



## Travel time from Humber

Humberside International Airport provides fast connections for more than **800 destinations** worldwide via KLM's daily flights to Amsterdam Schiphol.



Air



Rail

### Our location & connectivity

A gateway into Northern Europe, the Humber is **strategically located** midway between London and Edinburgh making us a fundamental transport and logistics hub.



Sea

The Humber has a prime location, giving **easy access to the capital, Europe and beyond**. The Humber Ports offer an unrivalled mix of facilities and capabilities, and together handle more than **77m tonnes of cargo annually**.



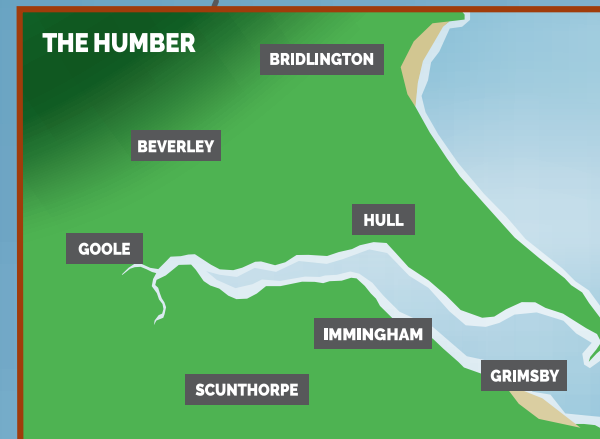
Road

We are a critical hub for trade and industry. A 4 hour drive from the Humber gives access to **40m people**, **75% of UK manufacturing**, and **320m customers** are accessible across mainland Europe within 24 hours.

The Humber is well connected by rail, with daily direct services to and from **London, Doncaster, York, Leeds, Sheffield and Manchester**. There are also direct quayside rail connections which link the port to the national railway network.

To Iceland & on to North America & Canada

To Baltic ports



To Mainland Europe

To Rotterdam & on to global markets

To Antwerp

### UK's Energy Estuary

The Humber has powered the UK economy for decades, bringing everything from food to freight, coal to cars, passengers to petroleum. In fact, the Humber is the UK's busiest port complex.

Our location and connectivity has led to us building a unique body of port-related logistics, engineering and manufacturing expertise and infrastructure, particularly in food, energy and chemical industries. We take raw materials to manufacture, engineer and invent products and services used all over the world. Today, we are building on these credentials and our rich agricultural land to capitalise on the global requirement for renewable sources of energy.

That investment is fuelling further demand for high quality offices, hotels, restaurants, shops and leisure facilities.

We look forward to welcoming you to the Humber.

[www.investhumber.com](http://www.investhumber.com)



**The Humber:**  
UK's Energy Estuary

[investhumber.com](http://investhumber.com)  
[marketinghumber.com](http://marketinghumber.com)



# The Humber: UK's Energy Estuary

We are home to the UK's largest enterprise zone

**20+** onshore windfarms provide power for over 200,000 UK homes.

We are **number 1** for biofuel production which fuels our power stations to produce 17% of the UK's electricity.

## FAST FACTS

We have the **UK's 2nd largest** chemical cluster

Home to **two** of the UK's **6** main oil refineries

**1/3** OF THE COAL & BIOMASS IMPORTS

**1/5** OF THE UK'S GAS IMPORTS

**1/3** OF THE UK'S REFINED FUEL

**1/6** OF THE UK'S ELECTRICITY GENERATION

The Humber currently deploys **1.87GW** of power

with a further **11GW** to be commissioned by 2030. 85% of the UK's planned development. (Hornsea 1/2/3, Triton Knoll, & Dogger Bank).

The region is a base for no fewer than **5** power stations and **2** major oil refineries providing 27% of the UK's oil refinery production.

The proposed **YORKSHIRE ENERGY PARK** will combine on-site clean energy generation, data storage, education, R&D alongside business in a high quality campus setting.

**1/3** of the UK's coal and sustainable biomass comes in through the Humber to make energy.

**REGRO** produces economical and environmentally sound alternatives to traditional fuel oils.

The **AURA INNOVATION CENTRE** will provide a focus for SMEs to help stimulate innovation through collaboration in the low-carbon energy sector.

THE **OPERATIONS & MAINTENANCE CENTRE OF EXCELLENCE** is a partnership between the **OFFSHORE RENEWABLE ENERGY CATALYST** and the **UNIVERSITY OF HULL** which connects offshore wind farm owners, operators, supply chain, industry leaders, regulators and academia to drive solution-focused innovation and improvements in operations and maintenance for the offshore wind industry.

A catalyst for collaboration, **AURA** brings together industry partners, academia, local and national government and other organisations to harness and drive innovation in the low carbon and renewable energy sector.

### UNIVERSITY OF HULL

From protecting the marine environment to improving the safety of offshore workers, delivering economic impact assessments and hosting the UK centre of excellence for offshore wind operations, the **UNIVERSITY OF HULL** is driving innovation in the offshore wind industry.

The **£200m ENERGY WORKS** plant is the largest privately-funded power station of its kind; once operational it will power **43,000** homes.

The **GREEN PORT HULL** vision is to establish the Port of Hull as a world class centre for renewable energy. The site is home to the **£310m SIEMENS GAMESA & ABP** investment and is Europe's largest offshore wind turbine manufacturing plant - currently the only purpose-built facility in the world to combine wind power manufacturing and port operations.

**BP's** chemical manufacturing facility in Hull is the **largest** producer of acetic acid and acetic anhydride in Europe. Hull is also home to one of BP's principal global centres for petrochemicals research and technology.

On the East Coast we have access to over **400** offshore wind turbines.

**3** of the world's largest wind farms are on our doorstep and will attract between **£75bn - £100bn** of investment.

We are home to multinational and British companies including: **SSE, Associated Petroleum Terminals, ØRSTED, Centrica, E.on, Siemens and Multifuel Energy.**

**ØRSTED** is the world's leading offshore wind developer, investing **£6bn** in offshore wind in the Humber.

**HORNSEA** projects will be the world's largest offshore wind farms. Hornsea Project Two alone, once operational in 2022, will produce enough green energy to power **1.3m** homes.

The Humber is the centre of the forests products trade in Britain.

The Humber has a prime location, giving easy access to the capital, Europe and beyond. The Humber Ports offer an unrivalled mix of facilities and capabilities, and together handle more than **77m tonnes** of cargo annually.

The Humber Ports make up the **biggest port complex** in the UK, activities here meet **10% of the UK's** energy needs.

**PERENCO** is the operator of a large number of offshore gas fields in the North Sea, its gas production in the North Sea is around **72,000 barrels of oil equivalent per day** (boepd).

**CENTRICA STORAGE LTD** safely produces and processes gas from the Southern North Sea.

The Energy cargoes handled at Humber Ports keeps **1 in 10** of the UK's lights on

Works on the **£100m River Humber Gas Tunnel** are underway. Once complete the tunnel will carry **1/5** of the UK's gas supply to millions of homes.

**£7bn** (and counting) has been invested in Offshore Wind Farms off the Humber already.

The Humber is investing in a skilled and productive workforce. Providers include: **HETA, HOTA, ENGINEERING UTC NORTH LINCOLNSHIRE, RON DEARING UTC, HULL COLLEGE, CATCH, SIEMENS, WILBERFORCE COLLEGE, EAST RIDING COLLEGE, BISHOP BURTON COLLEGE, HFR SOLUTIONS** and **UNIVERSITY OF HULL**.

Grimsby is generating more electricity from **renewables** than anywhere else in England. It makes an astonishing **28%** of the electricity it uses from green sources.

**ABP** has spent **£140m** on a terminal at Immingham to supply biomass to **DRAX POWER STATION**.

Grimsby has established itself as the UK's leading offshore O&M cluster in the UK with **£45m** invested in infrastructure and O&M facilities, and **ØRSTED, E.ON, SIEMENS, MHI VESTAS, JAMES FISHER MARINE, C/WIND** and **SEMCO** establishing bases here.

The proposed **GREAT COATES RENEWABLE ENERGY CENTRE** once operational will produce the equivalent annual electricity consumption of approximately **29,000** homes.

We are a critical hub for trade and industry. A 4 hour drive from the Humber gives access to **40m** people, **75%** of UK manufacturing and **320m** customers are accessible across mainland Europe within 24 hours.

Our marine engineers have invested over **£500m** in locally built, state of the art, offshore support vessels.

**HUMBERSIDE INTERNATIONAL AIRPORT** provides fast connections for more than **800** destinations worldwide via KLM's daily flights to Amsterdam Schiphol.

The dedicated accommodation facility **NIGHTEL**, located at **HUMBERSIDE AIRPORT**, for offshore, oil, gas and renewable energy and BAE students.

**VPI** is one of the largest combined heat and power plants in Europe, capable of generating **1,240MW** and up to **930 tonnes** of steam per hour.

**CPL**, the largest domestic fuel producer in Europe, have invested **£4m** in commercialising technology to produce solid fuels in hours. The new facility will add manufacturing capability to the Immingham dock side.

Freight by rail produces **70% less CO2** than the equivalent journey by road. At Immingham, we handle around **1/4** of all UK rail freight journeys.

**SINGLETON BIRCH** has its own Anaerobic Digestion facility at its Melton Ross Lime works which generates **40%** of the site's power consumption.

Steel made at **BRITISH STEEL** is used all over the world; in London, the Petronas Towers in Malaysia, and the T'Sing Ma Bridge in Hong Kong. It is needed to construct anything from wind turbines and paperclips.

**PHILLIPS 66 REFINERY** supplies **20%** of all UK's petroleum products, enough to keep **500,000** cars on the road each day.

**PHILLIPS 66** and **TOTAL LINDSEY OIL REFINERY** have a combined refining capacity of over **22m tonnes** per year.

**PHILLIPS 66 REFINERY** is recognised as one of the best in the world and is key in the supply chain for **battery technology** development. With recent growth in its supply of high grade graphite coke, production now puts **500,000** new cars on the road.

**ABLE MARINE ENERGY PARK** allocated for wind turbine manufacturers and their supply chain.

**SALTEND CHEMICALS PARK**, owned and operated by **PX GROUP** is a cluster of world-class chemicals and energy businesses including: **INEOS, YARA, BP, NIPPON GOHSEI, TRICOYA** and **AIR PRODUCTS**.

A **£170m** waste-to-energy plant is being proposed for Immingham by developer **North Beck Energy**.

**CATCH** is an industry led partnership supporting the process, energy, engineering and renewable industries. They operate a **£12m training facility** offering industry authentic training and assessment that includes a live three storey process plant with control room, bundled tank farm and process simulator.

**MODAL TRAINING**, a **£7m world-class state-of-the-art training facility** provides simulator training for ports, maritime, offshore and logistics sector.

The energy sector employs **17,000** people in the region, accounting for 5.1 per cent of employment.

The Humber is well connected by rail with daily direct services to and from **London, Doncaster, York, Leeds, Sheffield and Manchester**. There are also direct quayside rail connections which link the port to the national railway network.

The Grimsby, Sheffield and Hull triangle is the **largest** energy sector in the UK.

The Humber hosts a number of Energy Intensive Industries, including: petrochemicals, refineries and alternative fuels production; chemical manufacturing and storage; steel making; cement and lime manufacturing; glass manufacturing; food processing and manufacturing and onshore and offshore gas production and storage.



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