



# Energy

**5% of employment in the Humber is in the Energy Sector.**

The Energy Sector relates to the production and supply of energy. Renewable energy is generally defined as energy that comes from resources which are naturally replenished on a human timescale such as sunlight, wind, rain, tides, and waves. Renewable energy replaces conventional fuels in four distinct areas, electricity generation, air and water heating/cooling, motor fuels, and rural (off-grid) energy services.

The Energy Sector is very closely linked with engineering, manufacturing and ports & logistic sectors.

### Will there be opportunities available?

■ Labour demand across the energy and infrastructure sectors will be significant, totalling around 760,000 by 2024. This includes 160,000 new jobs and replacing 600,000 people due to retirements.

■ There will be a total labour demand of 8.7 million jobs in the UK by 2024.

■ The offshore wind sector will need to compete against other desirable infrastructure sectors to acquire the 36,000 people that will need to be employed by 2032.

■ Over the coming years, additional projects will enter the project pipeline, meaning there is likely to be a continued need for services, people and skills during both the construction and operation phases of an offshore wind farm's lifespan.

■ The scale of our energy industry means demand is high for engineering support and top talent.

### Did You Know?

■ 3 of the world's largest wind farms are on our doorstep and form some of the largest engineering projects in the world attracting between £75 - £100 billion.

■ The region has over 20+ onshore windfarms.

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

■ The Grimsby, Sheffield & Hull triangle is the largest energy sector in the UK.

Types of Job	National Average Salary
Renewable Energy Technician	£23,000 to £42,000
Engineering Maintenance Technician	£18,000 to £40,000
Renewable Energy Engineer	£20,000 to £80,000
Project Manager	£22,000 to £70,000
LGV Driver	£18,500 to £35,000
Engineering Operative	£14,000 to £25,000

■ Once completed the Humber Gas Tunnel will carry 1/5 of the UK's gas supply to millions of homes.

### Skills/qualities

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

### Useful subjects include

- Science
- Maths
- Engineering
- Technology
- Business

### Some local employers

- Siemens
- C Spencer Ltd
- Able UK
- Ecotricity
- SmartWind
- Orsted
- GEV Wind
- Boston Energy

Sources: Business Register Employment Survey, Annual Survey of Hours and Earnings, Office of National Statistics, EUSkills.

**Good to Know:** Emerging roles within this sector offer exciting jobs with good salary packages. Many require a science, technology, engineering or maths base.

**For information...** <https://nationalcareers.service.gov.uk/> [www.skillseastriding.co.uk](http://www.skillseastriding.co.uk)  
[www.logonmoveon.co.uk](http://www.logonmoveon.co.uk) [www.lincs2.co.uk](http://www.lincs2.co.uk) [www.lincs4u.co.uk](http://www.lincs4u.co.uk) [www.apprenticeships.gov.uk](http://www.apprenticeships.gov.uk)  
[www.allaboutcareers.com](http://www.allaboutcareers.com) [www.euskills.org.uk](http://www.euskills.org.uk) [www.greenporthull.co.uk](http://www.greenporthull.co.uk) [www.deliveringyourfuture.co.uk](http://www.deliveringyourfuture.co.uk)

**Search for jobs by...** popping in to your local Job Centre  
• checking your local newspapers • attending events and seminars  
• checking out YouTube and Social Media • talking to family and friends

[opportunitycentre@aspire-igen.com](mailto:opportunitycentre@aspire-igen.com) @aspire-igen @aspire-igen

**Disclaimer** Aspire-igen staff have researched the web links referenced in this publication. However, website information can change rapidly. Aspire-igen does not endorse organisations or accept any responsibility for the content of external sites.

