

# Teesside Hydrogen CO<sub>2</sub> Capture

## An East Coast Cluster Industrial Carbon Capture (ICC) Project

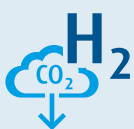
BOC's Teesside Hydrogen CO<sub>2</sub> Capture project has been selected by the UK Government to progress to the next phase of the DESNZ sequence clustering process to deliver low-carbon hydrogen. The project, part of the East Coast Cluster, will help put Teesside on the map for net zero technologies, by adding carbon capture technology to one of the UK's largest hydrogen production facilities.



East Coast Cluster stands ready to remove **almost 50%** of the UK's total industrial cluster CO<sub>2</sub> emissions



BOC's Teesside Hydrogen CO<sub>2</sub> Capture project has the potential to capture **over 200,000 tonnes of CO<sub>2</sub> per year**



BOC's Teesside SMR, **one of the UK's largest hydrogen production facilities**, will be retrofitted with Post Combustion Capture technology designed by Linde Engineering



It will feed captured CO<sub>2</sub> into decarbonising infrastructure developed by the East Coast Cluster, then transported 145 km offshore to the Endurance aquifer, which has the capacity to **store 450 m tonnes of CO<sub>2</sub>**



**Coming on stream in 2027**, the BOC facility will play a key part in supporting the increasing demand for low carbon Hydrogen from the Teesside Chemical Cluster and the North East of England economy

BOC is the UK's largest provider of industrial gases. The company has been safely producing hydrogen for over 100 years and operates six production plants across UK and Ireland including the UK's largest independently owned hydrogen production plant in Teesside, which provides essential gases including hydrogen to regional and national industry.

[Find out more about BOC's 100 year history in Teesside.](#)