



SECURING A SUSTAINABLE FUTURE

WHY PEAK CLUSTER?

Cement and lime are the foundations of our day-to-day lives.

Cement is the backbone of concrete - the world's most widely used man-made material.

Lime, though less visible, is essential to everything from growing food to cleaning our air and water.

Ensuring the UK can continue to produce these essential materials in a low-carbon future is vital for our resilience and economy.

40% of the UK's cement and lime is produced in Derbyshire and Staffordshire. However, significant

amounts of carbon dioxide (CO₂) are released into the atmosphere as the products are made.

Peak Cluster is the world's largest cement decarbonisation project. It will help to secure a 'British-made' supply of sustainable cement and lime - critical for building homes, infrastructure, and ensuring safe drinking water and food production.

Cement production drives 7.5% of global CO₂ emissions. Peak Cluster will stop over 3 million tonnes from entering the atmosphere annually.

Together with storage partner project Morecambe Net Zero (MNZ), Peak Cluster will, protect and create thousands of jobs and produce sought-after, low-carbon cement for use in the UK and for global export.



Brevik CCS plant, Heidelberg Materials

WHAT IS PEAK CLUSTER?

Peak Cluster is a collaboration of industry leaders, transforming Britain's cement and lime production.

As cement and lime is produced, carbon dioxide (CO₂), a greenhouse gas, is released.

The infrastructure we develop will capture, transport and store CO₂.

The CO₂ will be captured in purpose-built facilities at the cement and lime plants. It will then be transported through an underground pipeline to the coast to be permanently stored in the East Irish sea by Morecambe Net Zero (MNZ) deep under the seabed.

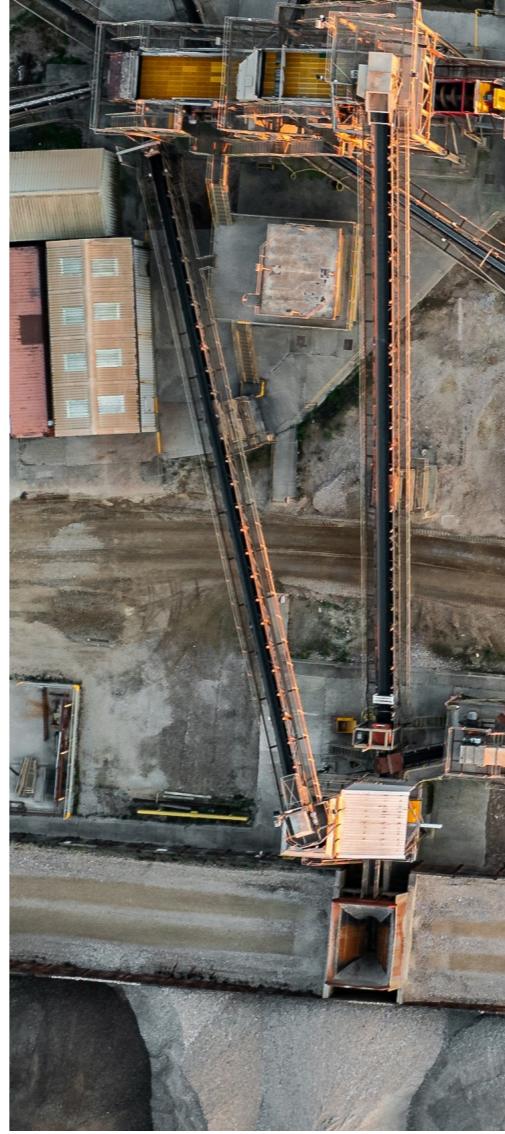
MNZ | Peak Cluster will:

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

 Produce **British-made** cement & lime

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

 Secure **£5 billion** in investment



WORKING TOGETHER



John Egan

Peak Cluster's CEO

"We know that the best outcomes for everyone come from working together - with industry, local authorities, communities, public and private organisations, and ourselves.

"Local people know their area best. We've spoken to many groups and organisations over the last few years and will continue to do so as we develop our plans.

"Early in 2026, the Peak Cluster team will be running a series of events - both in-person and online - to meet with you, chat through ideas and answer any questions you may have.

"We will advertise the events on social media, in local press and by writing to those involved.

"You can sign up to receive future editions of this newsletter on our website: www.peakcluster.co.uk"

“Peak Cluster, in the East Midlands, is doing globally significant work in the vanguard of Britain's net zero transition”

- Claire Ward, Mayor of the East Midlands



SPOTLIGHT: BUXTON LIME



Did you know?
From toothpaste to steel, sugar and phone screens, lime is in products you use every day!

Buxton Lime's Tunstead plant, sitting on the outskirts of Buxton, has been the UK's leading producer of lime for over 100 years.

Lime is an essential but often unseen material, underpinning much of what we rely on every single day.

From growing crops and grazing animals to cleaning our air and water. From electricity generation to the production of essential materials like steel, glass, plastics and paper, lime plays a vital role in everything we do.

'HOME-MADE' CEMENT

Cement is the main ingredient in concrete, the world's second most widely used material after water. It is, quite literally, the foundation of our day-to-day lives.

However, the British cement industry is at risk.

Cement production in the UK is at its lowest level since the 1950s. Relying on imported cement leaves us vulnerable to overseas price hikes and supply levels.

The amount of cement we import has trebled in the last 20 years, meaning that currently, nearly a third of the material used in Britain is shipped from overseas.

Peak Cluster will provide a long-term, viable supply of cement made in Britain. This will increase our self-sufficiency and enable us to build the homes, healthcare, energy production and transport infrastructure we rely on every day.

Competing on the world stage

The global economy is making the transition to a low-carbon future, and this includes the construction industry, which is increasingly moving towards sustainable building methods and materials.

However, the chemical process of creating cement and lime causes unavoidable carbon emissions. This means that electrifying more of the process or using alternative fuels to operate processing plants will not fully decarbonise the industry. To reduce this impact and secure the future of cement and lime manufacturing, businesses around the world are beginning to implement carbon capture technology – a proven, safe way to capture carbon dioxide at the source and transfer it to permanent stores underground or under the sea.

For the British cement industry to survive and compete on the world stage, it is crucial that businesses embrace this technology.

Peak Cluster brings together cement and lime leaders who collectively recognise the importance and urgency of building a sustainable industry.

For the first time, these organisations are collaborating to deliver the world's largest cement decarbonisation project and establish Britain as a global leader.



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