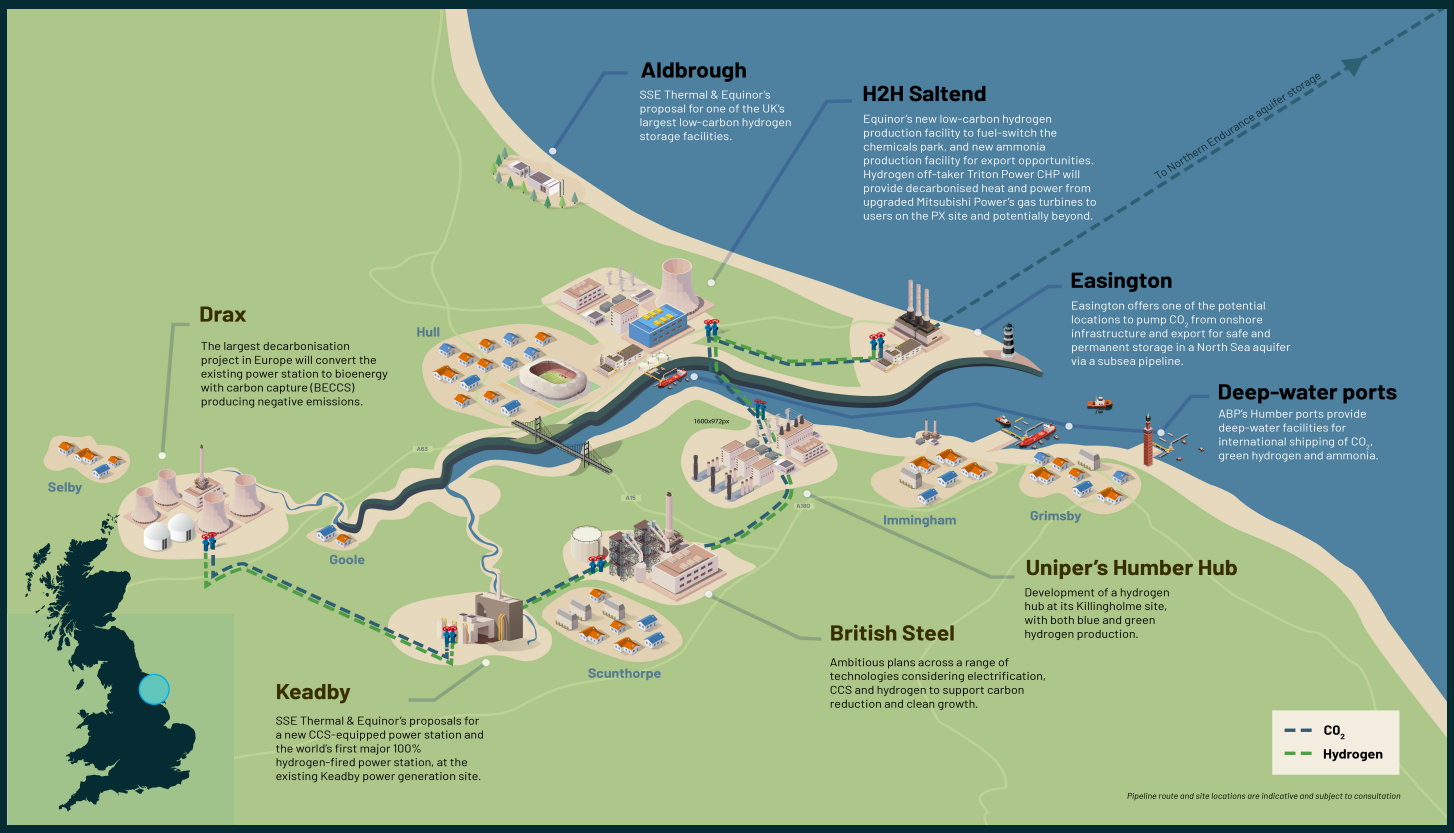
Carbon Capture Utilisation & Storage Case Study

Zero Carbon Humber | ZEROCARBON HUMBER



The Zero Carbon Humber scheme seeks to make the Humber the world's first net zero industrial cluster through the use of low carbon hydrogen and carbon capture and storage. Shared infrastructure across the region links emitters, providing them with low carbon hydrogen for use in their processes whilst also capturing their CO_2 and transporting it for safe storage in aquifers under the North Sea. The kick-starter project, H2H Saltend, will produce low carbon hydrogen to fuel switch the existing power station at Saltend Chemicals Park, as well as low carbon ammonia for export. There is also the potential for further hydrogen production at Uniper's Humber Hub. At Keadby, a new power station will be equipped with CCS and will be the world's first at scale.

- **H_2** Low carbon H_2 production at scale by 2030
- **CO_2** CO_2 emissions reduced 8.25Mt a year by 2030
- Region contributes £18Bn towards UK economy each year
- Protect 55,000 jobs and create 49,000 new ones

2026
- H2H Saltend operational

2027
- Drax BECCS operational
- Uniper's Humber Hub near Immingham

2027-29
- Keadby 3 with CCS

2030
- World'd first carbon negative power station

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