each zone.
- Government support to offer **simplified local authority planning**.
- 100% **enhanced capital allowances** for businesses making large investments in plant and machinery on certain zones within Assisted Areas.

Enterprise Zones are able to offer large areas of land for development in addition to existing offices and business units that are ready built for supply chain companies, many targeted at the offshore renewable energy sector.

In Budget 2014, the Government renewed its commitment to the Enterprise Zones programme by extending the deadlines for accessing business rate discounts and enhanced capital allowances in Enterprise Zones. This means businesses have until March 2018 to locate on an Enterprise Zone to be able to access business rate discounts. Where enhanced capital allowances are available, businesses have until March 2020 to make their investment.

Further details of the benefits that Enterprise Zones bring to each CORE site are available on the relevant CORE brochure page, along with CORE contacts for each zone.

For more information about investment opportunities in Enterprise Zones visit:
www.enterprisezones.communities.gov.uk



£20 billion of investment expected in UK waters by 2020



Antony Gormley Statue overlooking Burbo Bank, Liverpool City Region CORE.

Centres for Offshore Renewable Engineering (CORE)

In England there are 6 locations that have been awarded special CORE status by the UK Government. CORE status is awarded through recognising the existing port infrastructure, skills, supply chain and local Government support to enable rapid growth within the offshore wind sector.

CORE areas provide:

- Excellent infrastructure and logistics
- Large amounts of available land for development including deep water access
- Skilled and available local workforce
- Experienced supply chain
- Easy access to Round 1, 2 and 3 offshore wind farms
- Extensive business support available
- Local government support providing free location finding services and assistance on skills, premises and grant funding applications.

England's 6 CORE sites are:

North Eastern CORE - consisting of Newcastle, Sunderland, Blyth, Durham and Northumberland.

Tees Valley CORE - consisting of Hartlepool, Stockton, Darlington, Middlesbrough and Redcar & Cleveland.

Humber CORE - consisting of Grimsby, Hull, Immingham.

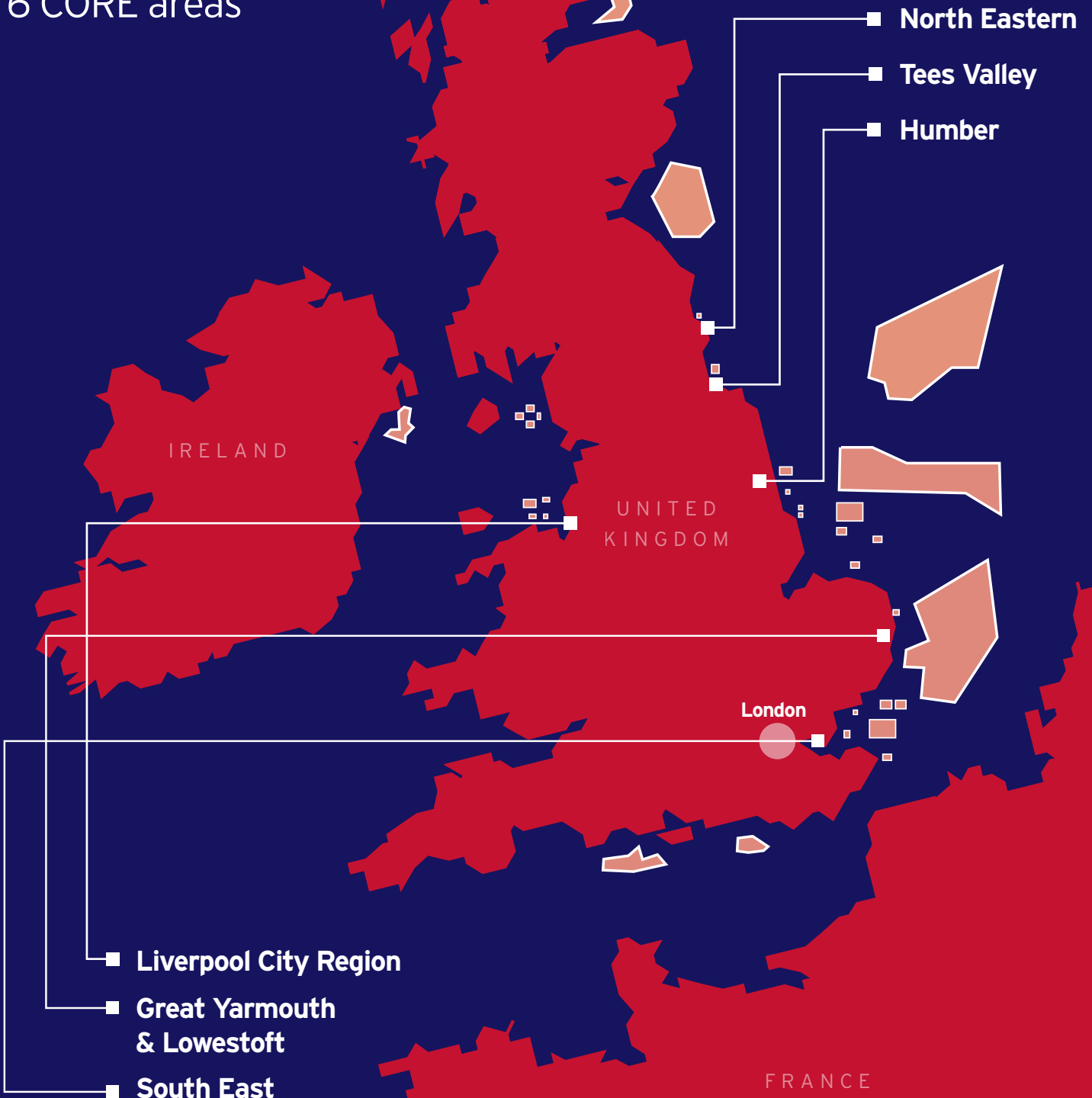
Liverpool City Region CORE - consisting of Liverpool, Wirral, Sefton, Knowsley, St Helens and Widnes.

Great Yarmouth and Lowestoft CORE - Great Yarmouth, Lowestoft, Wells and Beccles.

South East CORE - consisting of Kent and Medway (including Thamesport, Sheerness, Ramsgate and Whitstable) and Essex (Harwich and Brightlingsea).

2020 offshore wind opportunity:

Over 10GW
£20 billion investment
30,000 jobs
6 CORE areas





The North Eastern CORE

Recognised as a primary location to grow the offshore renewables energy market, the area's strong heritage in industrial innovation alongside its geography, infrastructure and established supply chain means it is at the forefront of offshore engineering.

The North East of England is ideal for investment. The area has the shortest access to two of the UK's biggest planned offshore wind farms - Dogger Bank and the Moray Firth.

The North East of England is a gateway to marine related industries. There is a thriving supply chain, with a particular strength in subsea. It is home to world class research facilities including the Offshore Renewable Energy Catapult (formerly Narec) that are driving forward development and innovation in offshore renewables.

Its established reputation in manufacturing attracts internationally companies in the offshore and subsea sector, proving its ability to attract, retain and grow inward investment. This, alongside its first class infrastructure, transport and logistic provisions means that the North East of England is a unique and strategic location.

"The North Eastern area is the perfect location for offshore wind industries to grow and develop. The area is a hugely attractive and successful site for inward investors with extensive collaboration networks, cutting edge research institutions and testing facilities and world renowned universities. It had the fastest growing regional economy in the decade to 2008 and is the only area to post a trade surplus. It is committed to encouraging and supporting businesses to develop and expand, creating more and better jobs through making and trading on a world stage. Its iconic landmarks, vibrant cities and picturesque countryside alongside competitive property prices creates the ideal place for employees to live and work."

Paul Woolston, Chair of North Eastern LEP.

A place to grow and invest

The North East economy is a growing economy. In the last few years employment figures, economic output and productivity have all reached and sustained record levels. Productivity figures in which Gross Added Value (GVA) and hours worked grew by 14% between 2009 and 2012. In particular manufacturing has seen a significant growth in productivity increasing by 50% in the last seven years.

Its growing economy makes it the chosen location for many companies to invest. This includes Nissan in Sunderland and Hitachi at Newton Aycliffe. Nissan's Sunderland plant is the UK's largest and most productive car plant. Their success in the North East has led to them investing £420m into the manufacturing of its 100% electric Nissan LEAF, along with the company's first lithium-ion battery plant outside Japan. Hitachi is also investing in the area, including a new £82m factory at Newton Aycliffe to build high speed trains.

Financial support

There are several sources of funding for investors coming to the North East area. As well as financial incentives on Enterprise Zone sites, there are North East funds available to businesses who create jobs and grow the economy, for example:

The North East Investment Fund - www.nelep.co.uk/ne-investment-fund
The £55m loan fund offers investment for major infrastructure and innovative projects. Investments include new workshop and office facilities to support the offshore wind sector in Blyth.

North East Finance - www.northeastfinance.org -
venture capital for small and medium size companies.

Let's Grow - www.nea2fguide.co.uk/funds/lets-grow -
grant finance to inward investors and high growth businesses.

Exceptional infrastructure and space to grow

The area offers excellent transport links for import and export through Newcastle International Airport and its three deep river ports which offer state of the art logistic solutions - Port of Blyth, Port of Sunderland and Port of Tyne. It also has excellent overland connections with easy access to London and Scotland including two direct trains an hour to London, Edinburgh and the Midlands.

Newcastle International Airport - the North East's largest airport with 4.46m customers in 2013. It connects to 80 destinations directly and provides access to a global network through London, Paris, Amsterdam, Brussels, Dublin and Dubai, including nine daily flights to London and up to four daily flights to Aberdeen.

Port of Blyth - offers strategic sites alongside deep water berths, handling expertise, heavy lift craneage, extensive fabrication storage facilities and access to distribution.

Port of Sunderland - is the second largest municipally owned port in the UK, the Port of Sunderland has a range of sites and premises, with instant access from open sea to deep water river and dock berths. www.portofsunderland.co.uk

Port of Tyne - one of the UK's major deep sea ports, with 250 hectares of available land (30 hectares has Enterprise Zone status), provides world-class handling facilities and integrated logistics solutions combining road, rail and sea transport. www.offshorewindtyne.com



Port of Blyth



Port of Tyne



Port of Sunderland



Narec, Blyth

North East Enterprise Zone Sites

The North East Enterprise Zone covers 115 hectares of land over ten sites across the North East offering the opportunity for businesses to locate in key and strategic sites within the offshore wind sector. By providing supportive planning approach, financial support and incentives the Enterprise Zone sites help businesses to establish themselves as market ready quickly. Support includes enhanced capital allowances up to £100 million and business rate discounts.

North Bank of Tyne

Focussing on advanced manufacturing (subsea), offshore (oil and gas) and renewables, the North Bank of the River Tyne area offers a cluster of three sites. Situated on the banks of the River Tyne the sites total more than 70 hectares.

- Neptune Yard, 18.01 hectares, enhanced capital allowances, local development order approved.
- Swan Hunters, 17.20 hectares, business rate relief, local development order approved.
- Port of Tyne, 30.9 hectares, enhanced capital allowances, local development order due to be approved.

Port of Blyth

Situated adjacent to the Port of Blyth the four cluster sites are all part of the Blyth Estuary Renewable Energy Zone (BEREZ) and next to the Offshore Renewable Energy Catapult (formerly Narec). Focussing on the energy and renewable sectors, the sites offer the opportunity to develop office space, R&D facilities and light industry.

The Enterprise Zone forms part of some 150 hectares of land available for large scale investments with direct quay access, as well as smaller projects requiring fabrication, R&D or office facilities.

The four sites have simplified planning processes and offer either enhanced capital allowances or business rate relief.

- Dun Cow Quay, 0.51 hectares, business rate relief.
- Commissioners Quay, 2.08 hectares, business rate relief.
- East Sleekburn, 11.13 hectares, enhanced capital allowances, local development order approved.
- Bates, 3.04 hectares, enhanced capital allowances, local development order approved.

A global market with an established supply chain

The North East's reputation to attract, retain and grow inward investment has led to global offshore wind and subsea companies choosing to locate here. It has become a gateway to marine related industries, building on its established reputation as a world provider for manufacturing.

The area has a highly developed supply chain to the offshore and renewables industry. Its long tradition of heavy engineering and experience in the oil and gas industry mean it has a world leading supply chain with over 250 companies invested in offshore wind supply.

Siemens: a leading global engineering and technology services company across the key sectors of energy, industry, infrastructure and cities, and healthcare.

Vattenfall Wind Energy: one of Europe's largest generators of electricity and the largest producer of heat, the company's primary markets are Scandinavia, Germany and the Netherlands.

Liebherr: one of the world's leading manufacturers of construction machinery and a supplier of technically innovative, user-oriented products and services in numerous other fields.

Maersk Training: provides training for the maritime, oil and gas, offshore wind, and crane industries.

A&P Tyne: a leading engineering services and fabrication group providing tailor-made solutions for customers in the global marine and energy sectors.

Offshore Group Newcastle: a UK company working in offshore oil and gas and the renewable energy industries, offering professional services including engineering, design and installation.

Doosan Babcock Energy: builds, maintains and extends the life of power plants across the world.

IHC Engineering: delivers bespoke engineering solutions for complex offshore applications with core expertise in pipe and cable laying, subsea trenching, and offshore handling.

SMD: one of the world's leading manufacturers of remote subsea intervention equipment, operating in hazardous environments worldwide.

Houlder: is an innovative engineering services company that supports the design, build, operation and enhancement of marine assets. It has been bringing clarity to client and industry challenges in the North East for 30 years.

Advanced Industrial Solutions: AIS Training delivers world-class accredited offshore and heights training from state-of-the-art facilities, which includes their own onsite 'The Hotel at AIS' whilst AIS Technical manufacturers award winning insulation and passive fire protection jackets to a global market place.

"The North East of England has a long established and globally competitive manufacturing and service sector supporting the offshore Oil & Gas industry. Many companies that were focused exclusively on offshore and subsea oil & gas have already expanded to include offshore wind and are currently engaged in offshore wind projects worldwide. The Offshore Engineering sector in the North East of England has invested ahead of the curve and is now ready and eager to play a big role in the growth of offshore wind in the UK and beyond."

Michael Bellamy, General Manager GE Oil and Gas and North East LEP Board Member.



Subsea Plough made by SMD, Newcastle



Reef Subsea Umbilicals



Jacket construction at OGN, Wallsend



Newcastle College's Energy Training Academy



SMD QT-1000 in testing, North Eastern CORE



Samsung Heavy Industries 7MW nacelle arriving at Narec



Holder fabricated 200t offshore wind gripper arms



Shepherd Offshore

Highly skilled workforce

Engineering and manufacturing play a dynamic role in the North East economy, providing the area with the skills needed to embrace the challenges of offshore wind activity.

This is supported by four world class universities, which are leading the way in developing innovation including subsea and offshore engineering. These include Newcastle University's Neptune National Centre for Subsea and Offshore Engineering, on the River Tyne adjacent to the Enterprise Zone site and many of the area's key offshore businesses.

Complementing the universities are a network of 9 colleges and numerous training facilities providing the area with one of the strongest pools of relevant skills in the UK. These include:

Newcastle College's Energy Training Academy - provides a hub for offshore wind and wind technologies skills, training and development **Gateshead College Skills Academy for Sustainable Manufacturing and Innovation (SASMI)** - a world class centre to train workers for green industry that trains the future workforce with the skills they need to work in low carbon industries.

"The North Eastern Core has the capability to deliver the skills and knowledge required for the future of the renewable energy sector. Our world class universities, colleges and private providers are geared towards delivering the engineering and offshore skills that the North East is famous for and which are a key driver of our future. Access to state of the art facilities and alignment to our research capability ensures that we are delivering tomorrow's people today."

Andrew Hodgson Chief Executive SMD, Chair of Subsea North East, Vice Chair of the North East LEP.

World class facilities

The North East of England is home to a number of advanced knowledge networks, research institutes and centres of excellence for the testing and commercialisation of renewable technology.

The Offshore Renewable Energy Catapult (formerly Narec), located in Blyth, Northumberland provides the most comprehensive open-access test and research facilities anywhere in the world. Its reliability, design verification and accelerated life testing facilities (electrical and mechanical) provides the perfect environment for companies to develop new technologies. The centre offers access to world-leading independent research helping to de-risk projects and encouraging supply chains to use technology sooner. The centre also plays an important role in attracting and anchoring internationally mobile investment in the UK.

Its facilities include:

- 15MW Capacity Wind Turbine Drive Train Test Facility
- 3MW Capacity Turbine Drive Train Test Facility
- 100M Wind Turbine Blade Test Facility
- 50M Wind Turbine Blade Test Facility
- Electrical and Materials Test Laboratory
- Wet and Dry Dock Test Facilities
- 100MW Capacity Blyth Offshore Wind Demonstration Site
- Offshore Anemometry Hub

For more information see: www.narec.co.uk

The Neptune National Centre for Subsea and Offshore Engineering

Newcastle University is leading the development of a new national centre that will develop new materials and technologies to explore the world's oceans. The facility will be the first of its kind in the UK, bringing together industry and academia to create a world-class engineering research facility.

Networks

The North East of England has a strong support network for businesses involved in the energy sectors. For example NOF Energy, a leading business development organisation based in Durham, is one of many organisation involved in supporting and growing the energy supply chain, nationally and internationally.

NOF Energy

Based in Durham, NOF Energy is a business development organisation who works on behalf of the offshore renewables industry to identify global.

Energi Coast

The representative group for North East England's offshore renewables sector, promoting the region's extensive offshore renewable energy sector expertise and unique offering to industry.

Subsea North East

The advocacy group for North East England's subsea sector, promoting the region's innovation and excellence in the development of subsea technologies and solutions.

NETPark Net

NETPark Net is a virtual innovation support network which provides access to a range of business support services for companies within engineering, science and technology.

"The North East area is ideally placed to meet the opportunity presented by the world's largest offshore wind market. With full connectivity to rail, road and air transport, access to a skilled and flexible labour pool, and the leading advanced research centre on the doorstep, this region is ready to rapidly deliver a major centre for manufacturing, maintenance and service of offshore wind turbines."

Andrew Moffat, CEO, Port of Tyne



Offshore Group Newcastle (OGN)



Tekmar subsea cable, umbilical and flexible protection systems



Rubber-lined guides by Barrier and Aquaseal on the Humber Gateway Project



AIS Offshore Survival Training



A&P Tyne, Newcastle

For more information or to request the full North Eastern CORE prospectus please contact:

Contact: Helen Golightly
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Email: Helen.Golightly@nelep.co.uk
Web: www.nelep.co.uk

Tees Valley CORE



Tees Valley is a prime location for investment with a 50 year track record of delivering large scale projects in the oil and gas, ship building and now offshore wind industries.

Tees Valley is centrally located on the UK's east coast and is an ideal location to access the North Sea.

The area has excellent links with Scotland, the North East and the Humber, providing a pivotal role in the UK supply chain. Tees Valley is an excellent location for servicing the UK market, including Siemens in the Humber, and provides significant logistics cost savings against shipping from other parts of Western Europe.

Tees Valley's main strengths are in its 9 deep water sites, 12 Enterprise Zones and its world leading supply chain. There are also over 16GW of offshore wind developments within 90 nautical miles.

Home to one of the largest chemical sites in Europe, the very heart of Tees Valley is in the energy industry. As a regional economy it has diversified over time to become a world leader in supplying the world with high value chemicals and compounds, steel from SSI and TATA, and supporting UK energy demand from nuclear, offshore wind, onshore wind, biomass, and world leading waste to energy projects.

Within the region you will find 5 star golf & spa resorts and £1m+ executive housing, however average house prices are also some of the lowest in the UK. Tees Valley also boasts some of the finest countryside the UK can offer.

In offshore wind, Tees Valley has one of the most complete supply chains anywhere in the UK and, combined with its proximity to market and available workforce, this makes Tees Valley a perfect location to invest.

With the exception of South Bank Wharf, all of the regions port sites are available today for immediate project start. Ports such as ABLE Middlesbrough Port could be operational within months, allowing investors to start supplying from 2015. Having port sites ready today reduces investment risk by removing the uncertainty of sites not being ready.

For potential investors there is support from Tees Valley Unlimited to answer any questions, provide tours of the area and support your business in making its investment decision. This one to one support continues for the life of the investment.

Engineering heritage: The heritage and expertise of the manufacturing and engineering sector in Tees Valley ranges from automotive, ship building, chemicals, pharmaceuticals, steel, construction and energy. Its experience is world-renowned and continues to innovate.

One of the largest oil and gas clusters in the UK. The oil and gas supply chain in Tees Valley is made up of over 400 direct, and 3,000 indirect companies employing over 4,250 people. The Tees Valley hosts leading industry names, including BP Cats, ConocoPhillips, SABIC, Lotte, Huntsman, Wilton Engineering and Heerema.

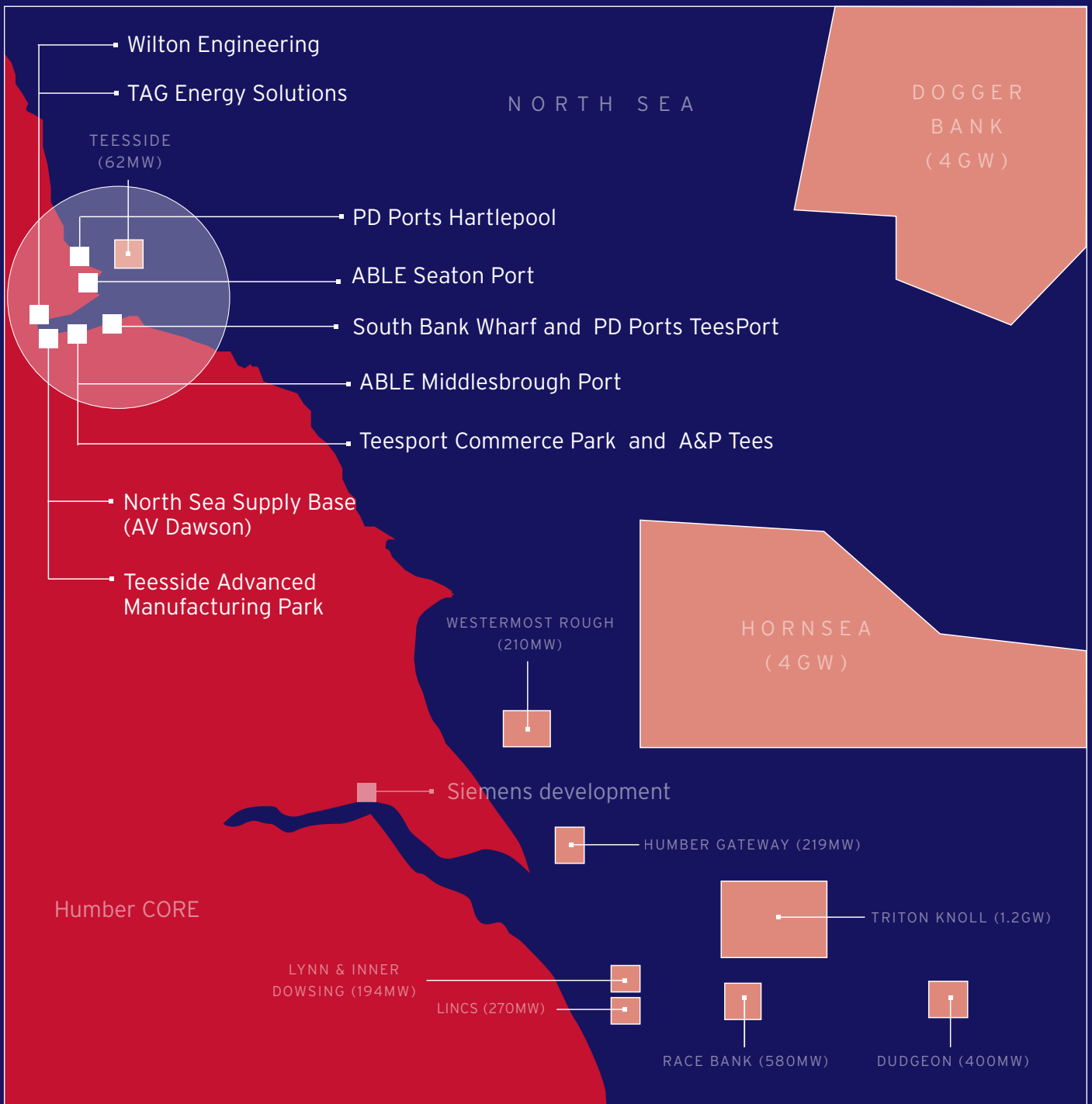
Logistics: Tees Valley has the fastest-flowing urban traffic speeds in the UK, integrated rail connected port sites and three international airports within one hours drive. It also boasts rail links to London (2hrs 25mins), Edinburgh (2 hours) and Newcastle (30mins)

Cost competitive location: Tees Valley has some of the lowest operating costs in the UK with rents and rates around half that of major UK cities, a quarter of those in London and up to six times cheaper than Aberdeen.

Availability of skilled staff: Tees Valley has a ready skilled labour force which is one of the most affordable in the UK. Wage rates are, on average, 10% lower than the national average and there is a wide pool of available labour. Tees Valley is home to 30,000 university students and is within one hour's drive of six top class universities, where over 9,000 students take engineering each year.

Growing reputation as a renewable energy location: Tees Valley is at the cutting edge of renewable energy developments, including one of the world's first industrial Carbon Capture and Storage (CCS) projects.

Innovative financial support for ambitious businesses: Tees Valley also has the Tees Valley Catalyst Fund which provides the cash security for performance and warranty bonds to allow companies to bid on bigger contracts. The Catalyst Fund is open to any company within Tees Valley, and the fund is the first of its kind in the world.



Turbine blades being loaded out at PD Ports Hartlepool. [Click for video on developing careers in Tees Valley.](#)



Pile moving at TAG Energy Solutions fabrication yard, Billingham, Stockton-on-Tees

Opportunities

Major opportunities to invest in Tees Valley include foundations, cables, substations, towers and the subsea sector. Each of these complement the existing supply chain and infrastructure.

Tees Valley is also known as an excellent low cost location for suppliers looking to source / dual source components when setting up factories across Europe.

Tees Valley is at the forefront of floating offshore wind turbines through our expert supply chain and key assets, including the largest dry dock in Europe, ABLE Seaton Port. ABLE Seaton Port offers the perfect solution to build any offshore structure 'dry' and then float out directly to site, and is ideally located for the Round 3 developments.

World Leading Supply Chain

Tees Valley currently supplies almost every stage of offshore wind supply chain from grid connection to the turbine foundations. From the steelworks at SSI to the large fabrication yards of Heerema and Wilton Engineering, there is an integrated supply chain ready to support your business.

Tees Valley is home to one of the worlds' largest clusters of subsea companies, and also has world leading engineering design companies such as Nortech Solutions.

Tees Valley is also supported by excellent business networks, including NOF Energy and the Teesside Engineering Network. Both excellent ways to become integrated into the UK supply chain.

Steel: TATA Steel, SSI

Fabrication: Heerema, Wilton Engineering, Cordell Group, SBV Fabrications, A&P, Hertel, Francis Brown, AF Gruppen, McDermott International

Engineering design: Nortech Group, Wilton Engineering, K Home International, Jacobs, Fabricom Offshore Services

Monopiles: TAG Energy Solutions

Subsea: DeepOcean, Modus, Reef Subsea, Prysmian, IHC Merwede, VBMS, Oceaneering

A-frames: Subsea Innovation, Ennsb

Array Cables: JDR Cables

Logistics and Installation: PD Ports, AV Dawson, Osprey Shipping, ALE Heavylift

Modular Units / Blast Protection: MTE, Barrier Architectural Services

Shipping Agency: Casper Shipping

Cable Carousels: Marine Fabricators Ltd

Vessels: MPI Offshore

Vessel Repair: A&P Tees

Asset Management: Axiom Engineering Associates, Stork

Hydraulic Systems Engineering: Industrial and Marine Hydraulics Ltd

Nacelle Panels & Composites: Millfield Composites.

Operation and Maintenance: EDF Energy Renewables

Research and Development: The Welding Institute (TWI), CPI, Teesside University

Health and Safety: Steel River Consultants

Recruitment and Executive Search: Watson Lily, Nortech Staffing Solutions

Legal: Bond Dickinson, Endeavour Partnership, Muckle LLP, Eversheds

Accountancy: Tait Walker, Clive Owen, Evolution LLP, KPMG

Finance: Barclays, HSBC, Santander, FW Capital, NEL, Northstar Ventures, Lloyds

Support Services: Tees Valley Business Compass, Unasys, Phusion, Spearhead Interactive, Global Energy Group

Skills

The training provision in Tees Valley is very well developed and has supported the engineering sector for over 100 years.

Technical Training: TTE & NETA

TTE Technical Training Group provide specialist technical training, consultancy and apprenticeships in the UK and Internationally for the Oil & Gas, Energy, Manufacturing, Engineering and Petrochemical industries.

High Voltage Training: Faraday Centre

Rope Access: Teesside Industrial Solutions

Offshore Survival Training: Offshore Marine Academy, Falck Safety Services.

Falck Safety Services, located in Stockton-on-Tees, are the biggest offshore safety trainers in the UK, training in excess of 30,000 delegates per year.

Rigging and Lifting: Teesside Rigging and Lifting.

Further Education: Darlington College, Hartlepool College, Middlesbrough College, Stockton Riverside College, Redcar & Cleveland College.

Higher Education: Teesside University. There are 6 leading universities within 1 hour. Durham University also has a campus in Stockton-on-Tees.

Subsea: Tees Valley hosts the Centre for Subsea Technology Awareness, Training and Education (C-STATE) a unique collaboration between industry and academia. C-STATE has been created to address the growing skills gap in the subsea engineering and service sectors by providing an unrivalled platform for specialist training and education.

Tees Valley has special programs - 'High Tide' from PD Ports and 'Champions of Wind' from FOREWIND to get young people into the industry.



TATA Steel has a new £2m offshore processing centre (OPC) producing welded tubular assemblies for jacket foundations.



DeepOcean's T-3200 is the world's most sophisticated subsea trenching system. Headquartered in Darlington.



JDR Cables, Hartlepool



Centre for Subsea Technology Awareness, Training and Education (C-STATE), Darlington



Wilton Engineering, Multi-discipline Engineering Services provider, Middlesbrough



Substation loadout at Heerema Fabrication Yard, Hartlepool



Subsea vessel mobilisation at North Sea Supply Base, AV Dawson Logistics hub and fabrication yard, Middlesbrough



Teesside Offshore Wind Farm, EDF Energy YouTube Video

Investment Sites

Tees Valley has 12 Enterprise Zone sites with a total of 423 hectares available for new business investment.

The Enterprise Zone encompasses a wide range of sites including a number with existing units (11 office and six industrial units currently available, plus 12,500 square feet of smaller units). The sites include both new and established business and enterprise parks, plus large cleared industrial sites with access to utilities, port services and logistics.

Four sites have Enhanced Capital Allowances up to £100 million and simplified planning: South Bank Wharf, Hartlepool Port Estates, New Energy and Technology Park and Wilton International.

A further eight sites have Business Rate Relief of up to £275,000 over five years and are perfect for all levels of the supply chain.

Enhanced Capital Allowance Enterprise Zones:

South Bank Wharf, Redcar & Cleveland (80.7 hectares) South Bank Wharf is one of the prime freehold opportunities with deep water access in Europe. Perfect for a large offshore investment with quay access, the site already has 10.4m water depth with the ability to dredge. The site is located next to Teesport, the UK's largest exporting port, and has 350m river frontage and is close to the integrated chemical site at Wilton International.

Hartlepool Port Estates, Hartlepool (56.9 hectares) Part of the existing operating port in Hartlepool and ideal for renewable energy or advanced engineering companies. Fully serviced with five quays, a total length of 900m across three berths. The site is already home to major international companies such as Heerema and JDR Cables.

New Energy & Technology Park, Stockton-on-Tees (41.3 hectares) Part of the Seal Sands energy and chemicals hub the site was recently cleared and levelled. It has B2 planning designation permitting land to be developed for potentially high hazard plant and energy generation. US energy company Air Products have chosen this as a site to build a Renewable Energy Facility.

Wilton International, Redcar & Cleveland (164 hectares) Five development plots are available at Wilton International. The fully serviced chemical complex has existing infrastructure including power, steam and water giving companies the opportunity to 'plug and play'. The site is also close to Wilton Centre R&D facility and has pipe linkages to the north of the River Tees, which also offers jetties and storage facilities.

Business Rate Relief Enterprise Zones:

Queens Meadow Business Park, Hartlepool (13.6 hectares) Existing business park with offices and industrial units. Located close to Hartlepool Port Estates and ABLE Seaton Port.

Teesside Advanced Manufacturing Park, Middlesbrough (11 hectares) The site will host an Offshore Wind Validation Centre which will provide research into fabrication methods for offshore wind turbine towers and foundations, plus validation services aimed at helping manufacturers prove their validity to prospective financiers and insurers.

Kirkleatham Business Park, Redcar & Cleveland (12.6 hectares) Existing units next to the integrated chemical site Wilton International. Located close to South Bank Wharf Enterprise Zone.

Belasis Business Park, Stockton-on-Tees (8.5 hectares) An established business park with existing office units, this site is perfect for companies in any sector looking to move or expand into the area. Located close to TAG Energy Solutions and Wilton Engineering.

Other key sites:

ABLE Seaton Port, 126 acres of land with the largest dry dock in Europe.
www.ableuk.com

ABLE Middlesbrough Port, 40 acres of land with 200,000 sq ft of existing units inc crantage. www.ableuk.com

North Sea Supply Base, AV Dawson Multimodal logistics centre, Middlesbrough
www.av-dawson.com

PD Teesport, covers 779 acres and handles over 5000 vessels and 38 million tonnes of cargo every year www.pdports.co.uk

A&P Tees, Centre of Excellence for offshore vessels www.ap-group.co.uk

Teesport Commerce Park (formerly Tees Offshore Base), Middlesbrough
www.pdports.co.uk

Durham Tees Valley Airport, with regular flights to European destinations.
www.durhamteesvalleyairport.com

Wynyard Park is a high class 700 acre mixed use development extremely popular with companies in the energy sector.
www.wynyardpark.com



Hartlepool Port Estates, PD Ports, Enterprise Zone Site (56.9 hectares)



South Bank Wharf, Enterprise Zone Site, Redcar & Cleveland (80.7 hectares)



ABLE Middlesbrough Port, Middlesbrough (40 acres)



ABLE Seaton Port, Hartlepool (126 acres)



Queens Meadow Enterprise Zone Site, Hartlepool (13.6 hectares)



Teesside Advanced Manufacturing Park, Middlesbrough (11 hectares)



Durham Tees Valley Airport, with regular flights to European destinations. www.durhamteesvalleyairport.com

For more information on accessing the supply chain in Tees Valley or to use our free location finding service, please contact:

Contact: John Leer
 Tel: +44 (0)1642 632007
 Email: john.leer@teesvalleyunlimited.gov.uk
 Web: www.TeesValleyUnlimited.gov.uk

The Humber CORE



The Humber has brought power to the UK for decades in the form of coal, oil and gas. Today we are creating one of the world's largest renewable energy clusters - from leading the UK in biofuels to driving innovation in tidal energy, and we're well placed to capitalise on offshore wind opportunities.

"The Humber Estuary can support the whole lifecycle of offshore wind developments; through development, manufacture, construction and operations and maintenance"

Key Attributes

- The UK's largest ports complex by tonnage and the 4th largest in Europe.
- Deep water ports, optimally located closest to the largest Round 3 offshore wind sites.
- 80% of all North Sea wind power zones and 60% of the entire European market (2020) are within 12 hours sailing time.
- The largest Enterprise Zone in England, offering nearly 400 hectares of development land and optimal site layout for Original Equipment manufacturers (OEMs) and their supply chains with a wide range of financial incentives available to those looking to set up facilities there.
- The Port of Grimsby, closest to the mouth of the Humber, is already an established operations and maintenance base servicing Round 1 and 2 offshore wind farms. Companies already operating from the port include Siemens, Centrica, Eon, DONG Energy and RES.
- Utilities, direct rail access and excellent motorway connections, including England's largest helicopter terminal at Humberside Airport.
- Daily shipping services to Holland, Belgium, Germany, Denmark and other Continental locations.
- Home to leading businesses including Associated British Ports, BAE Systems, BP, Phillips66, Reckitt Benckiser, Smith & Nephew, Tata Steel, Total, Vivergo Fuels and Youngs.

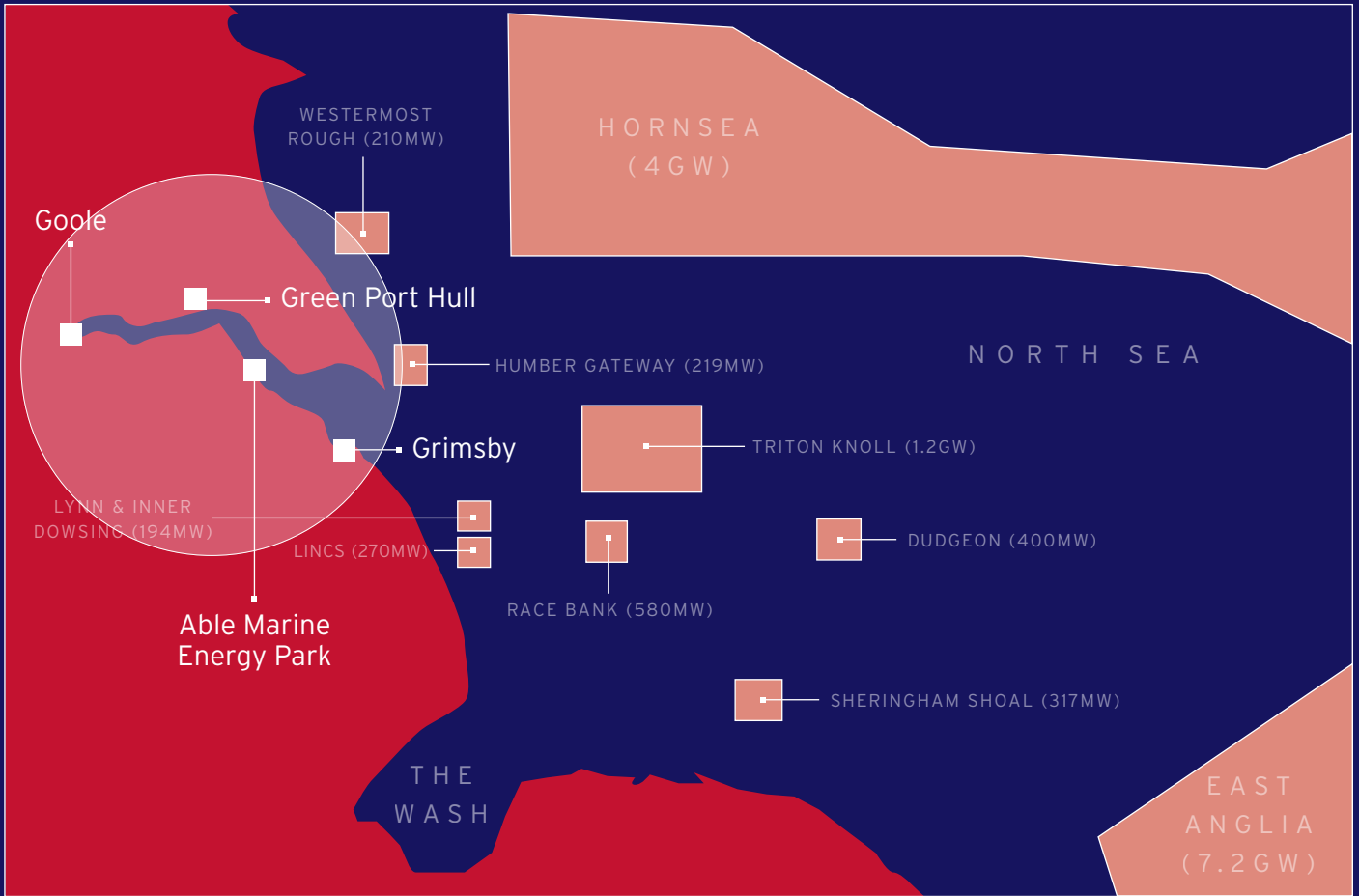
The Humber is the closest to all three of the UK's largest planned offshore wind farms. Names including Centrica, RES, Siemens, Dong Energy, Eon, Vestas, Fisher Marine, Geosea, Osiris, Turbine Transfer, Windcat and MPI have already established a base here.

The UK's largest deep water port-side development sites. At 484 hectares, the Humber Enterprise Zone is the largest in the country offering OEMs and their supply chains the opportunity to co-locate to make cost reductions on a major scale.

Fast track planning and financial incentives. A key benefit of development land within the Humber Enterprise Zone is the simplified planning process, tax breaks and £35 million Regional Growth Fund for training, R&D and capital investments.

Skills and expertise. We have 25,000 people employed in advanced and marine engineering and offer fabrication and assembly, port and portside services, turbine maintenance, vessel operation and maintenance, turbine access and safety, and logistics.

Enterprise Zones. The Humber's Enterprise Zones feature nearly 400 hectares of prime development land, more than anywhere else in the UK. All have excellent transport infrastructure, a faster simpler planning process and support from partners to fast-track development. Superfast broadband is also being rolled out across these sites.



Green Port Hull



ABLE Marine Energy Park



Load out of transition piece at Port of Grimsby



Operation and Maintenance craft at Port of Grimsby



People and Skills

The Humber provides a broad range of transferable manufacturing and engineering skills required by the offshore wind sector. As home to key players in shipping and logistics, engineering, chemicals, advanced manufacturing and aerospace industries, high quality industry led training provision is well established.

- A population of over 921,200.
- Access to graduates from some of the UK's leading higher and further education providers; from Universities of Hull, Sheffield, Leeds and York.
- The University of Hull has maintained a place in the 'Top 10 Higher Education Institutions for Graduate employability year on year and is providing renewables specific Masters and CPD courses.
- Short Course training is available from local providers including in First Aid, Offshore Survival, Confined Spaces and coming soon in Working at Height.
- Engineering based vocational training can be obtained from the leading college based training in the region.
- Funding for engineering and marine focused apprenticeships, up-skilling and industry specific skills is available through our Regional Growth Fund allocation.

Supply Chain and Support Services

The region is a growing centre for offshore wind, providing services and facilities to support the entire lifecycle of the projects. Some of the capabilities of the companies in the Humber, include:

- Fabrication and assembly
- Port and portside services
- Turbine access and maintenance
- Vessel operation and charter
- Shipbuilding and repair
- Offshore engineering
- Marine services
- Marine electrical
- Offshore training
- Specialist logistics
- Legal and professional services

Quality of Life

The right place to live, work and play. In addition to its highly-developed industrial and commercial infrastructure, the Humber has outstanding assets in terms of its built, natural and cultural heritage. The urban, rural and coastal mix of the Humber provides a wide and accessible variety of landscapes and lifestyles. The Humber offers some of the most affordable and high quality housing in the country, ranging from city centre apartments, waterside developments, vibrant market towns and picturesque rural villages.

Team Humber MARINE ALLIANCE

Team Humber Marine Alliance

Turning the region into a centre of excellence for renewable energy is a key goal for Team Humber Marine Alliance. The 170 member companies possess proven skills and experience to drive the green revolution, covering the full supply chain from manufacturing, engineering, research and development, through construction, commissioning, operations and maintenance. Acting as a marketing arm for members, Team Humber under its 'strength in numbers' banner enables customers to access a full range of services provided by different companies through a single contact point. Team Humber is based at the World Trade Centre Hull & Humber.

www.thma.co.uk

Support for Investors

There are dedicated teams across the Humber integrated local supply chains, partnerships and networks that provide a first-class support services to meet the needs of potential investors. The Humber Local Enterprise Partnership is private sector-led partnership with local government and the University of Hull., charged with driving economic growth in the Humber. The LEP works with local partners and national Government to support the development.



Specialist engineers Spencer Group delivering civil infrastructure works for the onshore substation, to feed electricity generated by E.ON's Humber Gateway Offshore Wind farm into the national grid.



Danish company Blue Water Danbrit UK invested in the Humber in 2011 to provide logistics services for the UK wind industry.



England's busiest Heliport carrying personnel and high value electronic components to offshore North Sea operations.



Tata Steel, providing steel plate for wind towers.

Port of Hull, Green Port Hull

Green Port Hull, only 12 hours' sailing time from three of the UK's largest round 3 offshore wind zones in the North Sea, is directly adjacent to a natural deep water channel and is perfectly positioned for the receipt of and subsequent dispatch of turbines for installation to the offshore wind farms.

Siemens, one of the world's leading wind turbine manufacturers, has selected Green Port Hull as its preferred location to develop a new offshore wind turbine nacelle manufacturing and export facility. The facility will be located in Hull's Alexandra Dock and, when fully operational, will employ approximately 700 people directly on the site and create thousands of support roles within new and existing supply chain companies. In addition, there are over 250ha of development sites available for renewable energy projects within the port including Albert & William Wright Docks, Queen Elizabeth Dock and Paull (including over 100ha with EZ status) and all of which provide access to deep water or potential deep water facilities.

www.greenporthull.co.uk
www.abports.co.uk

Port of Grimsby

Grimsby is fast becoming the centre of excellent for operations and maintenance (O&M) activities for offshore wind farms in the North Sea.

As the most easterly Humber port, Grimsby is the closest to the windfarms and is already the base for Siemens, Eon, Vestas, Centrica and DONG Energy and is owned by Associated British Ports. Ongoing investment in key offshore wind related projects will further enhance the operating environment for offshore wind operators. The port includes sites under the Humber Enterprise Zone with 11ha identified for the development of the offshore wind O&M and related activities. Most recently ABP have invested approximately £26m in a new river terminal, outer berthing facility.

www.abports.co.uk

Port of Immingham

Owned by Associated British Ports, the Port of Immingham is the UK's largest port by tonnage handled, and its deep water location on the Humber Estuary provides exceptional access to trade routes between the UK and Scandinavia, the Baltic states and mainland Europe, with links extending to North and South America, Africa, Australia, the Middle East and the Far East. The port has seen dramatic expansion of

facilities over the last 10 years with ABP investing in the order of £250m to develop riverside terminals, unit load terminals, new specialist warehouse and cargo-handling equipment.

Able Marine Energy Park

Able Marine Energy Park (AMEP) is located centrally in the UK on the South Bank of the River Humber adjacent to the Humber Sea Terminal. It forms the UK's largest developable land bank with a deep water frontage (320ha). AMEP will provide a purpose-built, environmentally friendly facility to suit the needs of the Offshore Marine Renewable Sector - particularly offshore wind.

AMEP quays will be available from early 2016. Able will operate a new charging model for these quays allowing tenant who require frequent usage the opportunity to rent exclusive sections of the quay. This operating model is different to the traditional ports' charging mechanism and offers transparency and flexibility to the sector.

AMEP's quays and large land banks provide a real opportunity for the Humber to develop a fully integrated offshore wind cluster where economies of scale can be achieved.

www.ableuk.com

For more information or to request the full Humber CORE prospectus please contact:

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 Email: e.toulson@humberlep.org
 Web: www.thehumber.com

Liverpool City Region CORE



Liverpool City Region is the leading centre for marine energy on the UK's West Coast. It offers a globally connected port, world renowned marine fabrication facilities and a large engineering talent pool all of which are immediately available.

The CORE area has a range of benefits available to businesses locating here including; Enterprise Zone Status, Enhanced Capital allowances, world renowned engineering capabilities, one of the largest construction halls in Europe and streamlined planning processes.

Liverpool City Region CORE offers a high capacity, lower cost and lower risk delivery solution to servicing the rapidly expanding west coast market, building on existing proven capabilities. It has an extensive supply chain of companies which are already operating in the Offshore Wind sector and an array of companies with the capabilities to diversify into the sector.

Liverpool City Region - only CORE area on the West Coast

- RWE are based in Cammell Laird for the installation and technical support of the Irish Sea Offshore wind farms.
- Already a centre for companies such as ABB, Siemens, DONG Energy, Maersk, RWE, Jaguar Land Rover, Unilever and Bibby.

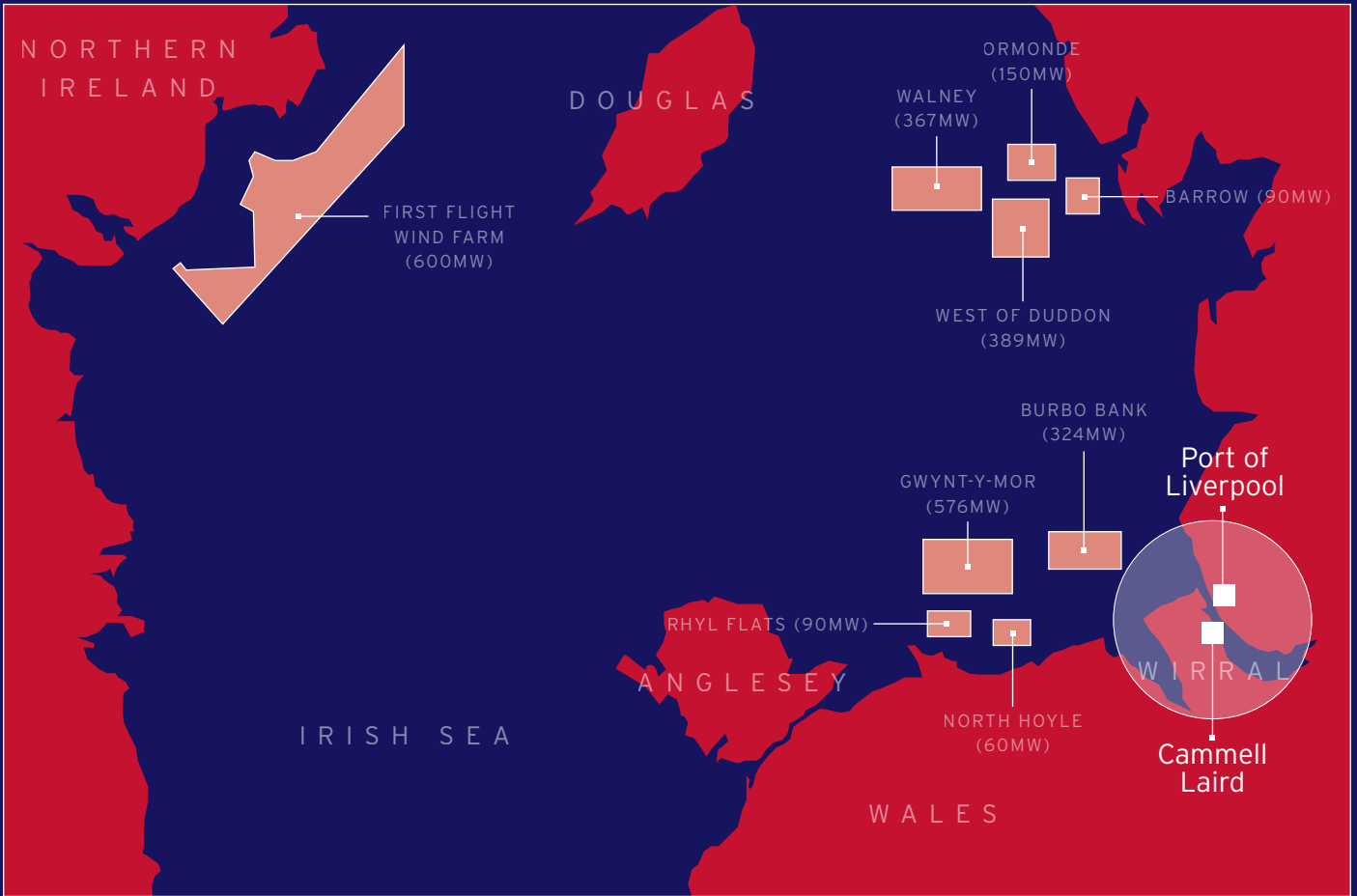
LCR CORE is ideally situated to serve two major new Offshore Wind Farms in the Irish Sea:

Gwynt y Mor is the largest Wind Farm in Europe currently under construction. Once operational by the end of 2014 it will have 160 turbines and 576 MW capacity.

Burbo Bank Extension in the Liverpool Bay will have 258 MW of capacity and is currently going through consenting processes. Due to be operational in 2015.

Port and Manufacturing Facilities

- Largest West Coast port complex alongside two international airports with direct shipping and air services to key European and global centres.
- Cammell Laird, based in Wirral, is ideally placed to serve customers requiring the construction or servicing of large structures anywhere in the world. Its geographical position on the River Mersey on the West Coast of Britain enables it to transport large structures by sea that would be impossible to transport by road. With one of the largest construction halls in Europe, Cammell Laird is ideally located to construct, manufacture and assemble components for the Offshore Wind industry.
- Cammell Laird has a wet basin which enables it to load units into the cargo hold of a vessel with no tidal restrictions. It can also load structures out onto the deck of a barge or semi submersible barge for transporting globally.
- Cammell Laird also offers the largest heavy fabrication, marine engineering and maintenance base port facilities on the UK's West Coast.
- Deep water port facilities close to the offshore wind farm development zones.



Port of Liverpool



Cammell Laird Ship Yard



MPI Resolution - Offshore construction vessel



Cammell Laird Ship Yard

Enterprise Zone Status

Businesses investing in the Mersey Waters EZ will be able to benefit from:

- Enhanced capital allowances – the only site in the North West and one of only two sites in the north of England – companies investing in plant and machinery can claim up to 100% tax relief.
- Up to 100% business rate relief worth up to £275,000 over a 5 year period,
- Streamlined planning legislation that smooths the consent and planning process making it swifter and more business friendly.
- Government support to ensure superfast broadband is rolled out.

www.peelez.co.uk

Financial Incentives

- The City Region benefits from European Union Assisted Area Status, from a designated European Funding programme and is eligible for Port Infrastructure Funding.
- Wirral Council has £5m from Government’s Regional Growth Fund to support investment in the offshore wind sector. Programmes of support and financial assistance are available to businesses looking to locate in Wirral within the offshore wind renewables sector.
- Through RGF funding Wirral will also be developing a Marine Energy Business park, creating a new supply chain location with good logistical access to the port and surrounding infrastructure.
- 21st Century Freeport status in the EZ - continued dialogue with Her Majesties Revenue and Customs is taking place to provide a virtual ‘Freeport’ in Wirral’s Enterprise Zone. Inward processing and customs warehousing will enable goods to be monitored electronically and held tax free until released to the market.

Regulatory Red Tape Pilot

- Government is supporting work to progress the streamlining of local planning processes for the offshore wind and energy industry.
- The pilot reduces regulatory burdens, speeds up the local planning and consenting processes and reduces consenting risks by ensuring that clear, consistent and joined up guidance is given to developers early in the process.

Location Support

- Mersey Maritime Group - supports business growth by promoting knowledge exchange and driving efficiencies through the maritime and offshore supply chain.
- Local dedicated business support teams across the LCR to help businesses with business support services, skills support and property searches.



Osiris Projects’ specialist semi-SWATH DP1 survey vessel ‘MV Bibby Tethra’



RWE based at Cammell Laird



Survey work being undertaken by Osiris Projects using Bibby Tethra



World famous Liverpool City skyline

Local Companies – International Success

The Liverpool City Region has a growing number of companies serving the offshore wind sector and providing proven capacity and skills across the supply chain. Examples of such expertise includes:

Osiris Projects

Osiris Projects provides a vital service to the offshore wind sector; acquiring, interpreting and presenting highly accurate and precisely positioned seabed and sub seabed data. The company owns and operates five specialist coastal survey vessels, each mobilised with advanced survey sensors, positioning systems and sampling equipment.

Osiris Projects has worked extensively on Round 1 and 2, and more recently, Round 3 offshore wind sites in the UK, in addition to numerous Scottish and European licensing areas.

HSSE

Hughes Sub Surface Engineering (HSSE) – a commercial diving and specialist offshore services company has been awarded a £5million contract to support the construction of Gwynt y Mor offshore wind farm in Liverpool bay. HSSE has been working hard to meet the needs of the renewables industry and now it is one of the largest suppliers of diving services to the offshore wind industry.

Experienced skills base

- Highly skilled local workforce with engineering and manufacturing expertise, with a full array of shipyard skills.
- The Ports, Logistics and Maritime sector in the Liverpool City Region has over 1,700 firms and employs approximately 28,000 people.

Education and Training opportunities

- John Percival Marine Associates training school in Hoylake offers workboat deck training courses and tuition to the Merchant Navy, super yacht and workboat professionals.
- Extensive research institutions and universities within the LCR with world renowned reputation for work in renewable energy and strong links to the industry. This includes:
 - Liverpool John Moores University (LJMU) Marine Academy is a world leader in marine, offshore and transport studies
 - University of Liverpool's Stephenson Institute for Renewable Energy leading on research within the university
 - The National Oceanography Centre (NOC) is an internationally recognised research centre focussed on world class oceanography research

Integrated Marine Energy Innovation Campus

The LCR is seen as a centre of excellence for marine-related engineering with:

- Excellent port infrastructure, ship yard and maintenance facilities with Cammell Laird being one of the UK's leading marine heavy engineering and fabrication companies with a full array of shipyard skills.
- The North West Maritime and Engineering College - www.mecnw.co.uk
- Strong supply chain with companies also involved in promoting technology development and transfer.
- World renown research and development capability based within leading universities.

Building on this work is taking place to develop a campus linked to Cammell Laird that will enable the R&D and manufacturing strengths of public and private sector partners to combine and grow within a hub location. An initial practical area of collaboration is that of combining the increased demand for training in survival activity within the offshore sector with that of companies undertaking research and development in related areas such as prototype testing.

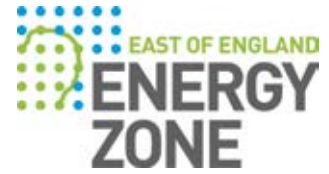
Existing Supply chain sectors

- Bearing manufacture
- Cable Installation and transportation
- Construction and civil engineers
- Cranes and heavy lifting equipment
- Deepwater intervention
- Diving services
- Electrical engineering
- Environmental monitoring
- Fabrication and welding
- Foundation grouting
- Heavy fabrication and engineering
- Marine Risk assessments
- Marine technical services
- Marine Vessel charters
- Offshore marine engineering
- Operational and maintenance in Offshore Wind
- Paints and coatings – corrosive resistant
- Precision engineering and gears
- Seabed mapping / coastal surveying
- Ship repair and ship conversion
- Steel suppliers
- Submarine cables
- Turbine servicing
- Weather sensing equipment

For more information or to request the full Liverpool City Region CORE prospectus please contact:

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 Email: Mark.Knowles@liverpoollep.org
 Web: www.liverpoollep.org

The Great Yarmouth and Lowestoft CORE



Great Yarmouth and Lowestoft are the primary focus of the East of England Energy Zone - one of the world's largest and most diverse clusters of energy businesses.

- Close to some of the world's largest wind farms
- 50 years' experience
- A large supply chain active in the offshore energy sector
- World class skills
- Ports active in the offshore wind sector
- Infrastructure
- Offshore Wind Ports
- Land and Buildings
- Government support
- Priority location
- Financial Incentives
- Political and Business Support
- Government support
- Priority location
- Financial Incentives
- Political and Business Support

An Ideal UK Location

Great Yarmouth and Lowestoft are the closest ports to over £50 billion of capital expenditure over the next 20 years and provide the ideal location for wind farm development and maintenance in the Southern North Sea.

World-leading energy companies have operated Southern North Sea gas operations from Great Yarmouth and Lowestoft for 50 years.

Market Opportunity

Huge all-energy market opportunity. The two towns are the closest ports to over £50 billion of capital expenditure over the next 20 years to be invested in:

- offshore wind
- oil and gas exploration and extraction
- nuclear new build and decommissioning
- gas storage
- and platform decommissioning all within a 70 km radius of Great Yarmouth and Lowestoft.

Fastest access to major new developments

The closest deep-water ports to the East Anglia Array, Galloper and Dudgeon wind farms.

- East Anglia Array - 7.2 GW, 1200 turbine development (only 14 km from the East Anglia coast)
- Galloper - 340 MW, 140 turbine development (27 km from the East Anglia Coast)
- Dudgeon - 400 MW, 78 turbine development (32 km from East Anglia Coast). Our ports also offer easy access to the Round 3 Hornsea and Dogger Bank developments.

Experience

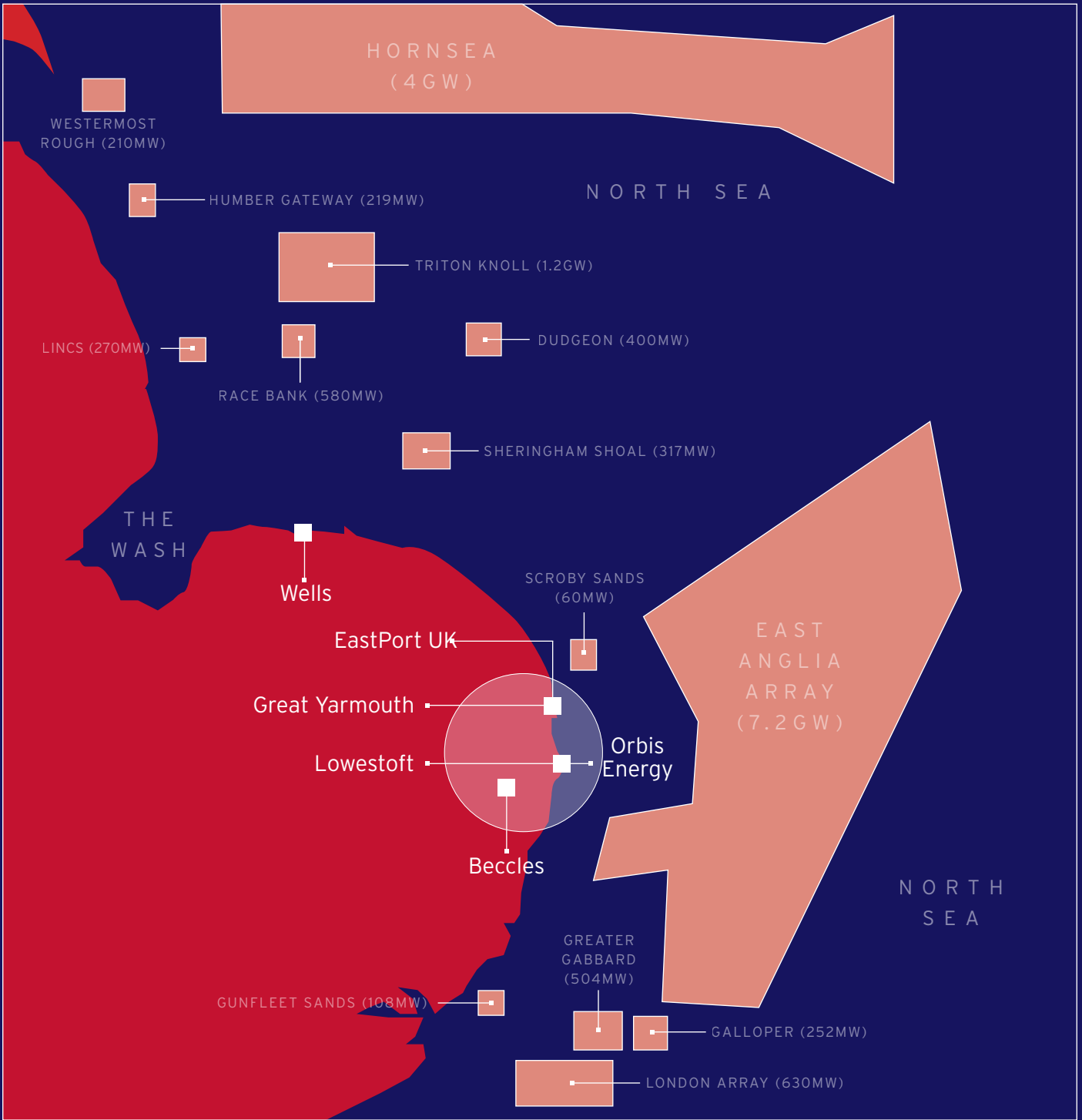
Great Yarmouth and Lowestoft, together with Wells on the North Norfolk Coast have been key to the successful development of a number of offshore wind farms.

- Great Yarmouth, Lowestoft and Wells have been central to the successful construction and delivery of Scroby Sands, Sheringham Shoal, Greater Gabbard and Lincs.
- Lowestoft is the operating base for SSE's Greater Gabbard O&M and is the chosen O&M base for Galloper
- Great Yarmouth is the operating base for E.ON Scroby Sands.
- Wells is the operating base for Scira Sheringham Shoal

Highly experienced supply chain

The East of England Energy Zone supports these developments with its strong maritime industry with vessels for construction, O&M and subsea survey.

Local companies have played a key role in the development of UK and other European offshore wind farms with many recognised as leaders in Europe's offshore wind industry. Companies operating from Great Yarmouth, Lowestoft and Wells support the entire spectrum of development, installation and O&M.



EastPort Great Yarmouth



Lowestoft Port

Offshore Wind Ports

England's leading offshore energy ports have 50 years experience of supporting the offshore energy industry. They are home to world-leading energy companies and operate as the main bases for gas operations in the Southern North Sea and as strategic centres for the rapidly increasing offshore wind sector.

Facilities include:

- Quays covering 7,900 metres
- Safe, sheltered berths
- Accommodation for vessels of:
 - Length up to 250 metres
 - Beam up to 75 metres
 - Draft up to 10.5 metres
- No locks, or overhead cables to restrict access
- 24 hours and 365 days working
- Easy access at all states of tide
- Significant development land available dockside
- Helicopter services 24/7

Great Yarmouth's deepwater outer harbour is designed to service the needs of a wide range of vessels including the latest generation of offshore wind installation vessels and was used as the installation base for Sheringham Shoal and Lincs.

The river harbour in Great Yarmouth offers support to the outer harbour with commercial quays on both sides of the River Yare. It is perfectly equipped to provide O&M support to the wind farms off the East of England Energy Zone coast; Scroby Sands is operated and maintained by E.ON from Great Yarmouth's river harbour.

Lowestoft's outer harbour is the UK's most easterly and the closest port to the East Anglia Array. Only 14km away, the East Anglia Array will be less than 20 minutes by catamaran and under one hour by coaster. The harbour was used for the development of Greater Gabbard and is SSE's permanent O&M base.

The Lowestoft inner harbour has a long history of supporting the offshore energy industry with many offshore energy and engineering companies already based nearby. With significant land available, the area is ideal for O&M activity.

Wells-next-the-Sea

The Port of Wells, on the North Norfolk coast is the closest port facility to a number of operational and approved offshore wind developments in the Southern North Sea and The Wash.

The Port of Wells is the O&M base for Sheringham Shoal, operated by Statkraft. The Port offers 165 metres of shore-accessed pontoon berths with fresh water, electricity and dedicated fuel barge for wind farm transfer vessels.

Land and Buildings

A wealth of well-located land and buildings near the ports of Great Yarmouth, Lowestoft and Wells make them prime locations for wind farm developers and the supply chain.

There is something to suit every need. Business Parks in Great Yarmouth, Lowestoft and Wells include:

South Denes, Great Yarmouth

- At the heart of the port area with a focus on offshore activities
- Easy access to both the outer harbour and river harbour 58.8 hectares with Enterprise Zone status

Beacon Park, Great Yarmouth

- High quality office and industrial area adjacent to the A12 dual carriageway connecting Great Yarmouth and Lowestoft with London
- 16.7 hectares of greenfield land with Enterprise Zone status

Power Park, Lowestoft

- Adjacent to Lowestoft's outer harbour
- Home of OrbisEnergy - one of the UK's leading centres for offshore energy innovation and supply chain development.
- 24.5 hectares

Egemere Business Zone, Wells

- Greenfield land with development opportunities for bespoke and speculative premises.
- Easy access to port.

High Quality Offices

Great Yarmouth, Lowestoft and Wells also offer a range of high quality office developments, including serviced accommodation, which are already home to leaders in the offshore energy sector.

OrbisEnergy, Lowestoft

A state-of-the-art innovation and incubation centre on the Power Park specialising in the offshore renewable sector.

Beacon Innovation Centre, Great Yarmouth

Offering easy-in, easy-out office space on the Beacon Business Park. Virtual offices are also available.



Great Yarmouth Port



Sheringham Shoal O&M - Wells Harbour



Transition pieces - Lowestoft Port



Lowestoft Outer Harbour



Lowestoft Power Park



Blades and Towers Great Yarmouth

World Class Skills

Great Yarmouth and Lowestoft have one of the best offshore marine and engineering skills bases in England.

The region boasts generations of accumulated expertise and there is a potential workforce of over 300,000 within 45 minutes of Great Yarmouth and Lowestoft.

A range of world-class education and training facilities are available nearby including the University of East Anglia, University Campus Suffolk, Lowestoft College and University Technical College.

“The East of England has one of the UK’s main concentrations of energy sector skills with more than 10,000 expert workers currently in the field developed over 50 years of working with North Sea gas and now rapidly adapting to meet the similar demands of offshore wind.”

Lord Browne President of the Royal Academy of Engineers (former Chief Executive BP)

Unrivalled skills

The Skills for Energy Partnership is an industry-led group behind a range of projects to provide entry into the energy sector and develop or enhance existing skills. Many major energy employers support the programme including Seajacks; East Anglia Offshore Wind; The Crown Estate; Shell; ODE; SSE; 3sun/Dawson; CLS Offshore, AKD Engineering and Sembmarine SLP Ltd.

Financial Incentives

Companies looking to operate from Great Yarmouth and Lowestoft can benefit from a number of financial incentives:

A total of 224 hectares of development land with simplified planning permission is available in Great Yarmouth and Lowestoft.

It includes 121 hectares on six sites within a designated Enterprise Zone created by the New Anglia Enterprise Partnership in Great Yarmouth and Lowestoft.

Principle features of the Enterprise Zone include:

- Up to £275,000 per business in rate relief
- Simplified planning
- Superfast broadband

Assisted Area Status

Great Yarmouth, Lowestoft and parts of Ipswich are included in the Government’s Assisted Area Status map recognising the potential for business growth in these areas.

Assisted Area Status enables the Local Enterprise Partnership to channel more financial resources into these areas. Great Yarmouth, Lowestoft and Ipswich are important industrial centers and increased funding will support growth in the energy sector.

Growing Business Fund

New Anglia Local Enterprise Partnership’s Growing Business Fund offers grants of between £5,000 and £500,000 to small and medium sized businesses across Norfolk and Suffolk to help them grow and create jobs

Political and Business Support

Business and political leaders in the region are taking an innovative approach to the development of the energy industry.

The Norfolk and Suffolk Energy Alliance (NSEA) is the first UK partnership of its kind where public sector works across local boundaries with the private sector. NSEA brings together a wealth of expertise from: Norfolk and Suffolk County Councils, Great Yarmouth Borough Council, Waveney and North Norfolk District Councils, the East of England Energy Group (EEEGR) and the Chambers of Commerce for Norfolk and Suffolk.

This dedicated partnership offers seamless support to investors.

UK Government Priority

The UK Government has recognised the potential and importance of the East of England Energy Zone to the UK’s offshore wind sector with Enterprise Zone Status for key sites in the area and the designation of Assisted Area Status.

“We could have set up our business anywhere in the world. However, we are expanding our operation and have moved to new premises in the Enterprise Zone.”

Blair Ainslie, CEO Seajacks, operator of self-propelled jack-up vessels.



Lowestoft College Training Tower



Seajacks installing Greater Gabbard



Technician Transfer Greater Gabbard Wind Farm



OrbisEnergy



Seajacks HQ Enterprise Zone Great Yarmouth



Egmere Business Zone - Wells

For more information or to request the full Great Yarmouth and Lowestoft CORE prospectus please contact:

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South East CORE

The South East CORE (SE CORE) incorporates Harwich International Port, Harwich Navyard, London Thamesport, Port of Sheerness, Port of Ramsgate and Brightlingsea. It is one of the most experienced wind farm construction, installation and operation bases in the UK playing a significant role in the development of five UK wind farms now operating off the Kent and Essex coasts. These total nearly 500 wind turbines generating 1709MW of renewable energy including London Array, the world's largest offshore wind farm.

The SE CORE is ideally positioned to offer port services, construction and assembly facilities, manufacturing plant and operations and maintenance bases for existing projects, extensions and Round 3 developments along the east and south coasts of England, as well as proposed developments off the north west coast of Europe. There is over 20GW of proposed offshore wind development within 200 nautical miles of the SE CORE.

The Commercial Opportunity

The SE CORE offers:

- 270 ha of available commercial land;
- Easy access to five of the nine zones allocated for development as part of Round 3: East Anglia Array (90 km from Harwich), Hornsea (193 km from Harwich ports), Dogger Bank (321 km from Harwich ports) Rampion (250 km from Kent ports), Navitus Bay (368 km from Kent ports) - (approximately £110 billion CAPEX / OPEX investment)
- Easy access to wind farm development sites off the coast of North France (Brittany, Normandy), Belgium and the Netherlands
- An ideal logistics base for Tier 1 manufacturers and suppliers that are seeking to provide product / services for Round 3 projects in the UK.
- An excellent location for businesses in the O&M field building on established, successful O&M centres
- Easy road, rail and air access to UK, European and Global markets.
- Experienced supply chain companies and an extensive network of business support organisations to foster further supply chain development.
- A deep talent pool of engineering, manufacturing and maritime skills and access to many higher education institutions.
- High level support from the business community and strong commitment from local government and the South East Local Enterprise Partnership (SE LEP), bringing a positive approach to planning development and business growth.
- Assisted Area Status and access to other forms of funding and business incentives.

Infrastructure

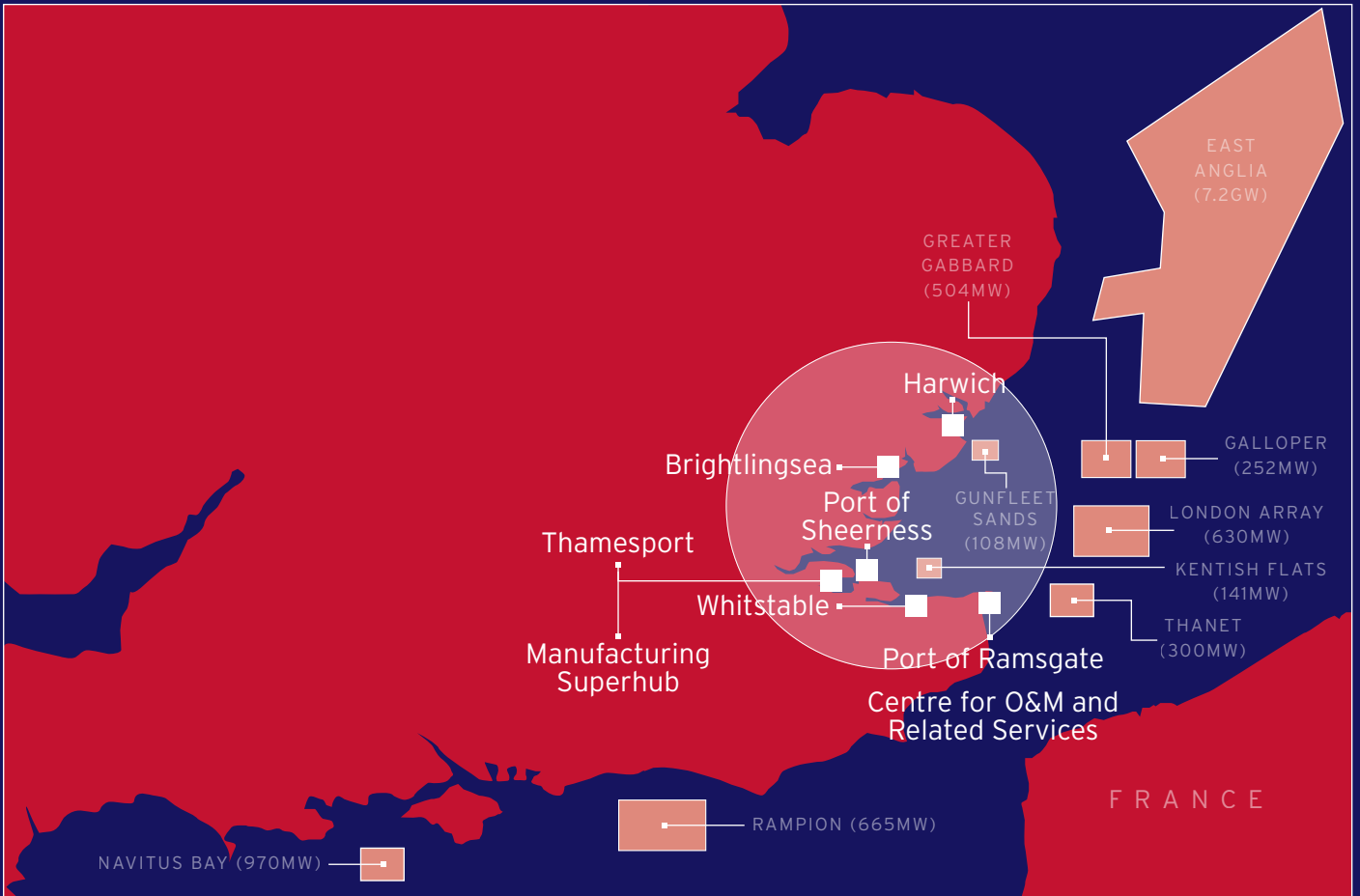
Located in the South East corner of the UK, close to London and mainland Europe, the SE CORE has an excellent multi-modal transport network for people and freight connections to UK, European and Global markets.

Rail: High speed rail links to London in as little as 17 minutes (from Ebbsfleet International) and to France, Belgium, Amsterdam in 1 - 4 hours.

Road: Good connectivity with the UK motorway network and international road connections from Kent via the Port of Dover and the Channel Tunnel at Folkestone and from Essex via Harwich International Port.

Air: All five of London's major airports - Heathrow, Gatwick, London City, Stansted and Luton - are within 1 - 2 hours' drive time.

Sea: Deep water ports with no lock restrictions allow easy access for shipping. All are international ports with short and deep sea services and efficient road and rail links. Direct ferry services to Europe operate from Harwich and Dover.



Port of Sheerness



London Thamesport



Kingsnorth Commercial Park



Queenborough and Rushenden

South East CORE at a glance

Index of Capability

	Sheerness	London Thamesport	Harwich International	Ramsgate	Harwich Navyard	Brightlingsea	Whitstable
Suitable location for manufacturing, assembly and distribution activities	✓	✓	✓				
Suitable as a load in and load out port for all pre-assembly and installation works	✓	✓	✓				
Suitable as a load in and load out port without pre-assembly	✓	✓	✓	✓			
Suitable as a construction base for project management, crew transfers and wind farm commissioning	✓	✓	✓	✓	✓		✓
Suitable as a base for operations and maintenance and related offshore services	✓	✓	✓	✓	✓	✓	✓
Suitable as an emergency port and shelter for marine equipment in adverse weather conditions	✓	✓	✓	✓	✓	✓	

South East ports at a glance

Index of Port Facilities

	Sheerness	London Thamesport	Harwich International	Ramsgate	Harwich Navyard	Brightlingsea	Whitstable
Quay length	1000m	655m	1800m + Ro-Ro	Ro-Ro	310m	100m	200m
Water depth	11m	15.5m	9.5m	7.5m	8.5	1-5m	3-4.9m
Available land	50ha	75ha	35ha	13.2ha	4.5ha	2ha	N/A
Water access	365 days	365 days	365 days	365 days	365 days	365 days	Tidal
Road access	A249	A228	A120	A299	A120	B1029	A299
Railhead	Yes	Yes	Yes	No	No	No	No

Ideal Sites For:

Manufacturing

The SE CORE has clusters of sites to the north and south of the Thames Estuary suitably sized and positioned to accommodate the integrated manufacture of blades, gearboxes, nacelles, towers and foundations for offshore wind turbines.

Construction / Installation

The SE CORE offers sites that are ideal for construction and installation allowing for: shipping in of components; laydown and assembly; shipping out and deployment of completed turbines; logistics and other supply chain operations; storage and distribution of parts; and warranty maintenance.

Operations and Maintenance

The SE CORE is already a leading centre of excellence for operations and maintenance with successful operations at Ramsgate, Harwich and Brightlingsea which serve as bases for O&M for the existing London Array, Thanet Offshore, Kentish Flats and Gunfleet Sands wind farms. These ports together with adjacent sites are well positioned to handle further O&M activity as the warranty periods on existing wind farms expire and for the expansion and development of projects off the south east and south coasts of England.



Harwich Navyard



Port of Ramsgate

The Site Offer:

The **Port of Sheerness** has a unique advantage as the 50ha of land that is available at the port has already been granted planning consent for the development of an integrated wind turbine manufacturing facility and outline consent for buildings with eaves height up to 50m. The port played a part in the construction of London Array providing storage and spooling facilities for major cable supply and installation companies such as Geosea and VSMC and handled vessels associated with this function. The port is eager to attract more offshore wind industry activity including large component manufacturing.

The Neats Court commercial development site at **Queenborough and Rushenden** complements the Port of Sheerness offer providing close and easy access to an **18ha** site that has outline planning consent and scope for supply chain, storage, distribution and R&D activities.

London Thamesport is situated on the River Medway directly opposite the Port of Sheerness. It has diversified away from its container business and is proactively targeting the offshore wind industry to set up facilities at the port. There is 75 ha of land available comprising a development site of 20 ha and 55 ha of operational land, and 4 operational bonded warehouses with internal gantry crane rails. The port is perfectly suited for large component manufacture, logistics and installation activities. It has a 655 m quay that can be further extended and offers the deepest water of all the SE CORE ports.

Kingsnorth Commercial Park located on the Hoo Peninsular with easy road and water access to London Thamesport offers a **46.5ha** site for blade and other component manufacturing, storage, distribution and supply chain activities. In addition, planning consent has been obtained to accommodate 190,451 sq m of employment floorspace (B1, B2 and B8 uses) with detailed consent for 102,000 sq m. in a single building (ideal for blade manufacture).

Harwich International Port is on the north Essex coast and has already played an important role in the construction and installation of three UK wind farms and handled a wide range of vessels in the process. The port has an operational area of 115 hectares including over 35 ha of land with direct access to 2km of deep water quays. There are opportunities available for further extensions to both the quayside and storage areas if required.

The **Harwich Navyard** has substantial experience in wind farm support, sub-contracting, cable laydown and vessel chartering. The port has five berths and provides bunkering, operation offices and crew change facilities. Navyard has a weekly Ro-Ro and general cargo service to Germany and the Baltic, operating its own vessels and road transport fleet with on-site warehousing and freight services. The port has the experience and capability to transport specialist cargoes and has handled numerous parts for wind turbines including blades.

Harwich also has over 45 hectares of well-located land and existing buildings outside the ports available for uses supporting the offshore renewables sector which include:

- **Harwich Valley**, a 6 hectare proposal with commercial space planned;
- **Stanton Europark**, a 3.3 hectare site suitable for a logistics or distribution centre, warehousing or industrial units;
- **Europa Way**, a 5 hectare Estate with distribution and general industrial use.

Brightlingsea is on the north side of the Thames Estuary with good access to wind farms in the Thames Estuary. It has served as an effective operations and maintenance base for Dong Energy's Gunfleet Sands project since 2009 and has a well-established local supply. The port is the manufacturing base for CTruk, designers and builders of composite wind support vessels which are operating on wind farms around the UK and Europe.

The **Port of Ramsgate** in east Kent comprises 13.2 hectares of land with a sheltered harbour that offers all weather accessibility. The port has significant installation experience providing facilities for project developers and Tier 1 contractors. The port is a growing operations and maintenance base for both Vattenfall and London Array who are both accommodated in new facilities at the port. There is potential and capacity both at the port for further allied industry services, R&D and supply chain activities and within a range of sites nearby, including the Discovery Park Enterprise Zone.



Brightlingsea Harbour



Harwich International Port

Supply Chain

Kent and Essex support some of the biggest concentrations of advanced manufacturing and engineering activity in southern England while the Thames and Medway estuaries both have a long history in maritime industries. The SE CORE therefore has a strong base of well established engineering and marine companies able to supply into the offshore renewables sector.

Many local companies have already contributed to the development, construction, installation and operation of wind farms in UK and European waters, and now form part of an established supply chain in the SE CORE area and further afield. Supply chain companies located in the SE CORE include:

Red7Marine: a leading provider of offshore subsea engineering and marine construction services;

HV Wooding: one of the UK's top manufacturers of precision engineered components and assemblies that supply components and busbars for power conversion systems, LV and MV converters, transformers and switchgear used in the manufacture of wind turbines;

H & Askham: a high voltage electrical installation company that provides jointing and termination services for both electrical and fibre optic applications for offshore wind farms and repair, maintenance and testing;

CWind: experienced in the provision of a variety of services including vessel charter, project solutions, turbine technicians and training having worked on 18 wind farms around the UK with over 200 technicians regularly offshore;

Colchester Communications: installers of fibre optics solutions in UK and European wind farms and suppliers of cable jointing and testing services;

MME Engineering: experienced in the design and manufacture of Sacrificial Anode Cathodic Protection systems to prevent water erosion of turbine and foundation component parts;

Prysmian PowerLink Services: a leading player in the manufacture of high technology cabling and the installation of sub-sea cables for the offshore renewables industry with 91 plants and 17 research and development centres globally;

Excel Marine: suppliers and operators of crew transfer vessels for both construction and operations and maintenance including dive support, fuel transfer, machinery transportation, survey and cable laying support;

Premaberg Manufacturing: designers and manufacturers of air intake and filtration products in offshore installations;

John D Hotchkiss: one of the largest privately owned mechanical service providers and engineering workshops in the South East with experience in the manufacture and refurbishment of cable equipment.

Skilled Workforce and Training Support

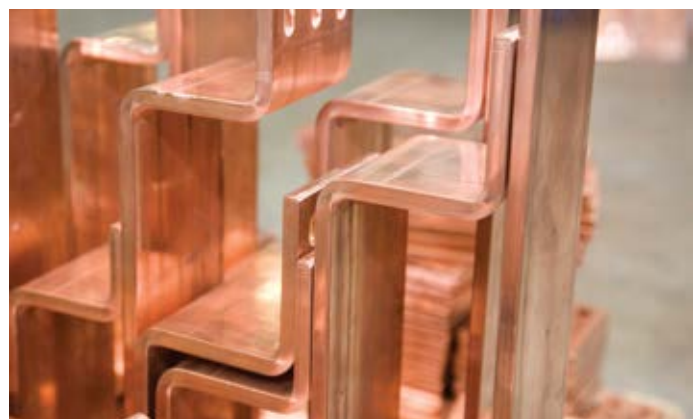
The SE CORE has strong and relevant technical skills to support the offshore renewables industry and there has been major new investment made in skills training to prepare students for careers in the sector.

- **Swale Skills Centre** in Sittingbourne has been developed as a centre for engineering and renewable technologies training and plays a key role in the training of apprentices for Dong Energy.
- The **Centre for Environmental Technologies** at East Kent College in Broadstairs offers training in skills needed to support low carbon and green technology businesses.
- The **National Maritime Training Centre** at North West Kent College provides flexible training opportunities across the maritime industry.
- Colchester Institute's **Harwich Energy Skills Centre** offers a range of further education and apprenticeship programs for jobs in engineering and the offshore energy sector.

Advanced level skills in engineering are offered at the **University of Greenwich** and at the **University of Essex** which specialises in autonomous robotics used in subsea environments. There are four higher education institutions in Colchester and Ipswich which serve Harwich and offer courses in electro technical engineering, industrial applications and ICT.



CTruck, South East CORE



HV Wooding, South East CORE

Business Support

Professional Support

Public sector partners are able to provide a range of professional services to support the development of the offshore wind sector in the SE CORE area. These include:

- The allocation of a dedicated officer(s) to provide support and advice for all **Environmental, Planning and Highways** enquiries.
- **Recruitment Support** to assist with Human Resource requirements.
- The provision of **Business Support Services** to assist with the resolution of any problems; to sign-post and broker introductions to the local engineering, maritime and energy supply chain and to facilitate a "soft landing"

The public sector partners will use their influence, contacts and network(s) to broker **high level introductions** to business representatives, the South East Local Enterprise Partnership (SE LEP) and to Government Ministers and their Officials, should this be required.

Investment Support

Locate in Kent and Invest in Essex offer comprehensive support to firms seeking sites and premises in Kent and Essex respectively (see www.locateinkent.com and www.investessex.co.uk).

Supply Chain Assistance

An online directory and network called Kent Wind Energy (www.kentwindenergy.co.uk) provides the means for manufacturers, developers and operators to link with local suppliers and contractors.

The East of England Energy Group (www.eeegr.com) provide supply chain and networking support across Essex for the renewable energy sector.

Funding Support

Regional Growth Funding (RGF) is available in the SE CORE area offering 0% loans to support business growth and development:

- **TIGER** (Thames Gateway Innovation, Growth and Enterprise) is a £20million scheme in North Kent and Thurrock.
- **Expansion East Kent** is a £35 million fund that businesses in Ashford, Canterbury, Dover, Shepway and Thanet can access.

Low carbon and green technology are priority business sectors for both schemes.

The SE CORE also benefits from European Union Assisted Area Status.

For more information or to request the full Kent CORE prospectus please contact:

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 Web: www.locateinkent.com/offshorewindenergy

Contact: Richard Bailey - Invest in Essex
 Tel: +44 (0)1245 438624
 Email: richard.bailey@essex.gov.uk
 Web: www.investessex.co.uk/offshore



H & Askham



London Array O&M base at Port of Ramsgate

Summary

Choosing England as a location provides your business with everything it needs to be globally successful. Benefit from the highly supportive business environment, favourable tax regime, world centres of excellence, skilled available workforce, strong economy and government which supports business investment.

England can be your hub to the world. Gain access to excellent logistics for road, rail, air and sea with easy access to the UK's offshore wind development zones and supply into the wider European supply chain.

England is open for business and looking for potential joint ventures, inward investment, partnering opportunities and developing new trade links with the world.

We have the ambition to remain the world leader in offshore wind. With the opportunity presented by the renewable energy sector, through providing support to existing businesses and assisting inward investment through the COREs, our aim is for England to remain at the forefront of the global low carbon energy revolution.

Within England there are 6 CORE areas which are deemed to have the ideal conditions for the offshore wind industry, and have been given the designation Centre for Offshore Renewable Engineering (CORE). CORE areas have the available land, deep water ports, existing supply chain and skills provision perfect to support growing companies looking to enter the market.



Photo: Copyright Jason Hawkes

UK is the biggest offshore wind market in the world on track to more than 10GW operating capacity by 2020

Businesses located within CORE areas are in the perfect location for achieving success in the global offshore wind market.

Should you wish to make an enquiry about accessing the UK offshore wind market, you will receive expert support to assist through the process. UKTI representatives in over 110 countries can provide you with all of the information you need and put you in touch directly with the team on the ground in each area.

Even if your project is very early stage, please get in touch and the large number of financial incentives, grants, and enterprise zones available in England may make a real difference to your business case.

Local representatives will help compile all of the support available for you, and can also arrange site visits and provide bespoke information relevant to your business. CORE representatives also work closely with the regional and national trade organisations who can make introductions to clients at 'Meet the Buyer' events across the UK, providing the platform to quickly integrate you into the national supply chain.

Thank you for taking the time to read our England CORE brochure. If your business operates in the offshore energy sector, or for any potential inward investment enquiry, please get in touch and find out how locating your business in England is the best investment you will ever make.

For more information please contact the UKTI Investment services team:

www.ukti.gov.uk/invest
enquiries@ukti-invest.com
Tel: +44 (0)20 7333 5442





UK Trade
& Investment

To benefit from the outstanding commercial opportunities in the UK, please contact the UKTI Investment Hub.
Telephone (outside UK): +44 (0) 20 7333 5442
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The Crown Estate is an independent commercial business created by Act of Parliament. Our role is to make sure that the land and property we invest in and manage are sustainably worked, developed and enjoyed to deliver the best value over the long term. Our business includes the whole of Regent Street, much of St James's, regional retail sites throughout the country, many thousands of hectares of rural land, forestry, parks and coastline, and the UK's seabed.



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