

V Net Zero Pipeline

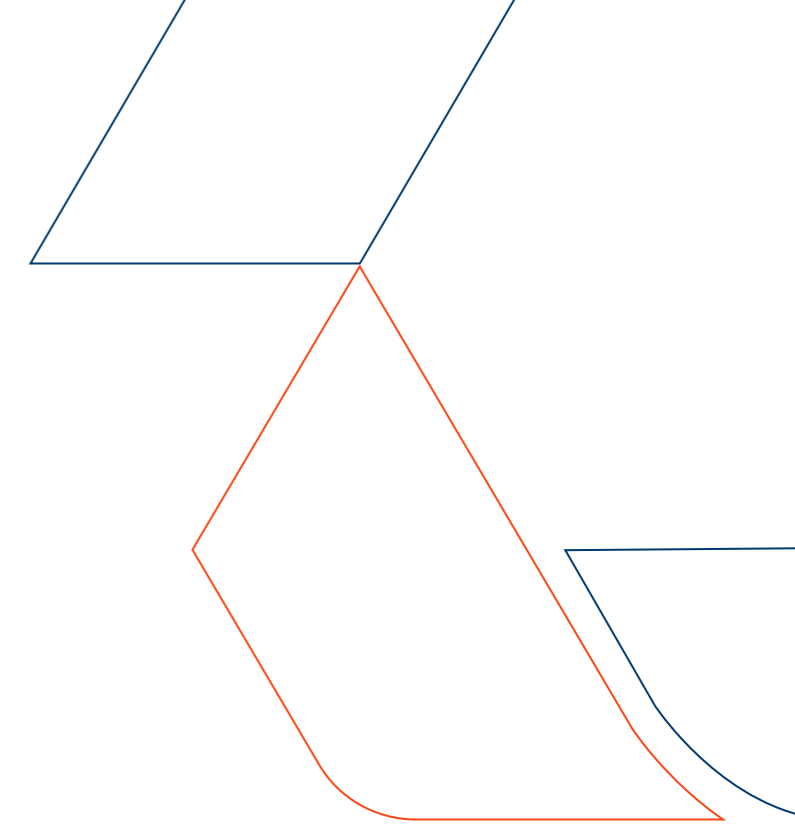
Non-statutory
public consultation



Have your say

26 April – 7 June 2022

vnz 
CO₂ Transport & Storage



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Foreword

Thank you for taking the time to read more about our proposals for the V Net Zero pipeline. At Harbour Energy, we believe these plans will put the Humber and Lincolnshire region at the forefront of carbon capture and storage (CCS); a technology that is recognised as one of the key ways the UK can achieve its target of Net Zero carbon emissions by 2050.

The Humber and Greater Lincolnshire area is the largest carbon-emitting region in the UK, through both industrial and power generation, so it's essential we look to decarbonise industries already operating here.

As we move towards a low-carbon economy, we must make this transition in a way that retains and promotes jobs and prosperity in the Humber region. The V Net Zero pipeline, which is part of the wider V Net Zero CO₂ Transport and Storage project, will support this.

The 53km underground pipeline, running from Immingham to the former Theddlethorpe Gas Terminal (TGT) to the south, will transport 11 million tonnes of carbon a year by 2030. That's equivalent to removing almost 20 per cent of the emissions from the UK's cars each year.

We're currently developing our proposals for the V Net Zero pipeline. Early next year, we plan to submit an application for a Development Consent Order (DCO). Before then, we are consulting local communities about the project.

It's important to us that local people feel they can help shape the proposals for the V Net Zero pipeline. Here, you can learn more about the project and how to tell us what you think. Given the scale of this project and the opportunity it represents for the Humber region, I hope to hear from as many local people as possible.

G. Davies

Graeme Davies CEng FIMechE
Project Director – VNZ CO₂ Transport & Storage

How to respond

This initial phase of consultation for the V Net Zero pipeline will run between **Tuesday 26 April and Tuesday 7 June 2022**.

Feedback

Feedback received during the consultation period will help inform the detailed design of the proposals and form part of a post-consultation report. This report will detail what feedback we have received, and how we will consider it as part of our plans for the V Net Zero pipeline.

During the consultation period, you can provide your feedback in a number of ways. These include:



Online survey at
www.vnetzeropipeline.co.uk



Email at
vnetzeropipeline@aecom.com



Phone on **07917986094**



By mail at
**Freepost VNZ PIPELINE
CONSULTATION**



The Virtual Consultation Room, which will be live between 26 April and 7 June 2022.

Virtual Consultation Room

We also have a Virtual Consultation Room (VCR). This is an online exhibition that aims to complement our in-person events and provide more information about the scheme by using exhibition boards and maps of the proposed route.

You will be able to provide your feedback there. The VCR will be open 24 hours a day, seven days a week, throughout the consultation period.

You can access the VCR through our project website
www.vnetzeropipeline.co.uk/consultation

About the V Net Zero pipeline

The V Net Zero pipeline will take captured carbon from the Immingham industrial area, and transport it for 53km to the site of the former Theddlethorpe Gas Terminal (TGT).

From there, the carbon dioxide will enter a former gas import pipeline, before being injected into two existing depleted gas reservoirs, 9,000 feet deep and 120km off the coast in the North Sea. This process is called 'carbon capture and storage', and is one of the ten proposed ways the UK will achieve its target of Net Zero carbon emissions by 2050.

Harbour Energy has an extensive record of safety management in the oil and gas industry, including in the development and operation of over 38 gas fields, and the Theddlethorpe Gas Terminal in Lincolnshire, over the past five decades.

Net Zero

Net Zero means that the amount of carbon dioxide we emit into the atmosphere is no greater than the amount of carbon dioxide we take away from the atmosphere.

The UK government has a target of achieving Net Zero by 2050. To meet this target, we need to move towards cleaner sources of energy, while decarbonising existing infrastructure. This is where carbon capture and storage technology is set to play a crucial role.

Carbon capture and storage

Carbon capture and storage is the process by which carbon dioxide can be prevented from reaching the atmosphere, and is then transported to underground storage that locks emissions safely in bedrock under the sea. In the UK, all prospective carbon storage sites are located offshore, with a large storage potential in the North Sea.

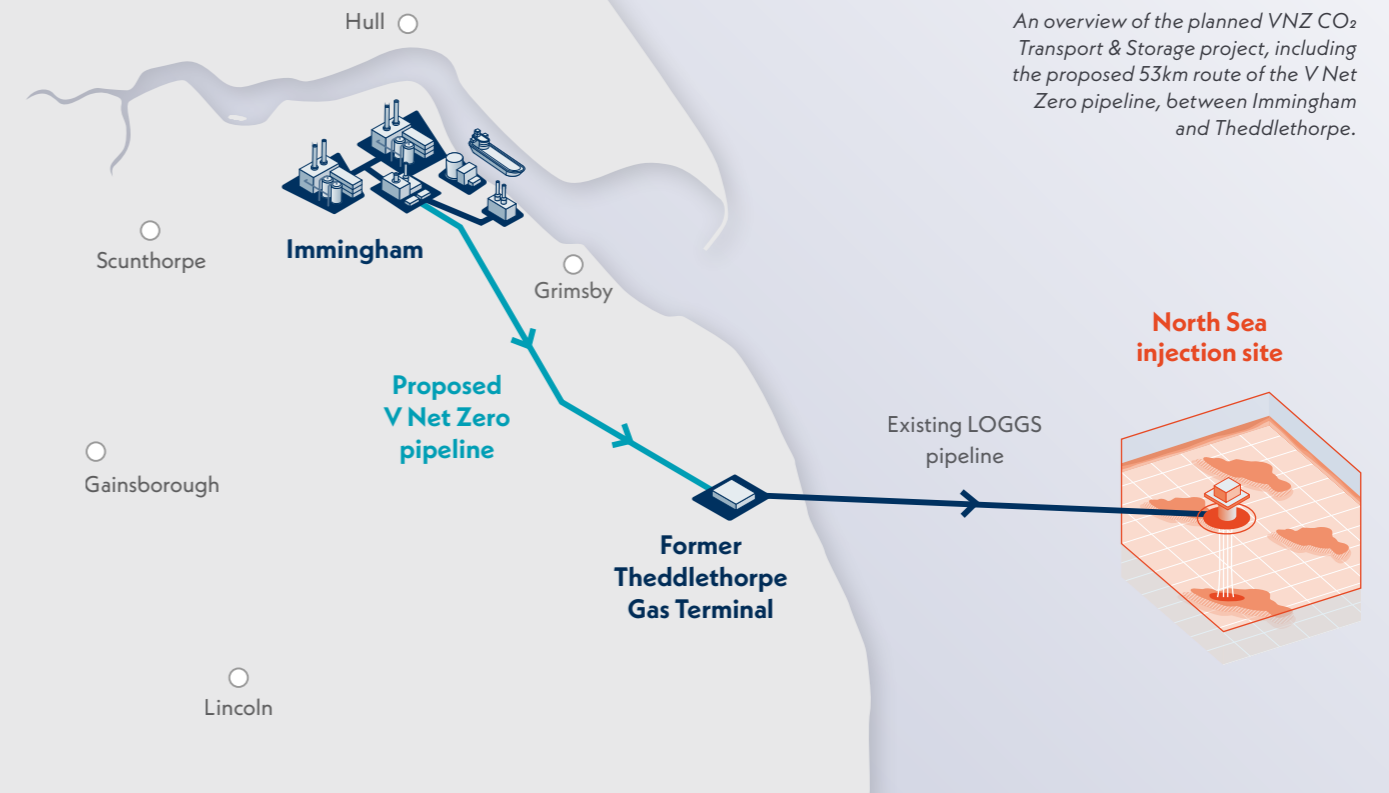
Carbon capture and storage is recognised by the Intergovernmental Panel on Climate Change (the IPCC) and the UK government as a vital step on the road to achieving Net Zero carbon emissions. The UK Government has set out plans as part of the 6th Carbon Budget to capture and store between 20 and 30 million tonnes of carbon dioxide a year by 2030.

How will the V Net Zero pipeline open the door to a low-carbon future?

Over 70 per cent of the existing Humber industrial and power emissions are located on the Lincolnshire side of the Humber estuary. Decarbonising these industries is needed not only to meet the UK's Net Zero goals, but also to preserve skilled jobs in the region.

The V Net Zero pipeline plans to install a carbon transport pipeline to link the centre of industry in the Humber-Lincolnshire area with high-quality offshore storage sites in the southern North Sea. This project will encourage future low-carbon investment in the Lincolnshire and Humber region, preserving existing jobs in the industrial and power sectors.

The former Theddlethorpe Gas Terminal hosts a number of Harbour Energy assets that we want to re-use for transporting carbon offshore (including the LOGGS pipeline) – minimising the environmental disturbance of building a new offshore pipeline.



Benefits of the scheme



Opportunities for the Humber

The project will provide high-quality jobs and skills training, while promoting low-carbon, technology-led investment in the region for the long term.



Tackling climate change

By 2030, the V Net Zero project and our partners in the Immingham Industrial Cluster plan to capture, transport and store 11 million tonnes of carbon dioxide a year. This would be equivalent to removing almost 20 per cent of the emissions from the UK's cars each year.



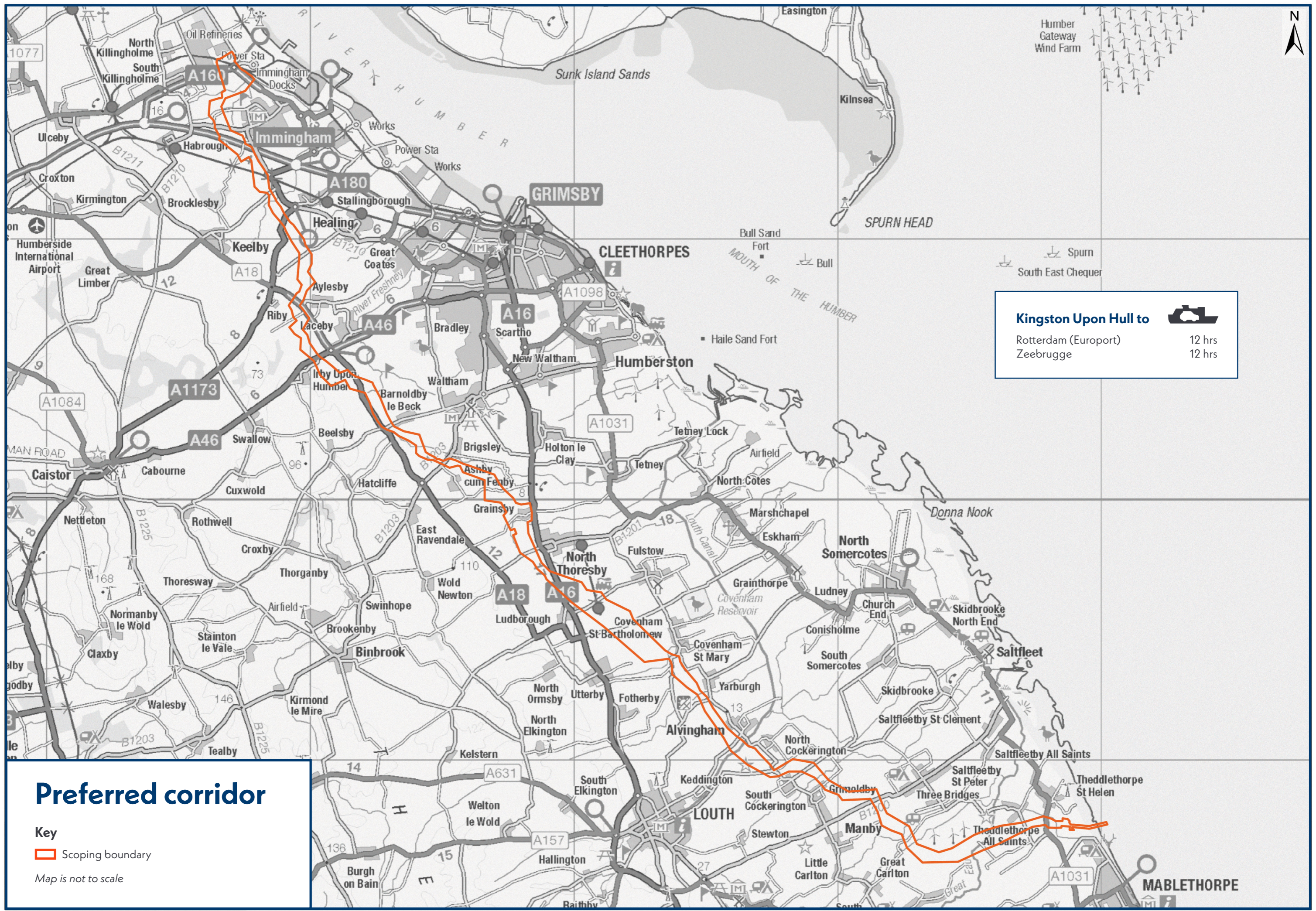
Safeguarding industry

This investment will remove carbon emissions from existing industry in the Humber region and enable a longer-term sustainable energy transition; thus, safeguarding existing jobs.



Boosting biodiversity

We're proposing to achieve a 10 per cent net increase in local biodiversity as part of the project.



Kingston Upon Hull to	
Rotterdam (Europort)	12 hrs
Zeebrugge	12 hrs

Preferred corridor

Key

-  Scoping boundary

Map is not to scale

Your views are important

The 'corridor' we are seeking your views on refers to the widest possible area we could lay the pipeline within.

We need to revise this corridor to a much narrower route. However, we want to do this after asking the views of the local community. We also need to talk to landowners who might be affected, and carry out wide-ranging surveys to look at aspects such as local wildlife. We want this corridor to strike a balance between the competing factors we must consider.

We will construct the pipeline within this corridor, which varies in width. In most places, we will need only a 30m working width to lay the underground pipeline. As the project develops, and we come

back to communities for further consultation, we hope to have defined a narrower route that will represent more closely where we expect the pipe to run.

The consultation period for the V Net Zero pipeline will run between **Tuesday 26 April and Tuesday 7 June 2022**. Throughout this time, there will be a number of ways for you to provide your views on our plans for the V Net Zero pipeline. These are outlined on page 13.

How has this route developed?

We have been working to develop the best possible route for the pipeline for over a year. As part of this, we undertook detailed assessments on five possible options.

We have considered several important factors in trying to decide on a corridor to construct the pipeline within. These are:



The safety of local communities



Built-up areas or sensitive buildings such as schools



Areas protected for their habitats and species



The Lincolnshire Wolds Area of Outstanding Natural Beauty (AONB)



Areas that are vulnerable to flooding



Historic monuments

Construction of an underground pipeline.



How is planning permission granted?

What is a Development Consent Order and why is it needed?

To build a Nationally Significant Infrastructure Project (NSIP), a Development Consent Order (DCO) is required. To gain a DCO, a planning application is made under the Planning Act 2008.

NSIPs are infrastructure developments of national importance in England and Wales. These include projects such as major roads, power plants, large renewable energy projects and airport extensions.

A DCO application is made to the Planning Inspectorate. They will consider the application and make a recommendation to the Secretary

of State for Business, Energy & Industrial Strategy (BEIS), who will ultimately decide whether development consent should be granted for the scheme.

Construction of the pipeline

Duration of construction

- We expect the construction phase to last up to two years. However, some aspects of construction will be relatively quick. The main activities will include earthworks and moving materials by lorry, cutting the trench and covering it, and landscaping.
- We will develop a detailed programme that will aim to limit the amount of time specific locations are affected by construction.
- We will let residents know well in advance the details of the construction works planned, to help minimise disruption and to allow communities to plan for any disruption we cannot avoid.



The construction phase is expected to last up to two years



The scheme will safeguard industrial jobs in the region.



The proposed V Net Zero pipeline will be buried underground, as shown in this image.

Construction management

Due to the nature of the construction work needed, some disruption is inevitable.

We will maintain best practice on site and through overall management of the project as per the Construction Environmental Management Plan (CEMP). This ensures that all the way through the construction period, we carefully control activities that could cause dust, noise and vibration, and manage any impacts.

Consultation feedback and next steps

Providing your views

To provide your feedback on the scheme, you can fill in the feedback form, available online at www.vnetzeropipeline.co.uk.

If you are unable to visit one of our public consultation events, you can visit our website at www.vnetzeropipeline.co.uk/consultation, and access our Virtual Consultation Room, which is open 24-hours a day, seven days a week, throughout the consultation period.

Alternatively, you can contact our project team by:



Email at vnetzeropipeline@acem.com



By mail at
Freepost VNZ PIPELINE CONSULTATION



Phone on
07917986094

What happens after consultation?

We will gather and analyse all feedback from the public consultation and use it to inform our proposals where possible.

We will produce a post-consultation report, which will highlight how feedback we receive has helped shape our plans for the V Net Zero pipeline.

Thank you for taking the time to examine our proposals for the V Net Zero pipeline. We look forward to working with local stakeholders as the project continues to take shape in the months ahead.

V Net Zero pipeline project timeline





Online survey at
www.vnetzeropipeline.co.uk



Email at
vnetzeropipeline@aecom.com



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By mail at
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