

CLEAN ENERGY, LOW CARBON & HYDROGEN

What is the Clean Energy, Low Carbon and Hydrogen sector?

The Tees Valley has become a national hub for Clean Energy, Low Carbon and Hydrogen. The Tees Valley is home to a clean energy and low carbon research campus, the first UK Hydrogen Transport Centre and in Spring 2021 it was announced Tees Valley will have the UK's largest freeport. This large amount of investment in the clean energy, low carbon and hydrogen sector will pave the way for hundreds of clean energy jobs.

Energy involves the generation of heat and power for homes, businesses and transport. The clean energy low carbon and hydrogen sector is about designing products to minimise waste and encourage re-use when manufacturing products or materials.

Companies in Tees Valley are finding innovative ways to use waste products which helps to reduce their impact on the environment. This sector is growing fast with a strong focus on increasing green and renewable energy.

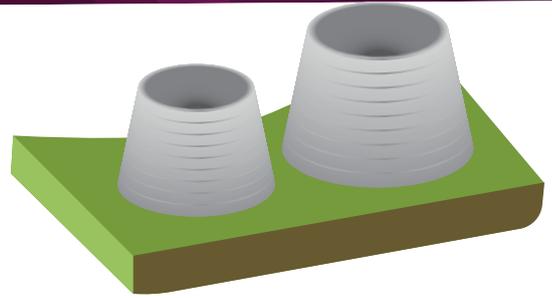
Key Information

Over 5630 people work in the Clean Energy, Low Carbon and Hydrogen sector in the Tees Valley.

There were over 170 Clean Energy, Low Carbon and Hydrogen sector vacancies advertised online in the Tees Valley in 2020.

Only 20% of the current workforce is female, there is a need to recruit more women to the sector.

The UK has committed to reducing 100% of greenhouse gases by 2050 from 1990 levels and is investing in renewable sources and technologies such as wind, solar, hydrogen, carbon capture and storage.



Useful Subjects

- English
- Mathematics
- Science
- Technology
- Engineering

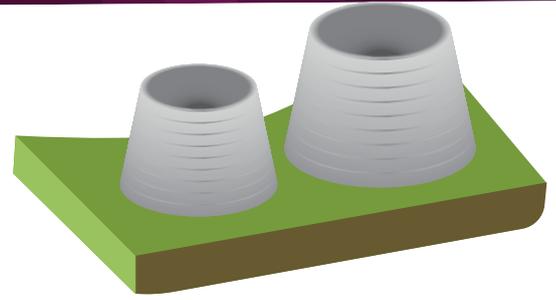
Skills and Qualities

- Accuracy and attention to detail
- Communication
- Problem Solving
- Organising and Planning
- Leadership
- Teamwork

Top 5 specialised skills most requested in Energy & Circular Economy job adverts

1. Water Treatment
2. Customer Service
3. Sales
4. Chemistry
5. Budgeting

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Average annual salaries in the Tees Valley

Managers and Directors in Energy	£44,700
Environment Professionals	£39,100
Physical Scientist	£38,500
Conservation Professional	£33,100
Engineering Technician	£30,000
Water and Sewerage Plant Operative	£26,700
Refuse and Salvage Worker	£21,000

Routes into the Clean Energy, Low Carbon and Hydrogen sector

Apprenticeships are a well-respected route into the Clean Energy, Low Carbon and Hydrogen industry with many employers offer well established apprenticeship programmes. Many employers will support work based and academic development through on the job and off the job training, including paying for higher education qualifications. For more information on apprenticeships please visit www.apprenticeships.gov.uk.

Further Education in a college or sixth form is also a well-established route into the Clean Energy, Low Carbon and Hydrogen where qualifications in STEM subjects (Science, Technology, Engineering and Maths) will give you an advantage. To search for a course please visit www.ucasprogress.com.

Higher education is also a popular route into Clean Energy, Low Carbon and Hydrogen with courses in subjects such as Engineering, Mathematics or Earth Sciences. Please visit www.ucas.com to find out more.

More Information:

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