



ABOUT PEAK CLUSTER



Peak Cluster will capture the carbon dioxide (CO₂) generated during the manufacture of cement and lime, preventing this climate changing gas entering the atmosphere. It will be transported via pipeline for permanent storage beneath the seabed in the Irish Sea, making a substantial contribution to the UK's climate change targets. Cement and lime are essential for building important infrastructure including homes, transport, schools and hospitals, and in water treatment and agriculture.

By capturing CO₂ at source and safely transporting it via pipeline for permanent storage beneath the East Irish seabed, Peak Cluster will:



Secure a reliable source of British-made cement and lime



Safeguard and create more than 13,000 jobs



Cut over 3 million tonnes of CO₂ emissions annually from 2032



Support a sustainable supply of carbon-neutral products



Establish the UK as a global leader in low-carbon cement and lime production

Peak Cluster: the partners explained

Peak Cluster is being developed through a partnership of leading industry and energy organisations, including four major cement and lime producers who will each install carbon capture technology at their sites:

- Holcim (Cauldon cement plant)
- Tarmac (Tunstead cement plant)

- Buxton Lime (Tunstead lime works)
- Breedon (Hope cement plant).

These partners are supported by investment from Summit Energy Evolution Limited, the UK National Wealth Fund and Progressive Energy Ltd through a newly formed joint venture company, Peak Cluster Limited. Spirit Energy is developing the offshore carbon store through the Morecambe Net Zero project.

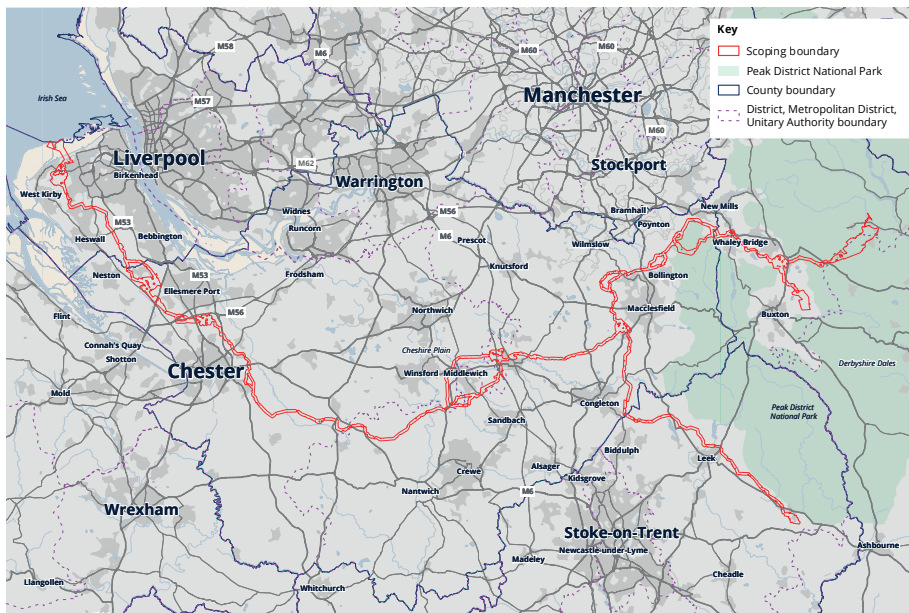
The development stage of Peak Cluster is being funded by the project partners and investors, who will take the project through to Final Investment Decision (FID), if planning consent is granted. At this stage, we'll seek additional investment, which could bring millions of pounds into the UK economy.



The project route at a glance

From the four cement and lime facilities—Holcim’s Caudon plant, Tarmac’s Tunstead plant, Buxton Lime’s Tunstead lime works, and Breedon’s Hope plant—CO₂ will be transported via a proposed new onshore pipeline to the Coastal Above Ground Installation, a compression facility near the north Wirral coast. From there, the CO₂ will be transported to the Morecambe Net Zero offshore storage site beneath the East Irish Sea.

To select the proposed route, we investigated the coastline from North Wales to Cumbria to identify where the onshore pipeline could connect to offshore infrastructure. We then considered the route the pipeline could take from the cement and lime plants to this point. To do this, we looked at constraints including existing built-up areas, topography, ecologically designated sites, scheduled monuments, and listed buildings.

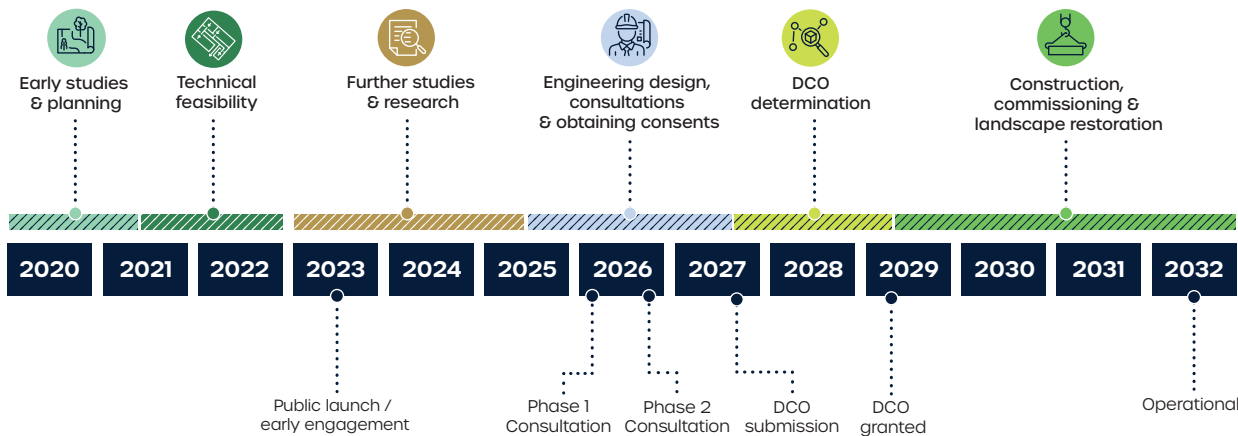


We’ve currently identified a wide corridor (approximately 300m) and additional areas within which Peak Cluster infrastructure would be built (although this would not take up the whole area shown on our maps).

The project timeline

*Please note, this timeline is indicative

We’re at an early stage of the design process and will use feedback from the initial consultation phase, alongside our ongoing environmental and engineering studies, to refine the route and develop more detailed proposals for the next stage of consultation. This will include reducing a majority of the pipeline corridor to 100m and sharing more specific locations for infrastructure.



GET IN TOUCH

If you’d like to talk to a team member about the project, or for us to send you copies of our consultation materials, you can get in touch in the following ways:



Website: www.peakcluster.co.uk



Phone: 0800 0129 167 (freephone)



Email: consultation@peakcluster.co.uk



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