

THE ABOVE GROUND INFRASTRUCTURE THAT WOULD BE BUILT

THE COASTAL ABOVE GROUND INSTALLATION (AGI)

The Coastal AGI, planned to be located close to the Wirral North Shore, would compress the carbon dioxide (CO₂) before it is transported to the Morecambe Net Zero store beneath the East Irish Sea. It would also monitor and meter the flow to ensure safe and efficient operation.

The location and design of the Coastal AGI is still being developed and we're undertaking further engineering and environmental studies to refine this. We'll share more detail on the Coastal AGI in the phase 2 consultation later this year.

It would occupy a site of up to 300m by 180m and include a range of buildings and equipment, with most structures no higher than 15m (around 4-5 storeys). The site would also include pipework, control systems, lighting, access roads and parking, and landscaped areas to integrate it into the surroundings.

There would also be a vent stack up to 50m tall and 1m wide, which would be used to safely remove CO₂ from equipment prior to maintenance or replacement; or to release CO₂ in case of an emergency (although the need to do this is not expected). The Coastal AGI would not emit CO₂ continuously and would not be used to vent the entire pipeline. Any CO₂ vented from the stack would be entirely safe for humans and the environment.

The site would operate continuously supported by a permanent operations and security team, with other visiting for periodic maintenance visits. Noise levels are expected to be controlled and consistent, primarily associated with mechanical equipment such as compressors, and managed in line with regulatory standards.

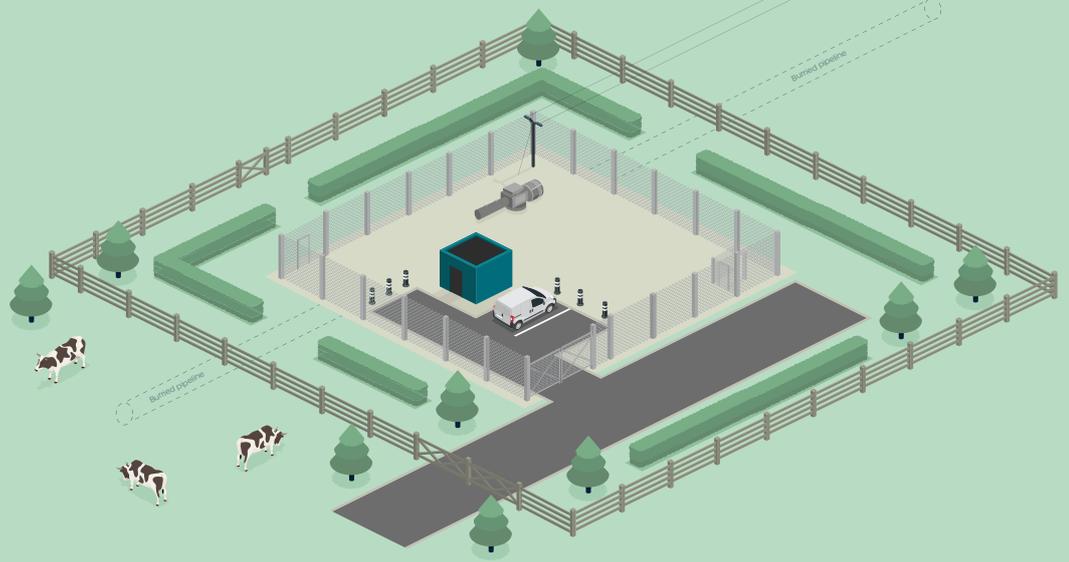
The Coastal AGI could be located in one of two areas: the landfall zone or inland zone. It would take up to 4% of the inland zone, or up to 10% of the landfall zone. The location would be influenced by the amount of compression required, which is still undergoing engineering development at this early stage of the project.

Indicative illustration



Block valve stations (BVS)

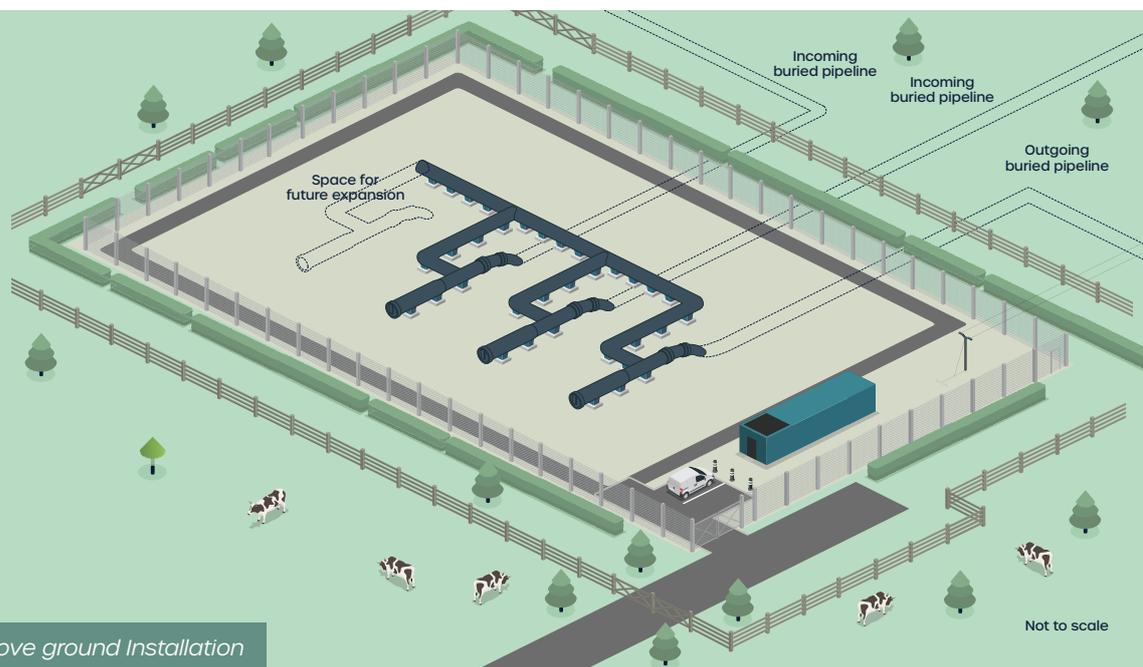
BVS are smaller above-ground installations placed at intervals along the pipeline route which enable us to isolate specific pipeline sections to ensure safety when carrying out maintenance or to prevent danger in the unlikely event of an emergency. A typical BVS footprint is around 50m x 50m—and includes low-level pipework, valves, and a small single-storey control kiosk.



Indicative illustration of a block valve station

Connection or feeder above ground installations (AGIs)

Located along the pipeline route, there would be other AGIs to ensure that the system can run efficiently and safely. They enable us to carry out regular checks on the pipeline and maintenance if required.



Indicative illustration of an above ground Installation

BVS and connection or feeder AGIs would be remotely operated and wouldn't be permanently manned. This means there would be minimal impact of traffic and no site lighting required during normal operations.

These facilities house only pipework and minor electrical equipment, so there would not be any significant noise during normal operation.

To reduce visual impact we'd include landscaping and screening at these sites.

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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