Working in Offshore Wind

Jobs and Careers in North East Lincolnshire

What Is Renewable Energy?

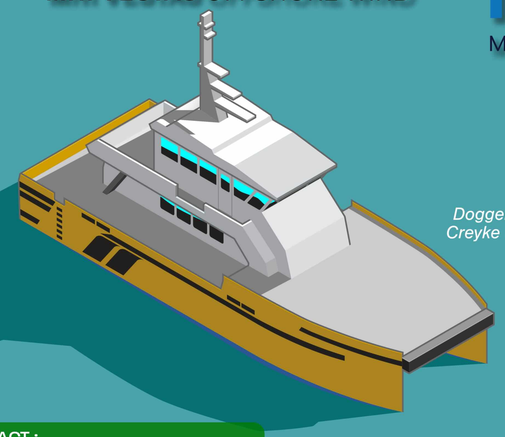
- Renewable Energy is generally defined as energy that comes from resources that are naturally replenished - wind, sun, rain, tides and waves.

Useful Subjects :

- Maths
- English
- Science
- Technology
- Business

The Energy sector is closely linked to :

- Engineering
- Manufacturing
- Ports & Logistics



United Kingdom

Teesside

Middlesbrough

Employability Skills For Energy Sector :

- Problem solving
- Communication
- Team working
- Attention to detail
- Computer skills

Supply Chain Companies :

- Iceni Marine Services
- Wincat Workboats
- Northern Offshore Services

York

Blackpool

Leeds

Hull

Manchester

Sheffield

Hidden World Of Wind :

- Environmental surveying
- Cable laying
- ROV - remote operated vehicles
- Drone flying for surveys
- Mathematical modelling
- High voltage electricity specialists
- Specialist crane operators
- Engineering
- Consents management
- Contract negotiation

FACT :

Offshore Wind Farms Power supply :

- Lynn & Inner Dowsing 130,000 homes
- Lincs 200,000 homes
- Humber Gateway 170,000 homes
- Westermost Rough 180,000 homes
- Race Bank 400,000 homes

FACT :

Turbines will be made in the Humber which means a wider supply chain of :

- Manufacturers
- Repair & Maintenance contractors

FACT :

3 of the world's largest wind farms are on our doorstep and form some of the largest engineering projects in the world.

World's Biggest Wind Farm - Hornsea Project One :

FACTS:

Located 120km off East Yorkshire Coast

The first part a 65 metre, 800 tonne structure at the base of the wind farm has been installed by Orsted

The structure is the first of 174 turbines

Each turbine is 65m long, weighs about 800 tonnes and has a diameter of 8.1m

Once complete will produce enough energy for 1 million homes, expected by 2020

Locations Of Wind Farms :

- Humber Gateway
- Westermost Rough
- Lynn
- Inner Dowsing
- Racebank
- Hornsea
- Triton Knoll

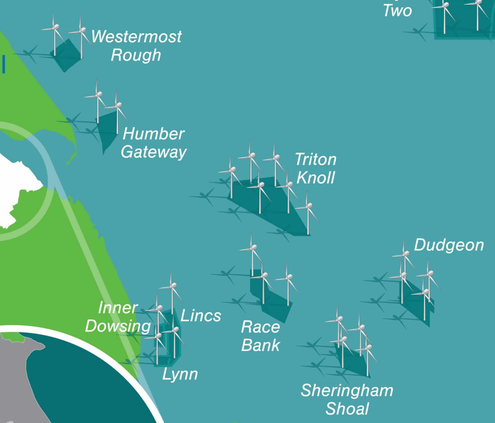
FACT :

In North East Lincolnshire, Renewable Energy accounts for 3250 direct jobs plus many more in the local supply chain.

3250 JOBS

Under Water:

- Law
- Environmental
- Geographics
- Geophysics
- Map drafting



Offshore Wind Job Roles :

- Renewable Energy Designer
- Marine Engineer
- Civil Engineer
- Operations Manager
- Wind Turbine Engineer
- Project Manager
- Maintenance Technician
- Rigger
- Welder
- Installer

Type of Job	Average Salary
Offshore Wind Maintenance Technician	£35,000
Renewable Maintenance Engineer	£29,035
Professional Energy Engineer	£45,855
Project Manager	£57,155

Types Of Offshore Wind Companies :

- Construction
- Operations & Maintenance (O & M)
- Asset Management
- Vessels
- Specialist suppliers *eg.* specialist health & safety, blade inspectors, blade repairs
- Other supply chain

DID YOU KNOW

Nearly **160,000** People Live In North East Lincolnshire

North East Lincolnshire Covers An Area Of 192 Square Kilometres (74 Square Miles)

The Average Annual Gross Salary For Full-time Work Is **£26,405**

There Are About **5660** Businesses Across Grimsby, Cleethorpes And Immingham

There Are **70,000** Jobs In The Area

Facts - Local :

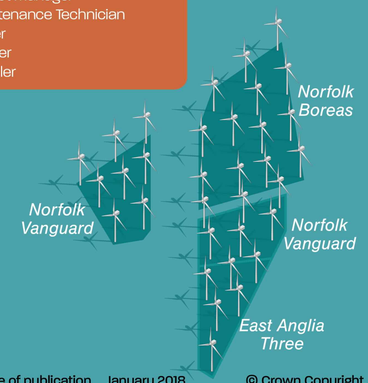
- 5.1% of jobs in the Humber are in renewable energy
- The Humber region is set to become the heart of the UK's renewable region
- Our regions 20+ onshore wind farms produce power for 200,000 UK homes
- Offshore wind farms currently produce power for well over a million households
- The scale of our energy industry means demand is high for engineering support and top talent

Offshore Wind Companies :

- Siemens Gamesa www.siemensgamesa.com
- Orsted www.orsted.co.uk
- MHI Vestas www.mhivestasoffshore.com
- Triton Knoll www.tritonknoll.co.uk
- E.ON www.eonenergy.com

FACT :

The building of Offshore Wind Farms are some of the largest construction projects in the world.



Birmingham

Norwich

Scroby Sands

Netherlands

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