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## **Understanding Britain's Industrial Clusters**

[www.ecitb.org.uk](http://www.ecitb.org.uk)



There are six major industrial clusters across Great Britain:

- Black Country Cluster
- East Coast Cluster incorporating Humberside and Teesside
- Net Zero North West
- Scottish Cluster
- Solent Cluster
- South Wales Industrial Cluster



# Britain's industrial clusters



## Industry Sector Key

**CO<sub>2</sub>**  
Carbon capture



Upstream  
oil & gas



Downstream  
oil & gas



Power

**H<sub>2</sub>**  
Hydrogen



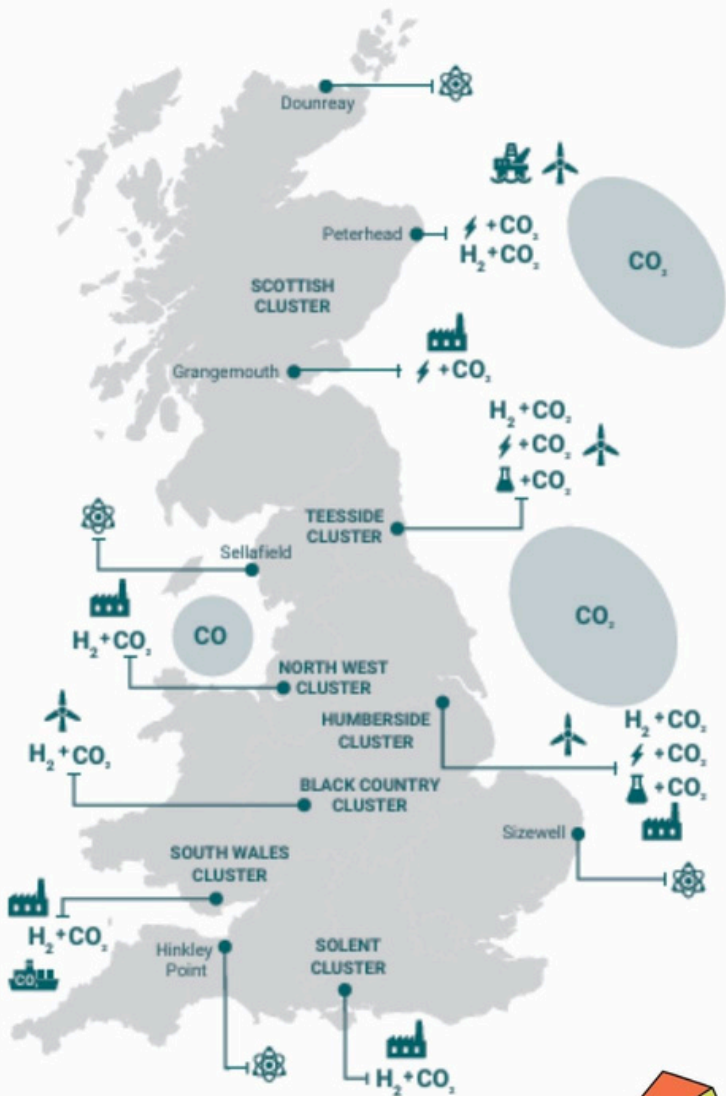
Renewables



Chemicals



Nuclear



# BLACK COUNTRY CLUSTER

Within the next ten years, the Black Country Cluster aims to reduce industrial carbon emissions by 1.3 megatonnes of CO<sup>2</sup>.

It spans 3,500 energy-intensive manufacturing businesses, such as iron and steel processing and automotive, food and beverage manufacturing across the four metropolitan areas of Wolverhampton, Walsall, Sandwell and Dudley.

It aims to enable clean GVA growth of £16bn by 2030, creating or safeguarding at least 20,000 skilled jobs.

The project will create mini-clusters of zero carbon industry across the region in multiple industrial sectors and strategically-selected circular economy zero-carbon industrial hubs.



**Read more:**

[idric.org/stakeholders/black-country-cluster](https://idric.org/stakeholders/black-country-cluster)

# EAST COAST CLUSTER

The East Coast Cluster (ECC) unites the Humber and Teesside with the infrastructure to decarbonise industry.

One of the first two carbon capture, usage and storage clusters (CCUS) to be taken forward by the UK government, the East Coast Cluster will remove almost 50% of the UK's total annual industrial cluster CO<sup>2</sup> emissions (up to 27m tonnes) by 2030.

It will protect thousands of jobs and establish the region as a globally competitive, climate-friendly hub for industry and innovation.

Net zero projects within Humber and Teesside will create more than 25,000 additional jobs.



**Read more:**  
[eastcoastcluster.co.uk](http://eastcoastcluster.co.uk)

# HUMBERSIDE INDUSTRIAL CLUSTER

The Humber region emits more CO<sup>2</sup> than any other UK industrial cluster and represents the largest opportunity for decarbonisation.

It has ambitious plans to achieve:

- Low carbon status by 2030 and net zero in 2040.
- Two CCUS systems - East Coast Cluster and Viking CSS.
- Greenhouse gas removal technologies (GGR) to achieve net-negative emissions for the region as early as 2030.
- Creation of 1.6GW of low carbon blue and green hydrogen production and 10Twh offshore storage, equivalent to 50% of the UK requirement by 2050.
- Electrification measures particularly for steel making.
- Humber skills and supply chains.
- Capital costs between £7bn-£10bn.
- 70,000 new jobs nationally and 20,000 in the Humber.

**Read more:**  
[humberindustrialclusterplan.org](https://humberindustrialclusterplan.org)

# NET ZERO TEESSIDE

Net Zero Teesside is a collection of industrial, power and hydrogen businesses which aim to decarbonise their operations.

The Teesside Industrial Cluster aims to:

- Deliver the UK's first decarbonised heavy industrial cluster by 2040.
- Deliver large CCUS systems and over 4GW of hydrogen production by 2030.
- Create a National Hydrogen Transport Hub, supporting the transition to zero emissions transport.
- Deliver training and employment opportunities aligned to the new green economy.
- Stimulate £10bn investment and create up to 30,000 new jobs.



**Read more:**  
[netzeroteesside.co.uk](http://netzeroteesside.co.uk)

# NET ZERO NORTH WEST

Net Zero North West brings together the industrial powerhouses of the Liverpool and Manchester City Regions, Cheshire and Warrington, Lancashire, Cumbria and North Wales.

Hydrogen with carbon capture and storage plays a central role in the region's decarbonisation strategy through the HyNet project which could produce 4GW of the Government's new 10GW hydrogen target by 2030.

The cluster offers a multi-vector energy system that can drive clean growth:

- £36.5bn near-term GVA uplift with £285 bn overall.
- Establishing domestic supply chains in green technologies.
- The world's first net zero region by 2040.
- £30bn near term investable projects with £207bn overall investment.
- Safeguarding and creating 34,500 green jobs.
- Saving 46Mt of CO<sup>2</sup> including 17Mt from industry.
- Driving energy security.

**Read more:**  
[netzeronw.co.uk/north-west-cluster](https://netzeronw.co.uk/north-west-cluster)

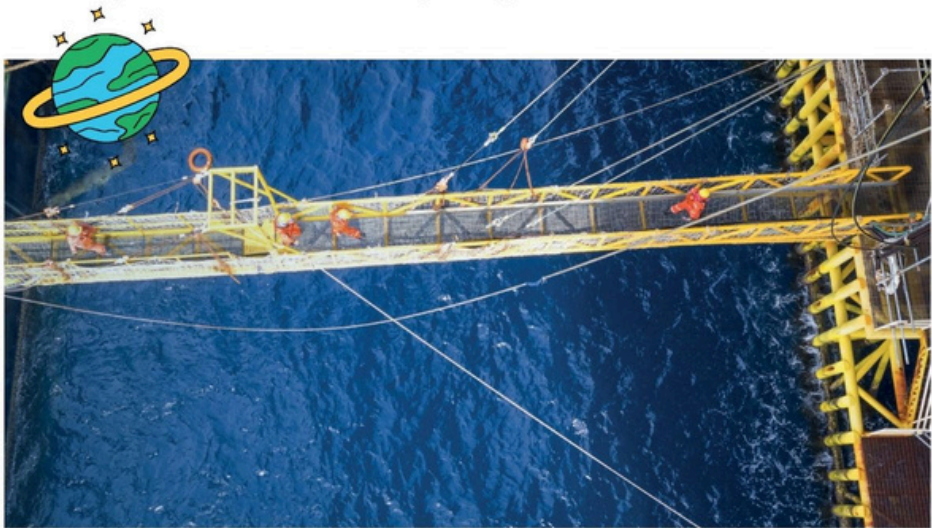
# SCOTTISH CLUSTER

The Scottish Cluster, comprising a cross-sector group of industrial CO<sup>2</sup> emitters and the Acorn carbon capture and storage and hydrogen project partners, aims to capture up to 10m tonnes of CO<sup>2</sup> annually by 2030.

The first phase of development will involve high-emitting sectors including industrial sites and power generation plants, along with the generation of hydrogen and the deployment of Direct Air Capture (DAC) technology.

Acorn would provide the transport and storage network for the Scottish Cluster, which involves innovative decarbonisation technologies to capture and permanently store CO<sup>2</sup> emissions under the North Sea.

It is expected to deliver 20,600 jobs in the next decade.



**Read more:**  
[thescottishcluster.co.uk](https://thescottishcluster.co.uk)

# SOLENT CLUSTER

Hampshire and its marine gateway, the Solent, is one of the largest and most successful industrial areas in the UK.

Its goals are:

- To make a major contribution to the UK's move to net zero.
- To enable the Solent and wider region to become a leading area for low carbon investment, now and for the future.
- To bring new jobs and investment for the benefit of our communities and secure existing jobs and livelihoods.
- To help the UK remain competitive and deliver on national energy priorities.
- To provide a platform to showcase the Solent's low carbon innovation and collaboration and embrace future fuel technologies.
- To enable the production of reliable and sustainable fuel sources.
- To make a tangible difference to the communities, businesses and industries that are situated in the Solent.

**Read more:**  
[thesolentcluster.com](https://thesolentcluster.com)

# SOUTH WALES INDUSTRIAL CLUSTER (SWIC)

South Wales is home to a significant industrial base, including the UK's largest integrated steelworks, one of the UK's seven oil refineries and one of only four nickel refineries in Europe.

In addition, there are a number of other energy-intensive manufacturing plants and industries within a diverse range of sectors including steel recycling, cement, paper, glass, mineral wool and chemical, food and general manufacturing industries.

SWIC's vision is to achieve:

- Net zero industries in South Wales by 2040, equating to 40% reduction of current Welsh CO<sup>2</sup> emissions.
- Retention of 113,000 jobs and a net positive increase in jobs overall.
- Unlocking £30bn investment opportunities in the region.



**Read more:**  
[swic.cymru](http://swic.cymru)