PEAK CLUSTER

SECURING BRITAIN'S CEMENT AND LIME INDUSTRY

Investing in a sustainable future

PROGRESSIVE ENERGY
SPIRIT ENERGY
TARMAC A CRH COMPANY
NATIONAL WEALTH FUND
HOLCIM
BREEDON
BUXTON LIME

INTRODUCING PEAK CLUSTER

Peak Cluster will help to secure the future of Britain's cement and lime industries – safeguarding and creating jobs. This will ensure a sustainable supply of building material for our hospitals, homes and rail, purify our tap water and maintain healthy soil on which to graze animals and grow crops.

Why do we need to do this?

We urgently need sustainable ways to produce the materials we depend on every day.

To tackle climate change, many industries are cutting emissions by switching to renewable energy or low-carbon fuels. However, the cement and lime industry faces a unique challenge: the manufacturing process unavoidably produces carbon dioxide (CO_2). This gas, if released into the atmosphere, is the single largest contributor to climate change - making it essential that we find ways to capture and reduce CO_2 emissions.

CEMENT: THE WORLD'S MOST WIDELY USED BUILDING MATERIAL

Cement is the foundation for our homes and other vital infrastructure across the UK. But the British cement industry is at risk. Did you know:

The amount of cement produced within the UK is at its **lowest level since the 1950s**. This leaves us vulnerable to volatile global supply chains and foreign pricing pressures.

Cement imports have tripled in the last 20 years, meaning that currently, nearly a third of these vital materials bought in Britain are foreign imports.

LIME: FUNDAMENTAL TO EVERYDAY LIFE

Lime is often unseen, but it is used across many key British industries including:

Steel, chemicals, glass and paper manufacturing

Treating water and contaminated land

Food production

PEAK CLUSTER WILL

Safeguard and create jobs, and boost economic growth:

Safeguarding around **2,000 jobs** at the cement and lime operators

Creating an additional **1,500 roles** during construction

Generating around **£1.8 billion** in value for the British economy

With MNZ, attracting around **£5 billion** of investment in the UK

Build on the Peak District's strong industrial heritage

Staffordshire and Derbyshire's cement and lime industry has roots stretching all the way back to Neolithic times, when early communities began using its plentiful limestone supplies for buildings and furniture. The region's current cement and lime industries are now the cornerstone of local communities.

Derbyshire and Staffordshire supply over 40% of Britain's cement

Focused on evolving the industry to thrive into the future, four major cement and lime producers have joined forces through Peak Cluster to build a resilient, low-carbon future – building on the region's rich industrial heritage while strengthening the local economy and supporting businesses, communities, and livelihoods across the region.

"This is such an important project for local jobs in Staffordshire and Derbyshire – protecting its vital industries and retaining the deeply engrained skills that have been passed down through generations.

But our ambitions are to go even further. Peak Cluster will be the world's largest cement and lime decarbonisation project – using this tried and tested technology to establish this region as an international leader in responsible, sustainable manufacturing, and opening up low-carbon ways of constructing our infrasructure, growing crops in fertile soil and keeping clean water flowing."

John Egan
CEO - Peak Cluster Ltd

"I've recently finished my mechanical apprenticeship at Breedon, where I got hands-on experience and learned a lot from the team around me. Working alongside people who've been in their roles for years has helped me build the skills and confidence I need to succeed.
I'm really proud of what I've achieved so far, and I'm now thinking about taking the next step with a degree apprenticeship to continue learning and developing my career."

Charlie Craven
Mechanical Technician, Breedon

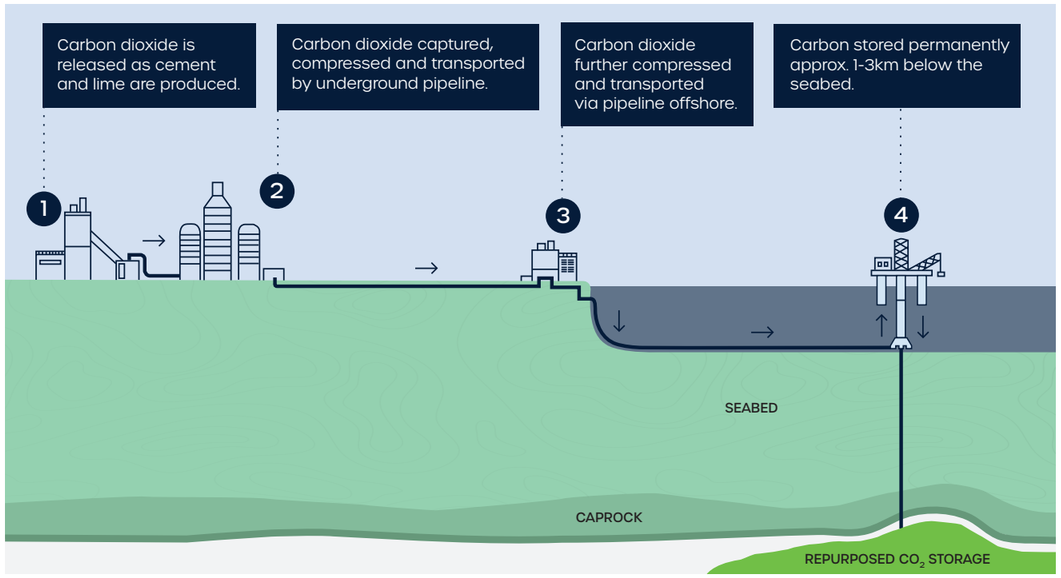
"Buxton Lime has been operating here for over a century, and while we've grown to a much bigger team, it still feels like one big family. Many of our people come from the local area, with skills and experience often passed down through generations – something we're really proud of. At the same time, the lime we produce here in Buxton plays a vital role far beyond our community – supporting industries across the UK and around the world, from water treatment and construction to environmental and industrial processes."

Joseph Bowers
SHEQ Manager, Buxton Lime

ABOUT THE PROJECT

How it works

Carbon Capture and Storage (CCS) technology will capture CO_2 emissions from cement and lime production at plants in Derbyshire and Staffordshire. The captured CO_2 will then be transported via a secure underground pipeline to a permanent storage site deep beneath the East Irish Sea, under rock formations (known as caprock), that act as a natural seal and trap the captured CO_2. The stores have held natural gas for millions of years.



The world is making the transition to a low-carbon future, which is vital to protect our climate and help us achieve net zero. This includes the construction industry, which is increasingly moving towards sustainable building methods and materials.

"If we want to protect UK industry and compete on the world stage, we must embrace Carbon Capture and Storage (CCS), which is a tried and tested technology.

"Doing so will provide a long-term, viable supply of domestic cement – reducing Britain's reliance on imported building materials, enabling market stability and supporting the delivery of the homes, healthcare and transport that communities across the country need."

Lee Sleight
CEO, Holcim UK

PIPELINE ROUTE

Our illustrative map gives an indicative idea of the search area where the pipeline could potentially be located, based on our current assessments. This takes into account built up areas, other infrastructure, and environmentally sensitive areas.

We are now beginning to carry out detailed studies which will help us to determine a more specific route within this search area.

GET INVOLVED

How we will engage with communities

We understand how important the cement and lime industry is to the region, and also how much the local environment means to the communities living in and around it.

Gaining input from a wide range of stakeholders is critically important and will help us develop a project that is able to anticipate, understand and address potential local impacts.

Throughout the project, we will work closely with communities and organisations to develop an approach that minimises disruption and impact, and ensures work is delivered safely and efficiently.

We will listen closely to those who are interested or may be affected by Peak Cluster to hear their thoughts, views and suggestions and let you know how your feedback has shaped our thinking.

Website: www.peakcluster.co.uk

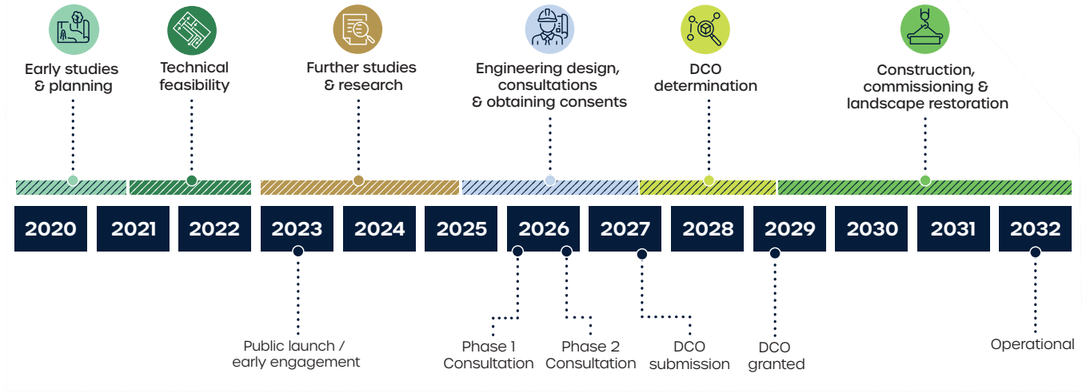
Phone: 0800 0129 167 (free phone number)

Email: consultation@peakcluster.co.uk

Freepost: FREEPOST PEAK CLUSTER

PROJECT TIMELINE

What is the project schedule?



FIND OUT MORE

The Peak Cluster project website
https://peakcluster.co.uk/

Understanding carbon capture and storage
https://www.bgs.ac.uk/discovering-geology/climate-change/carbon-capture-and-storage/

Learning more about the cement industry
https://www.mineralproducts.org/Mineral-Products/Cement.aspx

Learning more about the lime industry
www.mpalime.org

Learning more about the Morecambe Net Zero (MNZ) project
www.spirit-energy.com/our-operations/mnz