



# ENERGY FOR NEW ANGLIA

GREAT YARMOUTH AND LOWESTOFT



# SECTION 1

## THE CORE APPROACH



### Centres for Offshore Renewable Engineering - CORE

- Centres for Offshore Renewable Engineering are partnerships between Central and Local Government and Local Economic Partnerships that ensure businesses looking to invest in manufacturing for the renewables industry receive the most comprehensive support possible.
- We have initially concentrated on five locations which we know are the focus of the investment enquiries from renewable manufacturing businesses.
- These areas offer:
  - The right infrastructure for offshore wind manufacturing
  - Access to a skilled workforce
  - Experienced local supply chain
  - Committed local leadership.

- In addition, some of these areas contain Enterprise Zones, which may provide:
  - Enhanced Capital Allowances
  - Business rate tax relief for 5 years of up to £55,000 per annum
  - Simplified planning regimes, for example through Local Development Orders (LDOs). These are flexible planning tools that provide upfront permissions for particular types of development – providing certainty for developers and reducing waiting times and costs.
- More information on the national offer for investing in offshore renewables can be found in the CORE summary document, available from the BIS website ([www.bis.gov.uk](http://www.bis.gov.uk)). This provides further detail on market size, national schemes of support and the research and development landscape.
- You can download brochures for the five CORE areas on the BIS website ([www.bis.gov.uk](http://www.bis.gov.uk)).

**Section 2 – Why Great Yarmouth and Lowestoft**

**Section 3 – Port Development Sites**

**Section 4 – Other Development Sites**

**Section 5 – An ideal location for offshore energy**

**Section 6 – Skilled Workforce**

**Section 7 – Living Environment**

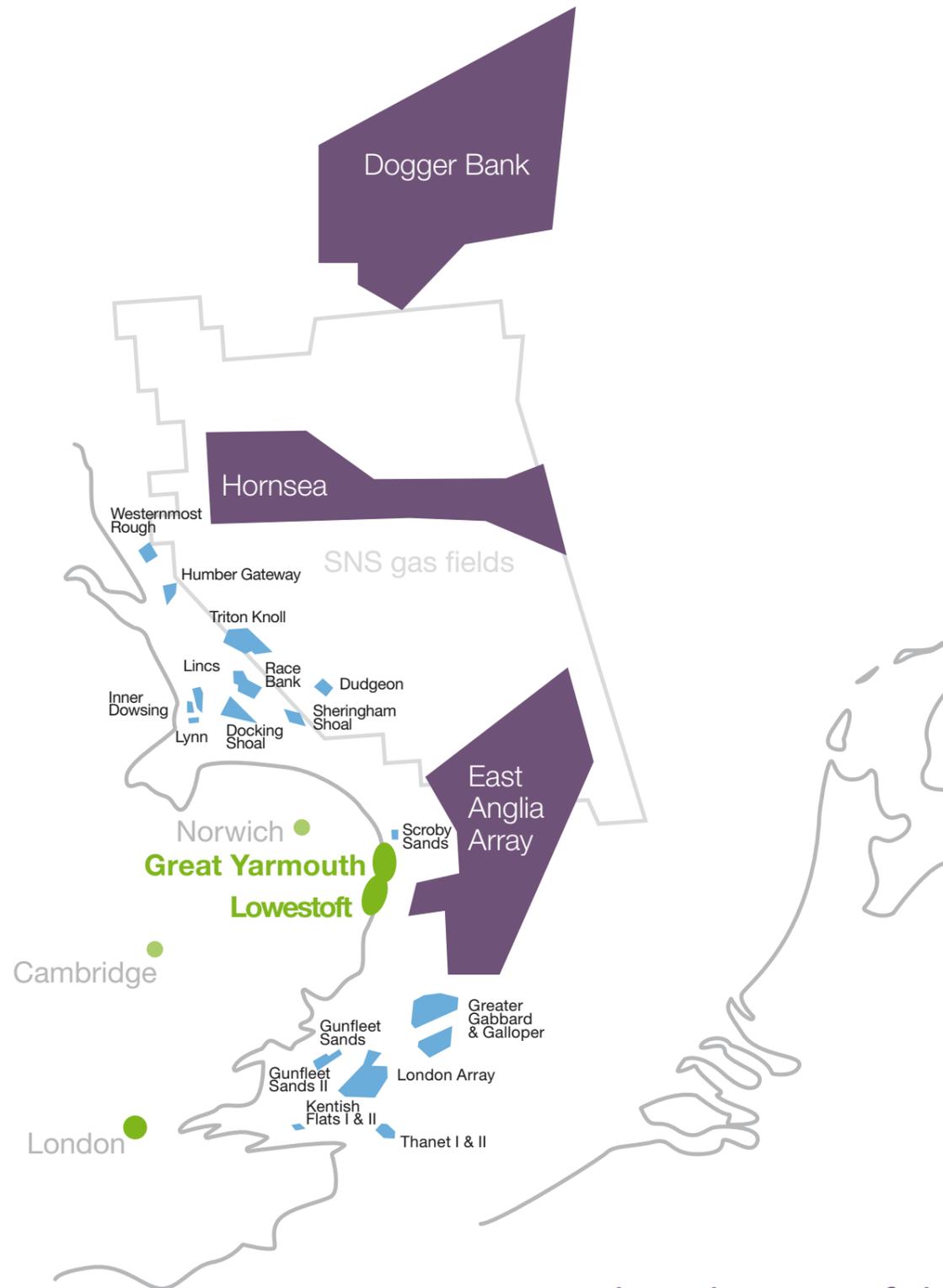
**Section 8 – Dedicated Support**

# SECTION 2

## WHY GREAT YARMOUTH AND LOWESTOFT?

Great Yarmouth and Lowestoft is a key location for the UK's energy sector, perfectly placed with many competitive advantages:

- The closest ports to over £50 billion of capital expenditure to be invested in offshore wind, nuclear (new build and decommissioning), gas storage and platform decommissioning over the next 20 years.
- Two ports (Great Yarmouth and Lowestoft) which have been the UK's leaders in supporting the offshore energy sector in the Southern North Sea for over 45 years.
- A unique and significant concentration of energy sector infrastructure, activity and planned investment within a 70 km radius of Great Yarmouth and Lowestoft.
- A supply chain and workforce with 45 years experience of Southern North Sea conditions. (See Sections 5 & 6)
- The closest deep-water ports to the East Anglia Array wind farm, a 7200 MW, 1200 turbine development 25 km off the East Anglia coast.
- Access to the Hornsea and Dogger Bank developments and many Round 2 developments.
- Commercial premises and port related land with quayside infrastructure. (See Sections 3 & 4)
- Enterprise Zone status providing up to £275,000 per business in rate relief, plus other advantages.
- Political and business community commitment. (See Sections 1 & 2)
- A dedicated energy sector support programme. (See Section 8)



**OrbisEnergy**  
The regional centre of excellence for offshore renewables, Lowestoft

**"Great Yarmouth and Lowestoft have a long and proud track record of working with the world's biggest energy companies. As energy production moves into a new and exciting phase, we are determined to provide every possible assistance to companies looking to invest in the offshore renewables sector."**

Andy Wood, chairman of the New Anglia Local Enterprise Partnership

# THE GREAT YARMOUTH AND LOWESTOFT ENTERPRISE ZONE

The Government has awarded Enterprise Zone status to significant areas of land in Great Yarmouth and Lowestoft. In awarding this status the Government recognises the unique advantages which Great Yarmouth and Lowestoft and the wider area can offer the Energy Sector.

**"The Great Yarmouth and Lowestoft Enterprise Zone will capitalise on the region's strengths in the energy sector, strong supply chains and port access."**

George Osborne, Chancellor of the Exchequer



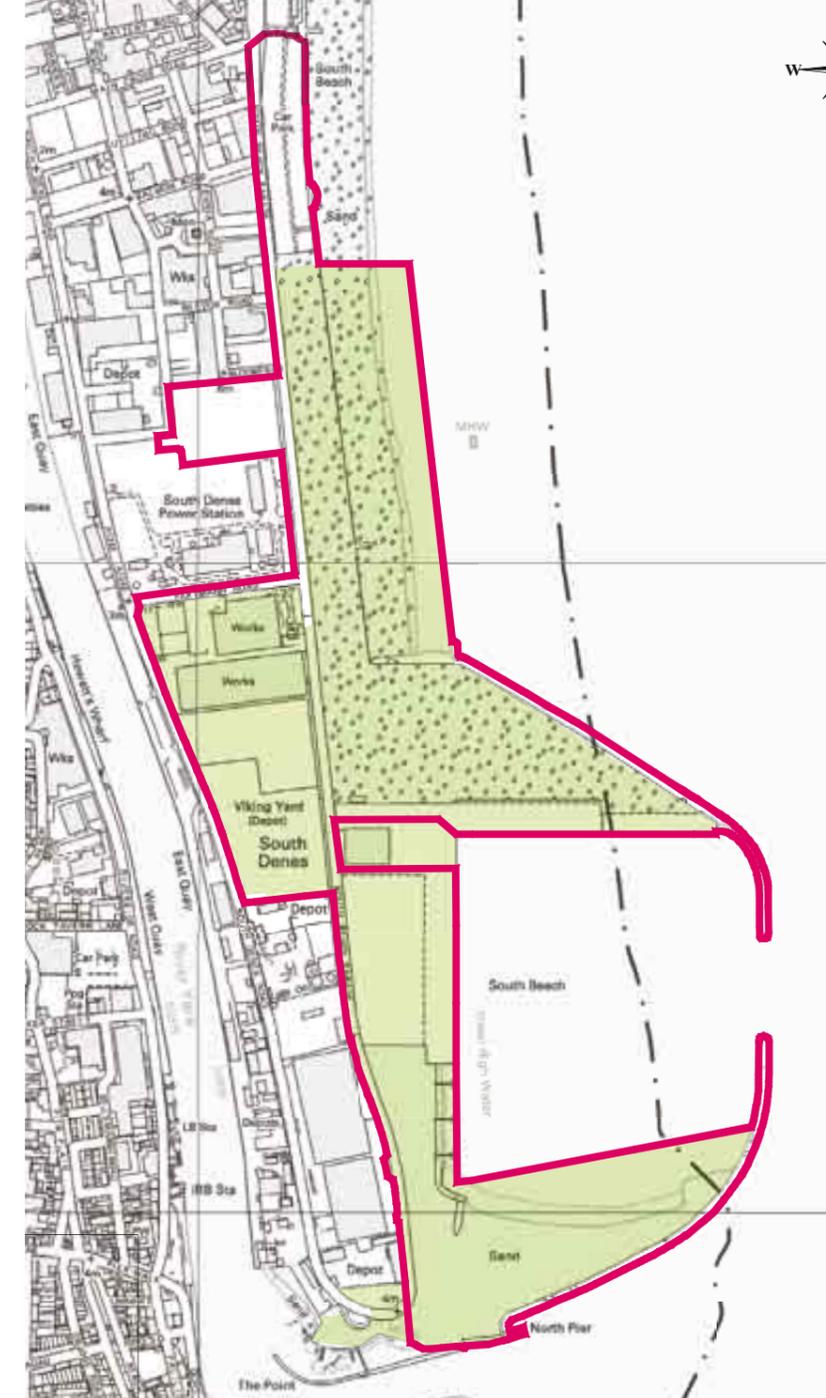
Businesses locating to any of the development sites in the Enterprise Zone will benefit from:

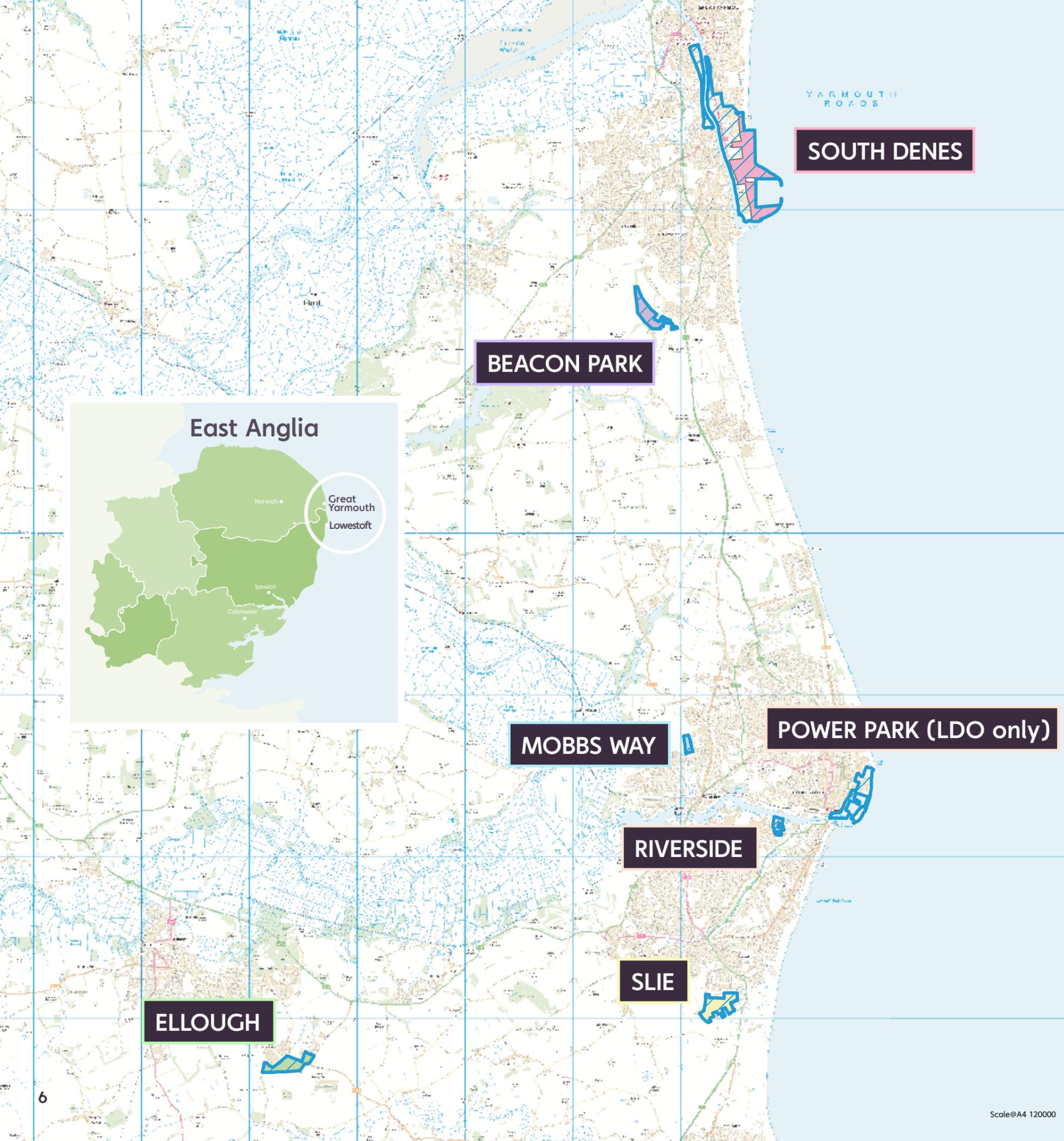
- A business rate discount worth up to £275,000 per business over a five year period.
- Government help to develop radically simplified planning approaches for the Zone, for example, use of Local Development Orders.
- Government support to ensure that superfast broadband (min 30 MB/sec) is available throughout the Zone, achieved through guaranteeing the most supportive regulatory environment and, if necessary, public funding.

All business rate growth within the Enterprise Zone for a period of at least 25 years will be retained by the local area, to support the Partnership's economic priorities and ensure that Enterprise Zone growth is reinvested locally.

Full details of the Great Yarmouth and Lowestoft Enterprise Zone can be found at:

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





**SOUTH DENES**

**BEACON PARK**

**MOBBS WAY**

**POWER PARK (LDO only)**

**RIVERSIDE**

**SLIE**

**ELLOUGH**

## THE ENTERPRISE ZONE

In addition to the Enterprise Zone sites, a number of additional development sites in Great Yarmouth and Lowestoft will have Local Development Order status only.

The PowerPark is situated within Lowestoft's outer harbour area and will be an LDO area only.

The LDO at South Denes in Great Yarmouth will be extended beyond the defined EZ area.

Each LDO area will have its own LDO and will benefit from simplified planning procedures.

No planning application or fees will be required for works complying with the LDOs.

### LEGEND

	Simplified Planning Zone 223.7ha
	South Denes 58.8ha
	Beacon Park 16.7ha
	Mobbs Way 4.7ha
	Power Park 24.5ha
	Riverside 4.5ha
	South Lowestoft Industrial Estate (SLIE) 20ha
	ElloUGH Business Park 17ha

# SECTION 3

## THE PORTS OF GREAT YARMOUTH AND LOWESTOFT

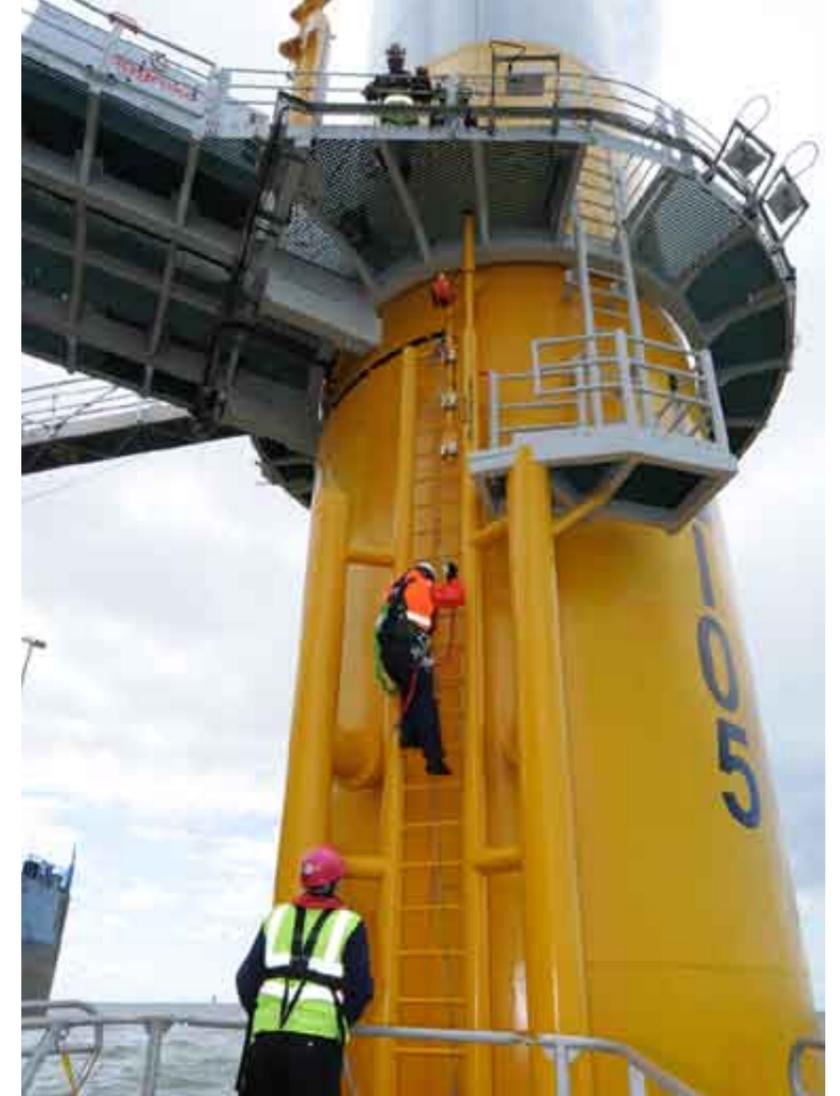
### An extensive infrastructure including deep-water ports, development land and transport links

The two port areas of Great Yarmouth and Lowestoft together offer extensive port and logistics infrastructure. Both ports operate a 24 hour culture and have been the UK's leaders in supporting the offshore energy sector in the Southern North Sea for over 45 years. The ports place the needs of the energy sector first and are already home to major developers and operators in offshore wind including East Anglia Offshore Wind (Scottish Power Renewables & Vattenfall) and SSE.

#### The ports have been key to the development of Round 1 and 2 wind farms:

- Great Yarmouth and Lowestoft were the key ports supporting the development of England's first offshore wind farm at Scroby Sands.
- Great Yarmouth is presently supporting construction at Sheringham Shoal and Lincs.
- Great Yarmouth and Lowestoft supported the development of the Greater Gabbard and Gunfleet Sands wind farms.
- SSE's control centre for the Greater Gabbard is in Lowestoft.

- The ports offer extensive capabilities including:
  - Deep water up to 10 metres draft
  - Over 7500 metres of quays
  - Capacity for vessel lengths up to 250 metres. (LOA)
  - Access at all states of tide.
- Businesses in Great Yarmouth and Lowestoft are well connected to key energy centres through the rail, road and air transport infrastructure:
  - Norwich International Airport offers UK and international air connections including to Aberdeen and Amsterdam.
  - Heliport at North Denes Great Yarmouth, helicopter facilities in Lowestoft and air strip at Ellough.
  - The A47/A11 and A12 trunk roads connect Great Yarmouth and Lowestoft respectively with the UK motorway system.
  - There are half-hourly direct trains between London and Norwich each weekday.



# SECTION 3

## GREAT YARMOUTH

### Land owned by Eastport UK

44.7ha available plus a further 8.25ha potential extra reclamation.

Existing tenants: Gleadell, Stema.

### Infrastructure

Length of quay River: 3,000m.

Outer Harbour: Up to 1000m developed.

Draught River: 5.7m.

Outer Harbour: 10m.

24/7 access, no height restrictions, locks or bridges.

Superfast broadband is scheduled to be available by December 2012.

### Background

100m deep-water Outer Harbour opened early 2010.

Grain terminal opened October 2010.

Ongoing infrastructure works.

### Ability to Scale Up

Undeveloped quay area circa 400m.

Future reclaim area 8.25ha.

### Planning Status

Permitted Development Rights.

Local Development Order being developed as part of the Great Yarmouth and Lowestoft Enterprise Zone.

### Enterprise Zones

The port land owned by ABP is not included within the Great Yarmouth and Lowestoft Enterprise Zone.

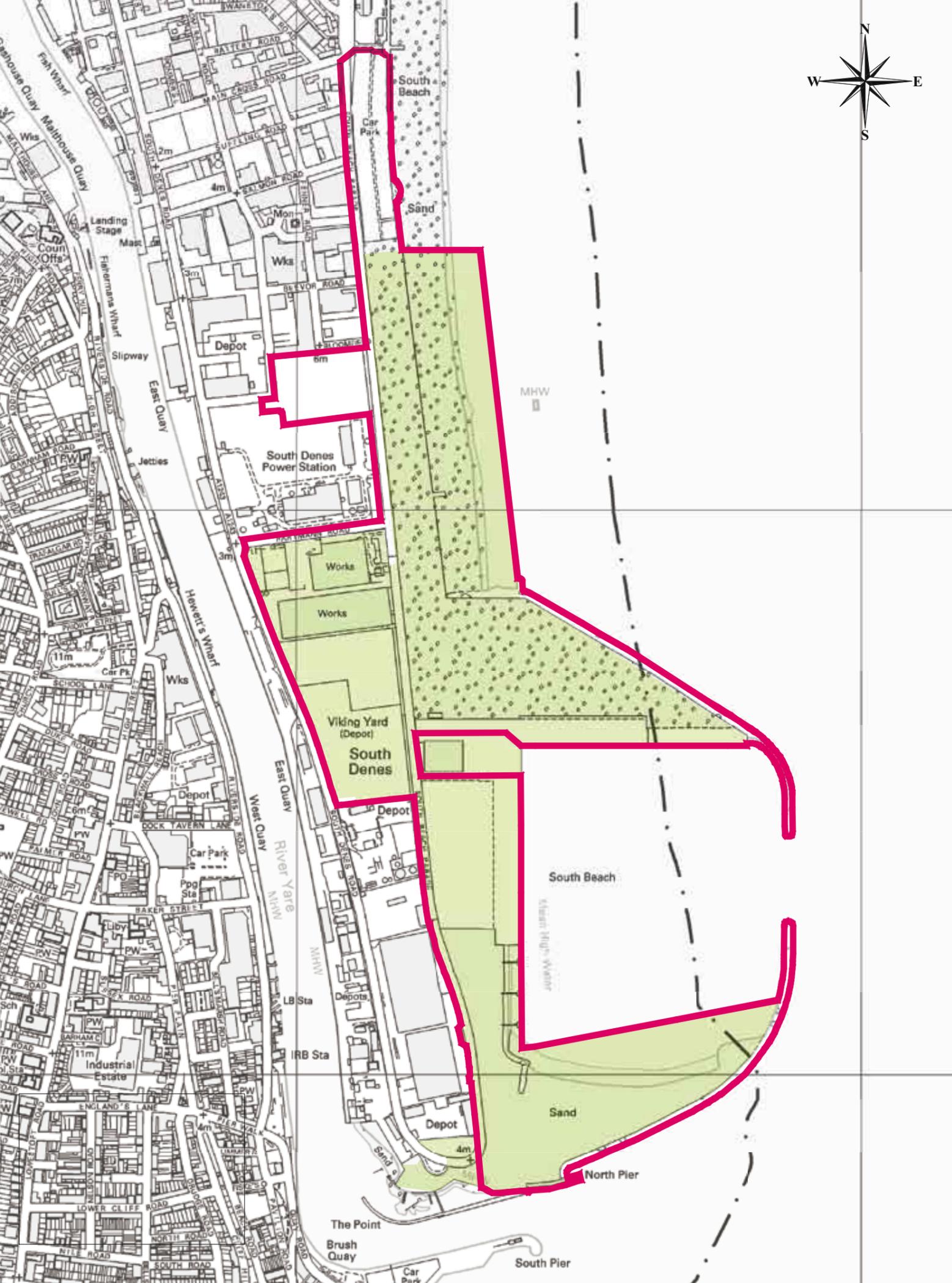
### Key Contact

**Eddie Freeman**

Chief Executive Officer

**Tel:** +44 (0)1493 335500





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**LEGEND**

- Enterprise Zone - 58.8ha
- Eastport Land - 4ha

# SECTION 3

## LOWESTOFT

### Land owned by Associated British Ports (ABP)

In total ABP owns 38.84ha of which 16.18ha is water and 22.66ha is land. Approximately 10ha of land could be made available for suitable opportunities and the remaining area is presently the subject of lease agreements. Current tenants include: Greater Gabbard Offshore Winds Ltd 0.64ha, National Oilwell Varco Uk Ltd 0.5ha, OGN Property Ltd 5.26ha, SLP Engineering Ltd 3.56ha, Small & Co Engineering Ltd - Dry Dock, Ship Repair and Fabrication.

### Infrastructure

Total quay length: Outer Harbour 1,400m.  
Entrance Channel and Inner Harbour 2,100m.

Operating Hours: 24/7.

Max Beam: Outer Harbour 35m, Inner Harbour 22m.

Draft: Max 6m.

Quay loading: Max 12t sqm.

Access: Road transport entrance has direct access off the A12.

Superfast broadband is scheduled to be available by December 2012.

### Background

The Port of Lowestoft is owned by Associated British Ports, the UK's largest ports business, owning 21 ports and handling around 1/4 of the UK's sea-borne trade. ABP also owns subsidiaries that specialise in dredging and marine environmental research. This national resource enhances and supports the expertise and knowledge of the local management team and ensures that funding for appropriate development is available.

The Port of Lowestoft has a long history of supporting offshore industries with many associated companies having bases and/or operating out of the port. These include SLP Engineering Ltd (Owned by the Smulders Group), Greater Gabbard Offshore Winds Ltd, OGN Property Ltd, National Oilwell Varco UK Ltd, Seacore Marine (International) Ltd, Small & Co Engineering, Windcat Workboats Ltd, Siemens and Gardline Group.

Greater Gabbard Offshore Winds Ltd have established the O&M facility for the Greater Gabbard Wind Farm in the Outer Harbour at Lowestoft. This includes mooring and loading facilities for support vessels, warehousing, changing rooms, offices and control room. These occupy and utilise part of the previous fish market and merchants' area with the construction and funding being provided by ABP. The facility was handed over during summer 2009. ABP also has a Memorandum of Understanding with East Anglia Offshore Wind in relation to the proposed Round 3 Development off the Suffolk and Norfolk coast, with the close location making Lowestoft the ideal port for this development.

ABP Lowestoft prides itself on its ability to work with businesses to identify lasting solutions and maintain relationships with both existing and potential customers.

### Ability to Scale Up

The ability to scale up is limited to development of port land not in the ownership of ABP as covered under Section 4 of this report. (Other Development Sites, Lowestoft and Other Port Land).

### Planning Status

In addition to the Port Authorities Permitted Development Rights, Waveney District Council's Local Development Framework and associated Lowestoft Outer Harbour and Lake Lothing Area Action Plan apply to all the port land in ownership of ABP. Both of the Council's documents have been adopted. As part of the Great Yarmouth and Lowestoft Enterprise Zone it is intended that, subject to consultation, a Local Development Order (LDO) will be applied to all ABP land in the Outer Harbour and along the North Quay served by Commercial Road as indicated on the associated plan.

### Enterprise Zones

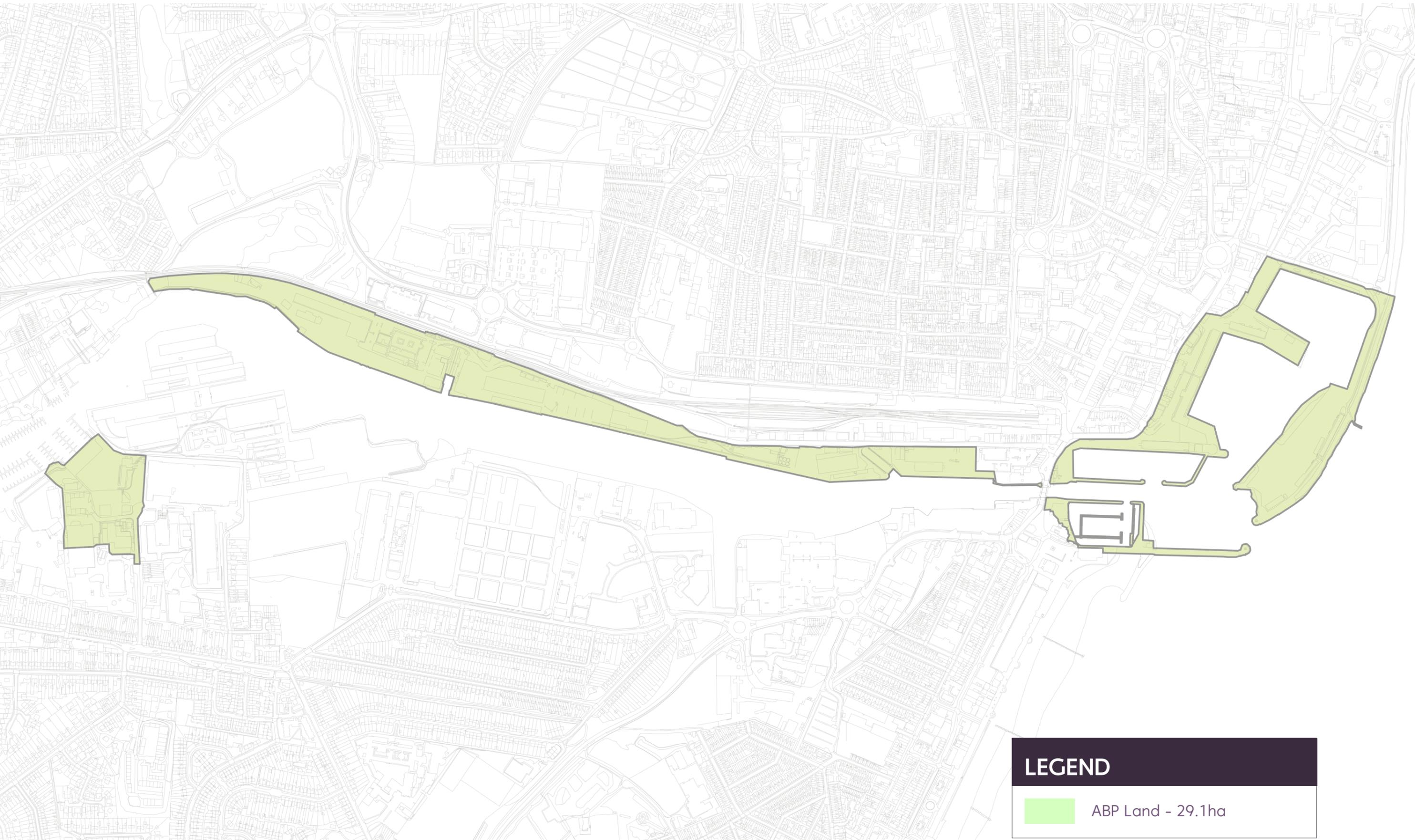
The port land owned by ABP is not included within the Great Yarmouth and Lowestoft Enterprise Zone.

### Key Contact

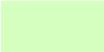
**Roger Arundale**  
Deputy Port Manager

**Tel:** +44 (0)1473 231010

**Email:** rarundale@abports.co.uk



**LEGEND**

 ABP Land - 29.1ha

# SECTION 4

Other development sites including land at the port, key sites supporting activity at both ports and a summary of industrial land supporting local supply chains.

## GREAT YARMOUTH OTHER PORT LAND – SOUTH DENES

### Land Availability

Total area approximate 83ha including 4ha of available industrial land.

River port currently serving offshore oil, gas and renewable energy sectors, bulk and project cargoes.

### Infrastructure

River port: 3000m length of quays with a maximum depth of 5.7m.

24/7 accessibility: no bridges or locks.

Superfast broadband is scheduled to be available by December 2012.

### Background

Historic fishing/ trading port. Offshore energy support for over 45 years. No planned investments apart from third river crossing.

### Ability to Scale Up

Under-used land in South Denes industrial area to be assembled for energy use.

### Planning Status

Permitted Development Rights. Local Development Order being developed as part of the Great Yarmouth and Lowestoft Enterprise Zone.

### Enterprise Zones

None.

### Key Contact

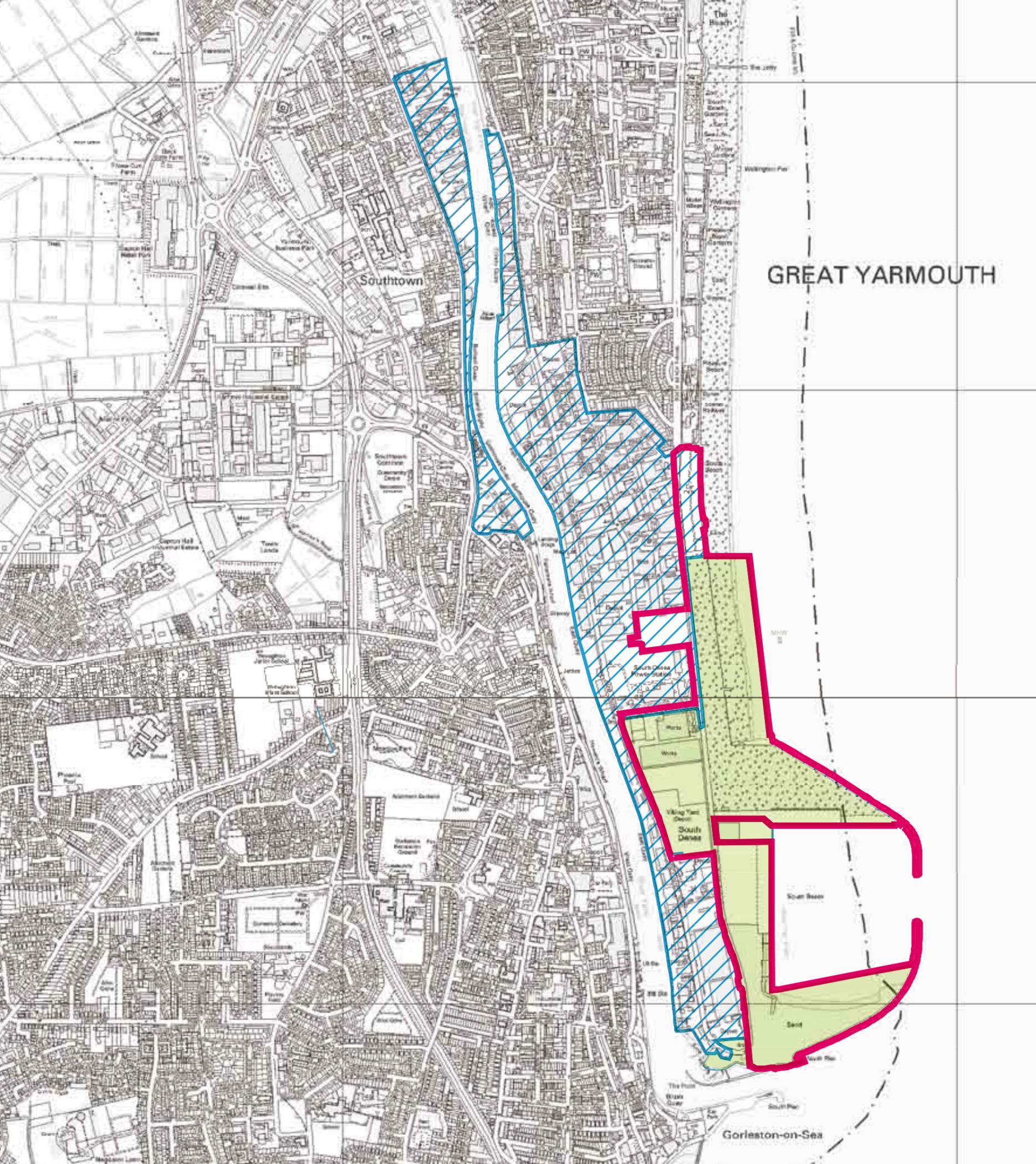
**Peter Wright, Economic Development**  
Officer at Great Yarmouth Borough Council

**Tel:** +44 (0)1493 335642

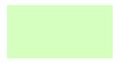
**Mob:** 07917 896858

**Email:** [pgw@great-yarmouth.gov.uk](mailto:pgw@great-yarmouth.gov.uk)





**LEGEND**

-  Enterprise Zone
-  Other Port Land and Local Development Order
-  Eastport Land

# SECTION 4

## GREAT YARMOUTH BEACON PARK



### Land Availability

7.7ha Phase 1

6.8ha Phase 2

### Infrastructure

Serviced business park with direct access to A12 trunk road from estate roundabout. Superfast broadband is scheduled to be available by December 2012.

### Background

Strategic site for clean modern industry in business parkland environment, part of an integrated development with housing, shops and leisure.

### Investments to date:

Beacon Innovation Centre: 1,849 sqm at c. £2.5m cost

Minerva House: 1,367 sqm at c £2m cost

PKF: 725 sqm at c £1.1m cost

Travelodge & Toby Carvery, Ambulance Station:  
1,664 sqm at c £2m cost

### Future investment:

NCL: 2,805 sqm

Blackfriars Court (Industrial Campus): 5,533 sqm

Wellington Park (office campus): 4,006 sqm

Bespoke proposals

### Ability to Scale Up

Further industrial allocations possible in conjunction with new link road.

### Planning Status

Phase 2 approved, Local Development Order being developed as part of the Great Yarmouth and Lowestoft Enterprise Zone.

### Enterprise Zones

14.5ha of land is included within the Great Yarmouth and Lowestoft Enterprise Zone.

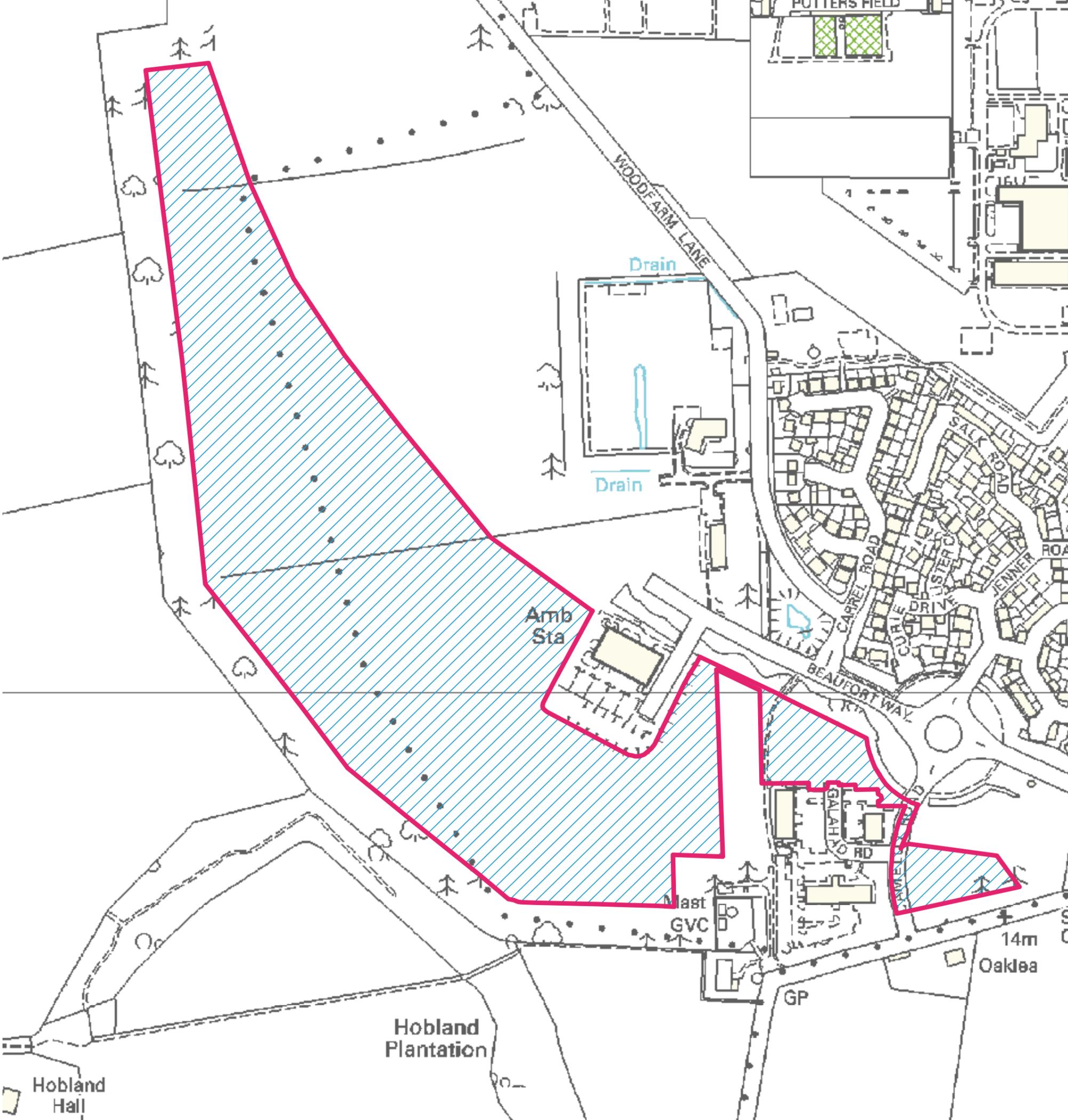
### Key Contact

**Peter Wright, Economic Development**  
Officer at Great Yarmouth Borough Council

**Tel:** +44 (0)1493 335642

**Mob:** 07917 896858

**Email:** [pgw@great-yarmouth.gov.uk](mailto:pgw@great-yarmouth.gov.uk)



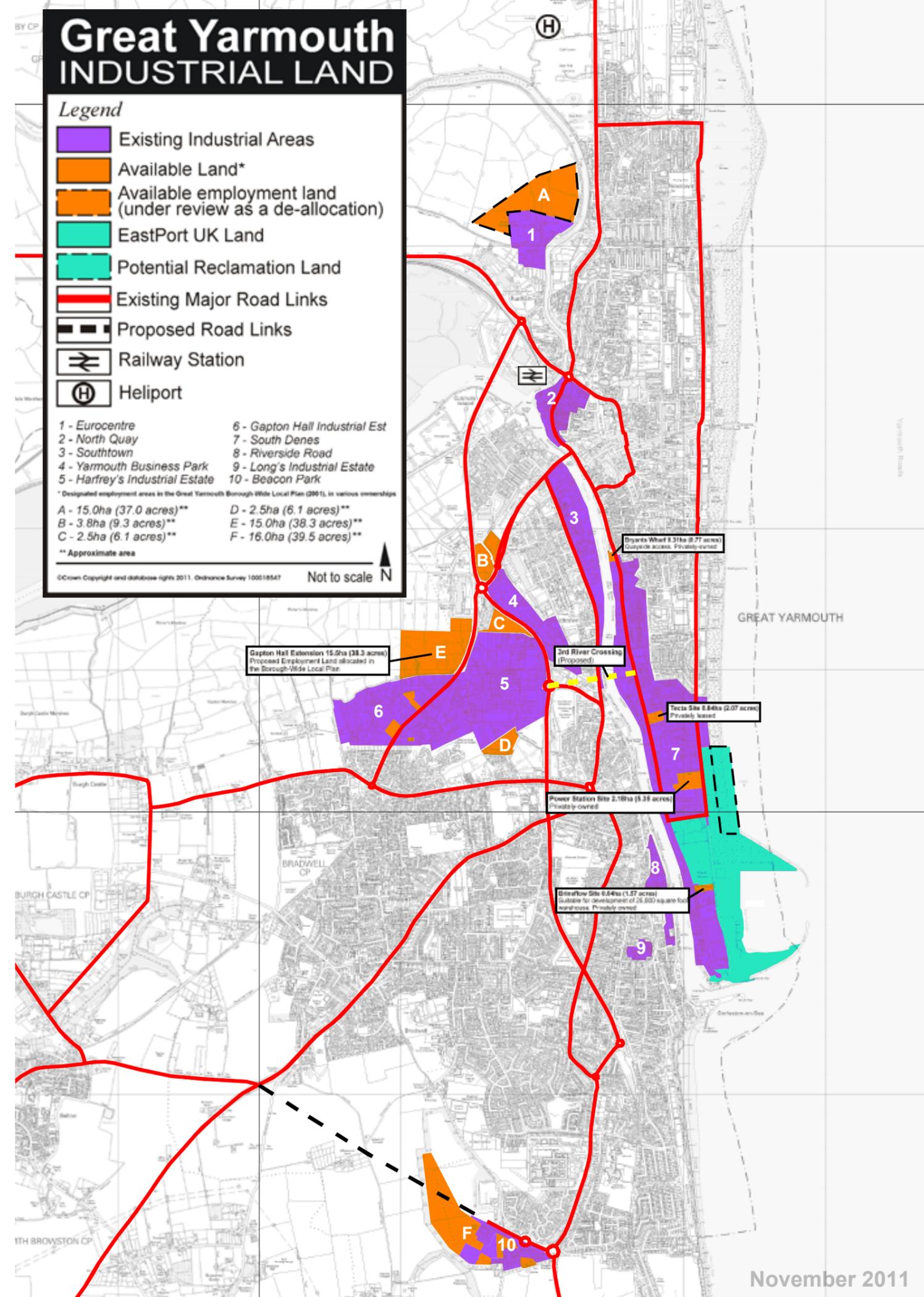
**LEGEND**

- Enterprise Zone - 16.7ha
- Indicative Local Development Order - 16.7ha

# SECTION 4

## SUMMARY OF FURTHER LAND AVAILABILITY

The map shows the extent of existing employment areas where pockets of land as well as premises that will be available for new activity. The map also shows further land allocated for employment use in Great Yarmouth including Beacon Park, which has already been referred to.



# SECTION 4

## LOWESTOFT OTHER PORT LAND



### Land Availability

#### PowerPark

This area consists of 24ha of land located directly to the north of the outer harbour. The vast majority of the site is occupied, however 0.6ha of land and or premises is vacant. The complete site is the subject of a number of studies, including a relocations strategy, commissioned by Waveney District Council in conjunction with 1st East URC. The site is fully serviced with easy access to the main A12 East of Lowestoft. Future development of the site is being facilitated by the District Authority led PowerPark Development Group.

#### South Quay

This area consists of 2.8ha of land located to the west of the bascule bridge, adjacent to the south quay in Lake Lothing on one side and Belvedere Road, which forms part of the A12, on the other. The vast majority of the site is covered by four ownerships and is all either unoccupied or generally underutilised. In total 445m of quay heading serves the site and part of the site, owned by SLP Engineering, is the port's heavy lifting quay. Future development of the site is being facilitated by the District Authority led Peto Square and South Quay Development Group.

#### Riverside Road

This area consists of 4.5ha of land located adjacent the south quay in Lake Lothing, accessed directly off Riverside Road from the A12 southern relief road. The vast majority of the site is vacant land forming part of the Great Yarmouth and Lowestoft Enterprise Zone and is owned by the District Authority. The site is covered by a cumulative flood risk assessment approved by the EA and although the 170m long quay heading is in poor condition funding exists for its repair. Further options for an enhanced repair of the heading can be negotiated with the District Authority. Future development of the site is being facilitated by the District Authorities Economic Regeneration Team.

#### Jeldwen Site, off Waveney Drive

This area consists of 14.1ha of land located adjacent to the south quay in Lake Lothing, with existing access off Waveney Drive towards its western end and potential access off Riverside Road from the A12 southern relief road at its eastern end. The site is vacant brownfield land with 282m of quay heading and includes several large open storage sheds and two main factory units. Future development of the site is being facilitated by the District Authorities Economic Regeneration Team.



# SECTION 4

## LOWESTOFT OTHER PORT LAND



### Infrastructure

Quay length: PowerPark – 2131m, South Quay – 445m, Riverside Road – 170m and Jeld-Wen – 282m.

Operating hours: 24/7

Draft: Max 6m

Quay loading: Max 12t sqm

Vehicular access: Direct off the A12

### Background

All four sites have planning allocations appropriate for uses associated with the offshore renewable energy sector and as the sites fall within the AAP area a wealth of background information is known about them and is publicly available on the District Authority's website. The sites in their entirety are owned by a limited number of parties, one of which is the District Authority and introductions for all sites can be facilitated through the contact provided below.

### Ability to Scale Up

The availability of land within this section provides the only opportunity to scale up development within the immediate port area.

### Planning Status

The Waveney District Council's Local Development Framework and associated Lowestoft Outer Harbour and Lake Lothing Area Action Plan apply to all the port land included in this section. Both documents have been adopted. As part of the Great Yarmouth and Lowestoft Enterprise Zone a Local Development Order (LDO) will be applied to the site at Riverside Road and part of the Jeld-Wen site as indicated on the associated plan.

### Enterprise Zones

The site at Riverside Road is included within the Great Yarmouth and Lowestoft Enterprise Zone.

### Key Contact

**Paul Moss**

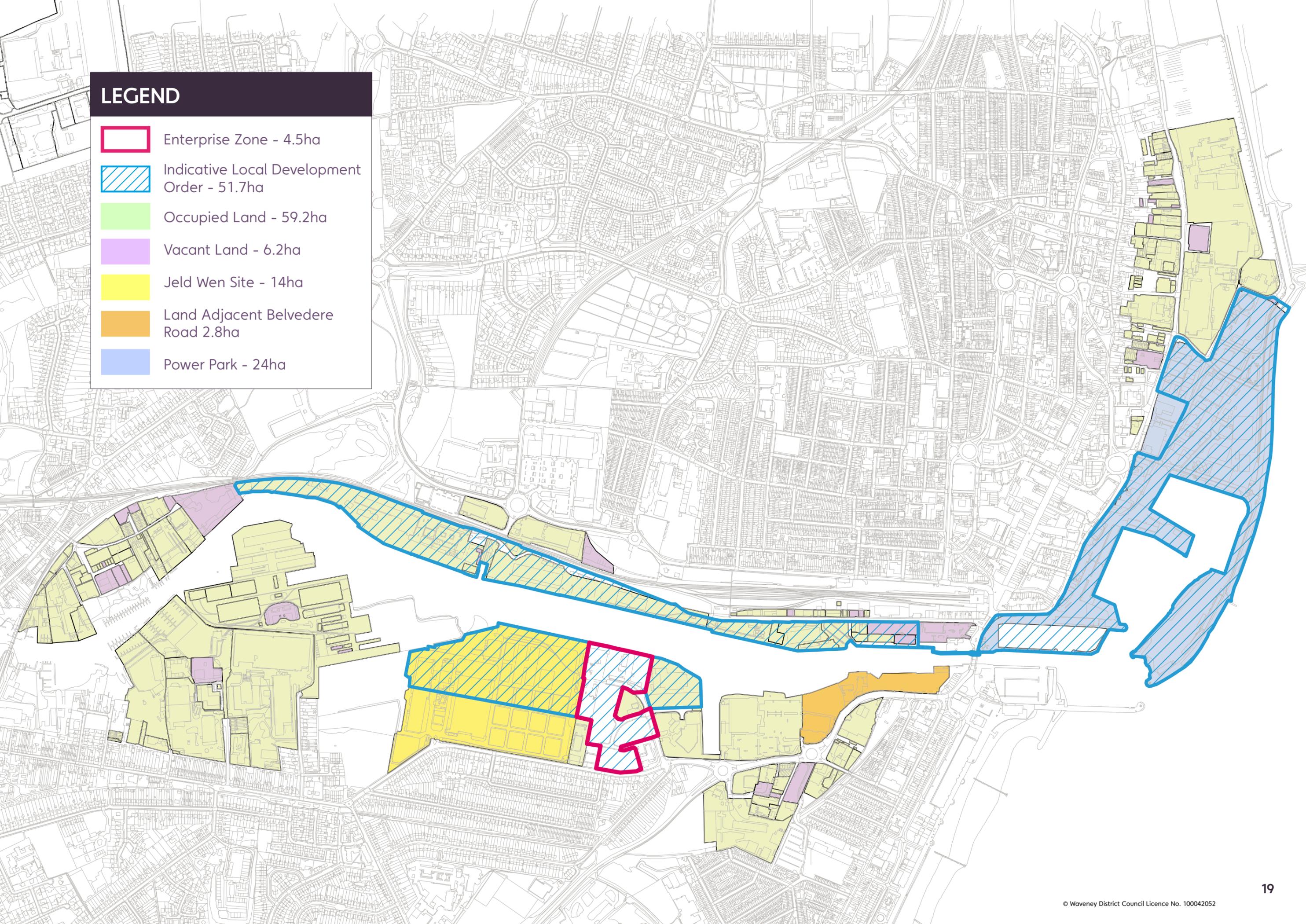
Principal Service Manager Economic Regeneration,  
Waveney District Council

**Tel:** +44 (0) 1502 523392

**Email:** paul.moss@waveney.gov.uk

# LEGEND

- Enterprise Zone - 4.5ha
- Indicative Local Development Order - 51.7ha
- Occupied Land - 59.2ha
- Vacant Land - 6.2ha
- Jeld Wen Site - 14ha
- Land Adjacent Belvedere Road 2.8ha
- Power Park - 24ha



# SECTION 4

## LOWESTOFT SOUTH LOWESTOFT INDUSTRIAL ESTATE (SLIE)



### Land Availability

This area consists of 57.8ha of land located in the south of Lowestoft having direct access to the A12. Availability of land and premises within the site falls into two categories, the existing industrial estate of 37.8ha of which 3.3ha is vacant and the newly allocated extension of 20ha which is all clear vacant land.

### Infrastructure

The existing site is fully serviced and service connections are provided for the extension site. Ipswich lies 42 miles to the south along the A12 and the port is only 2.6 miles to the north, also along the A12. Superfast broadband is scheduled to be available by December 2012.

### Background

The existing estate is well established and occupied by over 147 companies. Although some land on the estate is vacant, in recent months several new buildings have been erected. Norfolk and Waveney Enterprise Services (NWES) provides serviced accommodation on part of the site and can provide a number of business support services for new and existing businesses on the estate.

17.6ha of the 20ha extension site is in one single ownership. The owner and his agents are working with the District Authorities Economic Regeneration Team to bring forward development on the site. The remainder of the site is also in single ownership.

### Ability to Scale Up

Due to the potential scale of development land requirements to serve renewable energy developments in the Southern North Sea, additional land to the west and south of the site are being assessed for suitability to further extend the site should there be the demand.

### Planning Status

The existing site and extension to the site are covered by the Waveney District Council's Local Development Framework, which has been adopted. As part of the Great Yarmouth and Lowestoft Enterprise Zone a Local Development Order (LDO) will be applied to the extension site.

### Enterprise Zones

The full extent of the extension site forms part of the Great Yarmouth and Lowestoft Enterprise Zone.

### Key Contact

#### Paul Moss

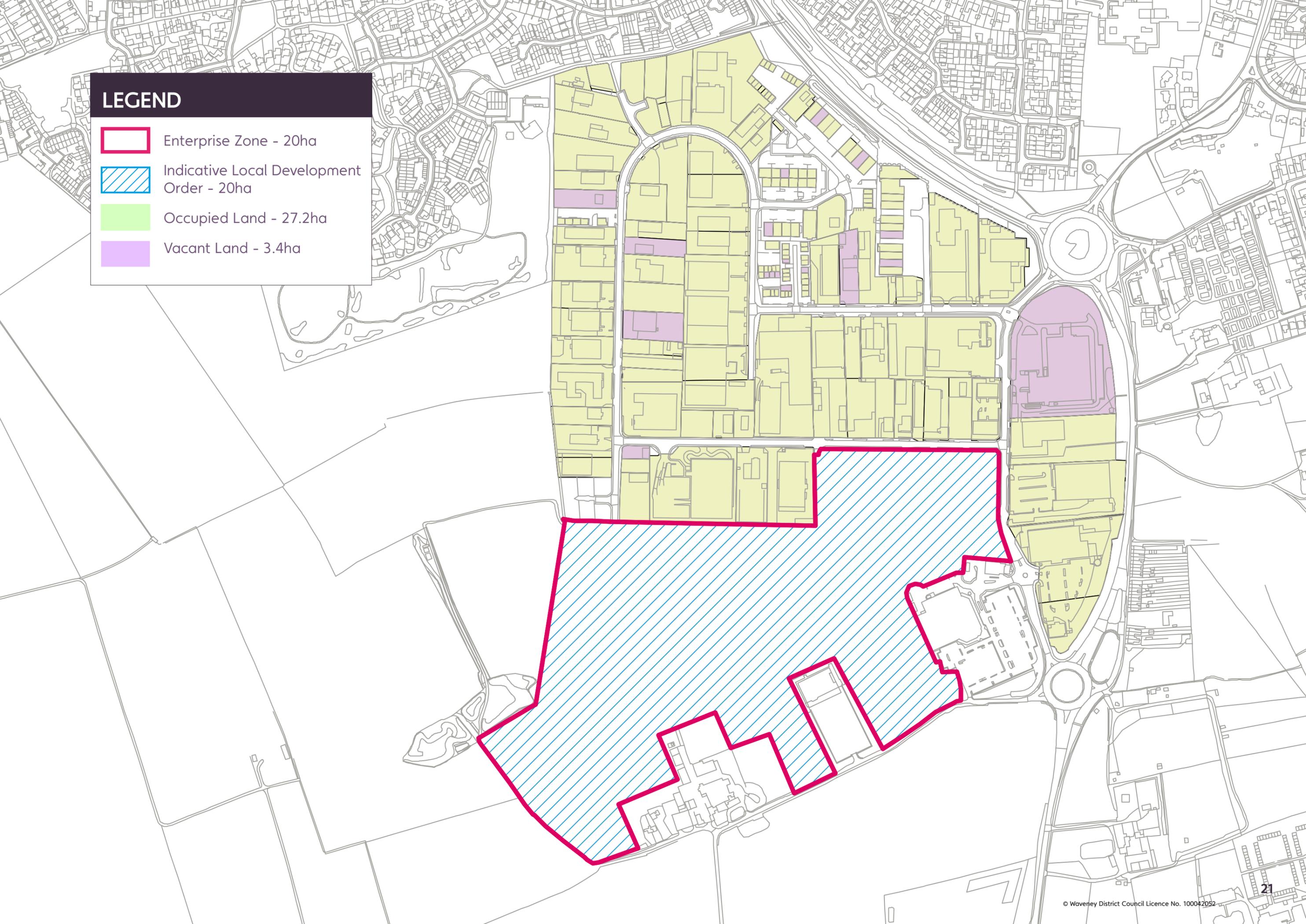
Principal Service Manager Economic Regeneration,  
Waveney District Council

**Tel:** +44 (0) 1502 523392

**Email:** paul.moss@waveney.gov.uk

# LEGEND

- Enterprise Zone - 20ha
- Indicative Local Development Order - 20ha
- Occupied Land - 27.2ha
- Vacant Land - 3.4ha



# SECTION 4

## LOWESTOFT MOBBS WAY

### Land Availability

The 4.7ha site is in two ownerships and is fully available now. Both land owners and their respective agents are working with the District Authorities Economic Regeneration Team to bring forward development on the site.

### Infrastructure

The site is at present partially serviced and proposals to complete service provision are nearing completion. Superfast broadband is scheduled to be available by December 2012.

### Background

Design and build services are available. The work carried out to reach the advanced stages of planning permission on the two parts of the site is expected to enable the site to develop quickly.

### Ability to Scale Up

None.

### Planning Status

The site is covered by the Waveney District Council's Local Development Framework, which has been adopted. As part of the Great Yarmouth and Lowestoft Enterprise Zone a Local Development Order (LDO) will be applied to the site. Full planning approval also exists for development of the 1ha site and outline approval exists for development of the 3.7ha rectangular part of the site.

### Enterprise Zones

The full extent of the site forms part of the Great Yarmouth and Lowestoft Enterprise Zone.

### Key Contact

#### Paul Moss

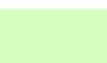
Principal Service Manager Economic Regeneration,  
Waveney District Council

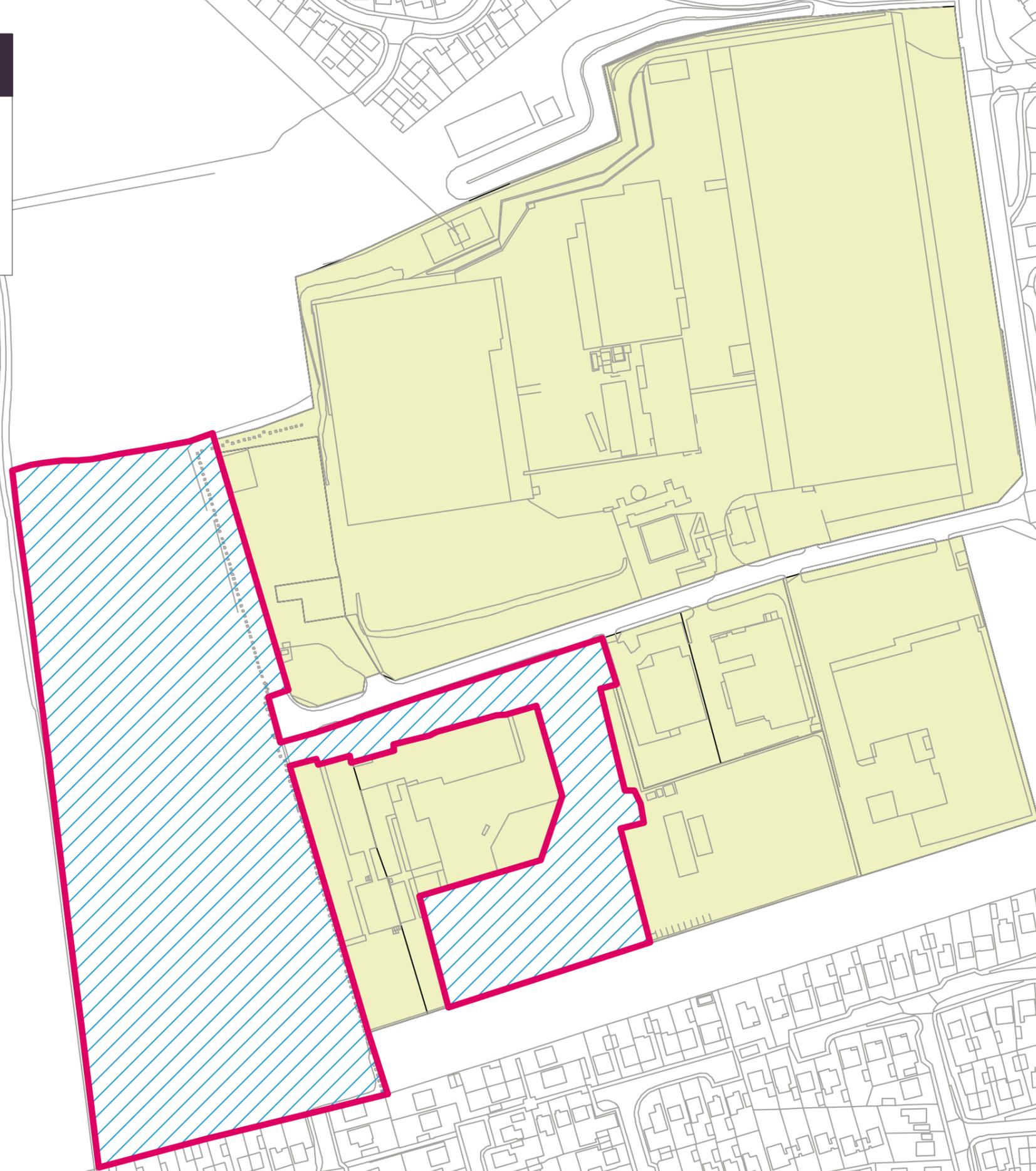
**Tel:** +44 (0) 1502 523392

**Email:** paul.moss@waveney.gov.uk



# LEGEND

-  Enterprise Zone - 4.7ha
-  Indicative Local Development Order - 4.7ha
-  Occupied Land - 11.4ha



# SECTION 4

## LOWESTOFT ELLOUGH



### Land Availability

The 17ha extension site is primarily in single ownership and the owner and his agents are working with the District Authorities Economic Regeneration Team to bring forward development on the site. The remainder of the site is presently up for sale. 1.7ha of land within the existing part of the estate is vacant and other areas are underutilised.

### Infrastructure

The existing site is fully serviced and service connection are provided for the extension site. The port is only 6 miles to the East along the A146/A12. Superfast broadband is scheduled to be available by December 2012.

### Background

The existing estate is well established and occupied by over 71 companies.

### Ability to Scale Up

Due to the potential scale of development land requirements to serve renewable energy developments in the Southern North Sea, additional land close to the site is being assessed for suitability to further extend the site should there be the demand.

### Planning Status

The site is covered by the Waveney District Council's Local Development Framework, which has been adopted. As part of the Great Yarmouth and Lowestoft Enterprise Zone a Local Development Order (LDO) will be applied to the site.

### Enterprise Zones

The full extent of the extension site forms part of the Great Yarmouth and Lowestoft Enterprise Zone.

### Key Contact

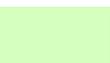
#### Paul Moss

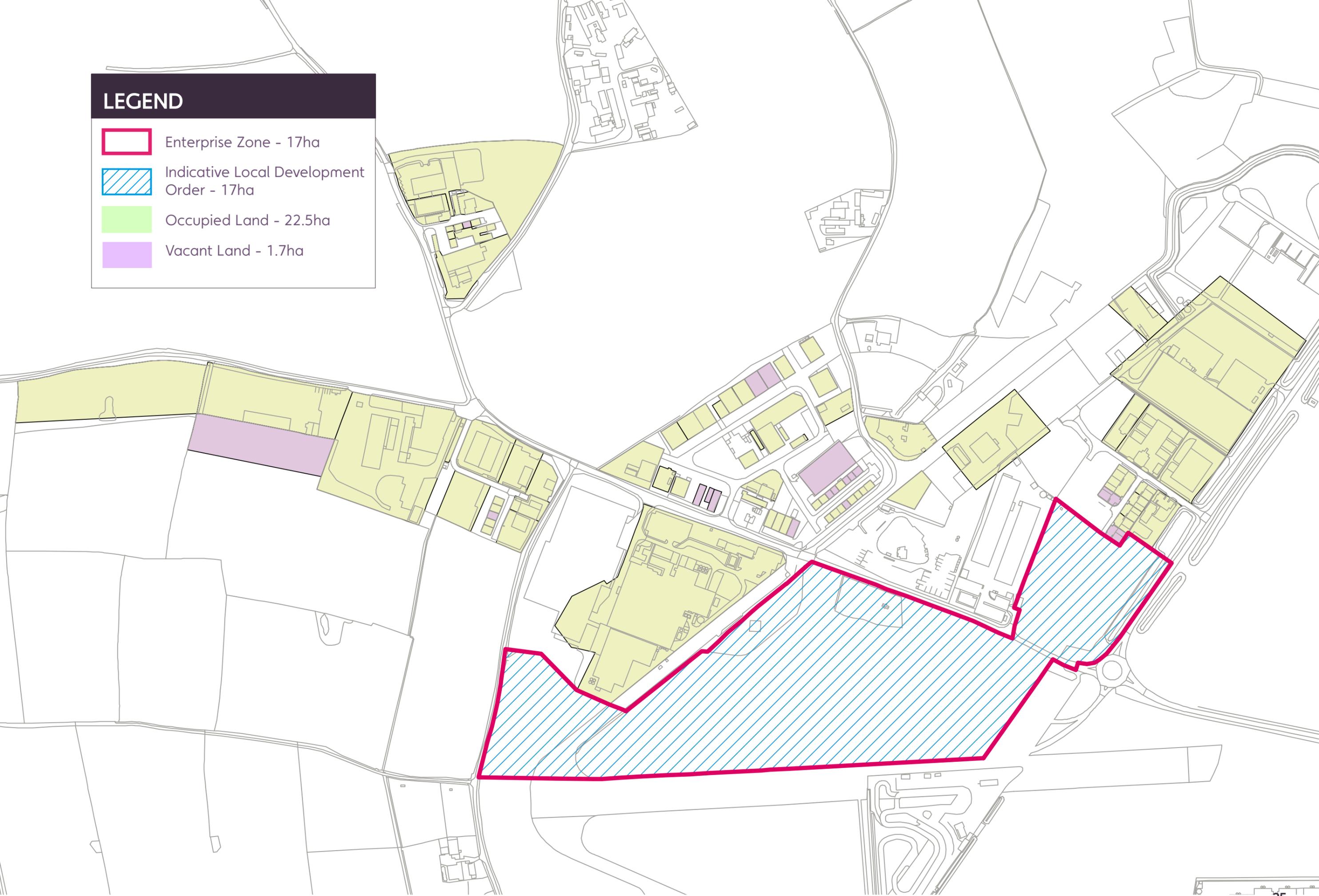
Principal Service Manager Economic Regeneration,  
Waveney District Council

**Tel:** +44 (0) 1502 523392

**Email:** paul.moss@waveney.gov.uk

# LEGEND

-  Enterprise Zone - 17ha
-  Indicative Local Development Order - 17ha
-  Occupied Land - 22.5ha
-  Vacant Land - 1.7ha



# SECTION 5

## AN IDEAL LOCATION FOR OFFSHORE ENERGY

With over 45 years of experience of operating in the Southern North Sea, Great Yarmouth and Lowestoft is the UK centre for Southern North Sea energy. Together they constitute England's largest concentration of offshore energy businesses.

This experience offers significant advantages. Together Great Yarmouth and Lowestoft have a supply chain and skilled workforce which understand the challenging operating conditions in the areas of the Southern North Sea where the Round 3 wind farms will be developed. No other location in England has this specialist knowledge of construction, installation, operations and maintenance in the hazardous weather and sea conditions of the Southern North Sea.

**This knowledge translates into better safety, risk management, cost control and timely delivery.**



## A responsive, cost effective and highly adaptable supply chain

Great Yarmouth and Lowestoft have an impressive energy sector supply chain of some 400 businesses, directly employing more than 10,000 staff and many times more in the wider supply chain spread across East Anglia. The supply chain has more than 45 years experience as the main supply, service and logistics base for UK Southern North Sea offshore industries. This experience has resulted in a concentrated network of highly experienced businesses that have successfully diversified into the offshore wind industry supporting the development, construction and operations of Round 1, 2 and 3 wind farm developments in the Southern North Sea.

These include: CLS, Petrofac, Sims, ODE, Seajacks, Gardline, Alicat, ERIKS, E-Tech, Norfolk Capacitors, Gaoh, Windcats, SLP Engineering, AKD, AFS, Pipesield and SPS.

## Funding for business

Funding to improve business competitiveness is available through the East of England ERDF programme, the only programme in the UK which is specifically targeted at low carbon business growth.

Investment funding for low carbon businesses is accessible through the Low Carbon Investment Fund, managed by the University of East Anglia.

The fund is only open to businesses operating in the East of England.

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



# SECTION 6

## A SKILLED AND EXPERIENCED WORKFORCE

With over 45 years experience in offshore energy, the area has a very strong and transferable energy sector skills base with more than 10,000 workers in the field. The existing skills base of the local labour force has a higher than average percentage of the working age population engaged in industries such as construction, building and engineering. There is also a higher than average proportion of businesses operating within the manufacturing and construction sectors.

### The Skills for Energy Partnership

This industry-led strategic group is leading programmes to attract people into the industry and provide paths in for all skill levels. The key objective is to ensure the workforce continues to be competitive and meets the needs of the industry both now and in the future. This programme is supported by many of East Anglia's major energy employers including Seajacks, Perenco, Shell, ODE, EDF, SSE, The Crown Estates, 3Sun/Dawson, CLSand SLP.

**"The Skills for Energy Partnership piloted in the East of England is a unique and successful example of how industry-led programmes at the local level, in cooperation with the public sector and education pioneers, can solve skills issues"**

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

### The Energy Skills Foundation Programme

An industry designed and supported 'pre-apprenticeship' college-based course to help people make informed career choices.

### Forces4Energy

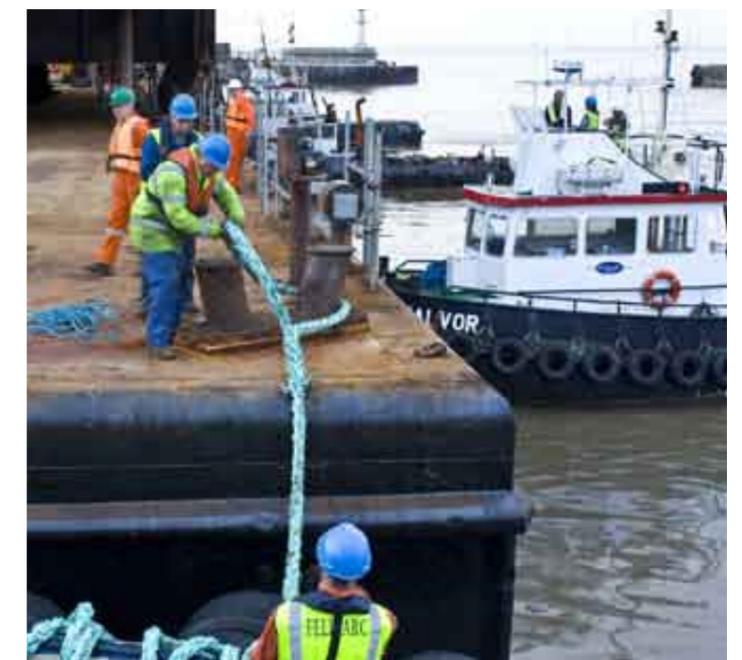
Facilitating the access to military personnel, providing transition training where current training provision does not meet their needs and work placements.

### MSc Energy Engineering and Environmental Management

This new MSc programme combines new investment in engineering with existing and substantial engineering expertise across the Faculty of Science in the fields of applied mathematics, energy resource, environmental management and electronic engineering. The programme has been developed in partnership with industry and employers, through close collaboration with the East of England Energy Group (EEEGR), and aims to deliver more high-calibre graduates in the field of Energy Engineering to help meet the growing demands of the sector.

### EPISCentre (Energy Production Innovation Skills Centre)

A skills centre to facilitate the provision of training to the industry. Currently in the pre-commissioning and planning stage, the build programme is anticipated to commence in 2012 and be fully operational by 2013.



# SECTION 6

## Lowestoft College

Lowestoft College has four Centres of Vocational Excellence, including one specialising in Offshore Technology (emergency response, process control and engineering) and another focusing on Skills for Energy (sustainable energy technologies and building engineering services). Training facilities include a purpose-built climbing and rescue tower to simulate a wind turbine, next to the College's environmental survival pool which can simulate the hostile North Sea in controlled safety with wind, waves, rain, lighting and sound effects combining to produce a testing environment in which offshore wind workers can gain the skills needed to survive at sea. The facility is also equipped with a wind turbine transfer ladder and helicopter hoist to enable transfer and rescue simulations.

## Great Yarmouth College

Great Yarmouth College provides training in engineering skills for apprentices and other workers in the Energy sector in addition to the more general training in skills such as information technology, communication systems, transport and logistics and administration. Developments such as the Foundation Apprenticeship programme for the Energy Industry will help to pave the way for younger entrants and to widen the pool from which the industry can draw.

## Petans

Petans provides courses and training for Offshore Survival, Firefighting, Helicopter Operations, Marine and Management of Safety. Specifically, for the Offshore wind industry Petans provides MCA maritime training for installers, and BWEA Basic, Working at heights, and marine transfer for Operations and Maintenance / Original equipment manufacturers.

## CLS Offshore

CLS Offshore is a full operating member of the Industrial Rope Access Trade Association (IRATA) and provides a Working at Height and Rope Access training facility at a permanent centre based in Great Yarmouth.

## Research and Development

Businesses locating to Great Yarmouth or Lowestoft have access to a very significant concentration of world leading university and corporate research. In the UK the East of England is the highest performer for R&D undertaken by businesses and is second only to London for generating intellectual property – measured in terms of patents granted per capita.

Energy sector businesses in the region can cooperate with a wide range of leading research and development organisations.

- University of East Anglia (UEA) – The UEA produces about 200 graduates (B.Sc., M.Sc. and Ph.D.) in environmental sciences each year together with about 140 IT graduates, all forming a large pool of highly trained personnel actively seeking jobs in the East Anglian region after graduation. The energy sector is a major consumer of these graduates. The university recently launched an MSc in Environmental Engineering, with plans for a B.Eng to follow shortly.
- Cambridge University – Institute for Manufacturing – one of the largest integrated engineering departments in Europe.
- Cranfield University – internationally leading research and training. Cranfield's Energy Technology Centre has been instrumental in the Energy Technologies Institute (ETI) funded Novel Offshore Vertical Axis (NOVA) project.



- University Campus Suffolk – part of UEA and University of Essex, UCS is a research based university specialising in risk management, on and offshore transportation and logistics, and energy technology.
- Centre for Environment, Fisheries & Aquaculture Science (CEFAS) – an internationally renowned research and advisory centre working in fisheries management, environmental protection and aquaculture.
- TWI – based in nearby Cambridge is one of the world's foremost independent research and technology organisations. It has a long history of invention, innovation and knowledge transfer and is a world renowned centre for advanced fabrication technology, corrosion protection and structural integrity assessments, working across all industry sectors.

## Key Contact

**James Gray**

Inward Investment Director for NSEA

**Tel:** +44 (0) 1493 446535

**Mob:** +44 (0) 7846 878583

**Email:** jg@eeegr.com

# SECTION 7

## AN AREA OF CHOICE TO LIVE, WORK AND PLAY

Living and working in Great Yarmouth and Lowestoft offers an enviable and highly attractive lifestyle. The area has many miles of sandy beaches, the world famous Norfolk Broads, maritime heritage and top class cultural events and festivals. It is only 20 miles from Norwich, the regional centre, full of history and culture as well as being a top ten UK retail centre with an international airport for business and holiday destinations, including three daily flights to Amsterdam offering connections to an extensive range of worldwide locations. The towns are also only around two hours from London by road or rail.

There is a variety of housing to suit all tastes and budgets, from terraced town houses and starter homes for the first time buyer, to modern family homes and cottages, all in a choice of urban, suburban and rural locations. Both house and commercial property prices are below the national average. There is a wide range of mainstream state and independent schools within many of the towns and villages. Norfolk and Suffolk are two of the safest counties in Britain, according to recent statistics.

The market towns have much to offer including many historic buildings, specialist shops and leisure facilities, surrounded by miles of peaceful unspoilt countryside. With a host of quality attractions, sporting facilities, locally produced food and drink, a year-round programme of events and a rich history and heritage, the area can provide an outstanding quality of life that is genuinely unique and highly prized by those who already live here.



# SECTION 8

## DEDICATED SUPPORT

### Energy Sector 'Soft Landing' Support Programme

Businesses locating to Great Yarmouth or Lowestoft will have the full support of national and local government and the business community.

In a unique partnership, local councils and business have come together to form the Norfolk Suffolk Energy Alliance (NSEA). NSEA's partners include local councils (elected politicians and senior executives), the region's energy sector industry body (East of England Energy Group – EEEGr) and the Chambers of Commerce. The NSEA partnership works very closely with the local ports and the offshore energy supply chain.

NSEA's Number one priority is to support potential investors in the energy sector. An energy sector support team with a dedicated Inward Investment Director provides a single point of contact for potential investors. The team has developed a 'soft landing' support package which delivers free and confidential support to new investors including:

- Access to key economic and cost data through the Councils' Economic Development departments.
- Information on skills availability, training programmes through the local colleges and the industry led Skills For Energy programmes (See Section 6).
- The energy sector support team has access to property databases and a network of contacts through which they undertake confidential searches for suitable land and buildings which meet investors' requirements.

- The Chambers of Commerce and EEEGr – energy sector industry body for the East of England – will help incoming businesses identify potential supply chain partners through their extensive networks.
- Our specialist energy sector knowledge hubs – EEEGr and ORBISEnergy – can provide local and national intelligence on the UK energy sector.
- The two port authorities can provide technical assistance related to compliance with port operations.
- NSEA's Board includes senior local politicians through which businesses will have access to local and national political support when required.

### Key Contact

**James Gray**  
Inward Investment Director for NSEA

**Tel:** +44 (0) 1493 446535

**Mob:** +44 (0) 7846 878583

**Email:** [jg@eeegr.com](mailto:jg@eeegr.com)





For further information, log onto [www.newanglia.co.uk](http://www.newanglia.co.uk) or email [info@newanglia.co.uk](mailto:info@newanglia.co.uk)

