



EAST CO₂AST CLUSTER

All-Energy and Decarbonise Conference :
Decarbonising the North East of England at scale
10 May 2023

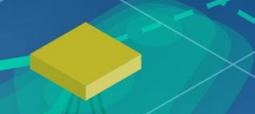
Ben Kek
Deputy Managing Director

<https://eastcoastcluster.co.uk/>



EAST CO₂AST CLUSTER

Unites the Humber & Teesside to remove almost **50% of industry cluster CO₂ emissions** and deliver **25,000 jobs per year to 2050**



Expansion stores

5 stores, up to 10 MTPA by 2030
further potential to 23 MTPA beyond

KEY

Selected for Track 1 Project Negotiation List

Potential ECC expansion projects

PROJECTS IN TEESSIDE

<p>BIOENERGY WITH CCS</p> <p>MGT Teesside Lynemouth Power</p>	<p>HYDROGEN</p> <p>H2 Teesside H2NorthEast</p>
<p>INDUSTRIAL CARBON CAPTURE</p> <p>CF Fertilisers Billingham Ammonia CCS Norsea Carbon Capture Redcar Energy Project Tees Valley Energy Recovery Facility (TV ERF)</p> <p>Teesside Hydrogen CO₂ Capture</p> <p>Lighthouse Green Fuels STV 1+2 Energy from Waste Carbon Capture STV 3 Energy from Waste Carbon Capture Teesside Green Energy Park Limited</p>	<p>POWER</p> <p>Net Zero Teesside Power</p> <p>Whitetail Clean Energy Alfanar CCGT Teesside</p>



PROJECTS IN THE HUMBER

<p>BIOENERGY WITH CCS</p> <p>DRAX Bioenergy with Carbon Capture and Storage</p>	<p>HYDROGEN</p> <p>Hydrogen to Humber (H2H) Saltend Uniper Humber Hub Blue Project</p>
<p>INDUSTRIAL CARBON CAPTURE</p> <p>Humber Zero - Phillips 66 Limited Humber Refinery Prax Lindsey Oil Refinery Carbon Capture ZerCaL250 Altalto Immingham waste to jet fuel North Lincolnshire Green Energy Park Saint-Gobain Glass Carbon Capture</p>	<p>POWER</p> <p>Keadby 3 Carbon Capture Power Station C.GEN Killingholme VPI Humber Zero</p>

- Industrial carbon capture
- Clean power with post combustion capture
- Bioenergy with carbon capture (BECCS)
- Hydrogen
- CO₂ Transportation and Storage (T&S)





- FEED completed, Request for Proposals for EPC contracts in the supply chain for tendering

- FID 2024

- COD 2028

