# CARBON DIOXIDE TRANSPORTATION & STORAGE SYSTEM NEWSLETTER

liverpool bay ccs

Liverpool Bay CCS Limited (LBCCS) is leading the development of a carbon dioxide transportation and storage system to decarbonise the north west of England and north Wales. As part of one of the UK's leading industrial decarbonisation projects, we are unlocking a low carbon future by reducing carbon dioxide emissions from industry and supporting economic growth in the region.

## Welcome to our September 2026 edition of our bi-monthly newsletter

This month, we share **an update on the community information events for the Main Onshore Pipeline, progress on the construction of the 20-inch main onshore pipeline,** and **the award of the Mechanical East works contract for Point of Ayr (PoA) to Welsh-based firm Ledwood Mechanical Engineering.**

In this issue's **Jargon Buster**, we take a closer look at **hydrotesting and pigging; two important parts of the Main Onshore Pipeline's testing and pre-commissioning programme.**

You can also learn more about **LBCCS's work experience programme, which provides students with a practical introduction to Carbon Capture and Storage (CCS) and its role in supporting the UK's transition to a low-carbon future.** In addition, we share details of **LBCCS's newly launched Community Benefit fund, which will deliver long-term investment in the communities that host the Liverpool Bay Carbon Dioxide Transport and Storage Project.**

As part of our **regular meet-the-team piece, we meet Conor Bray,** our **Director at United Infrastructure (UI).** Ity learn more on his role on the project.

## Main Onshore Pipeline - Community Information Events

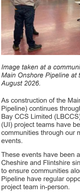


*Image taken at a community information event about the Main Onshore Pipeline at the Northop Hall Pavilion on 19 August 2026.*

As construction of the Main Onshore Pipeline (the Pipeline) continues through the summer, the Liverpool Bay CCS Limited (LBCCS) and United Infrastructure (UI) project teams have been busy meeting with local communities through our monthly community information events.

These events have been alternating between sites in Cheshire and Flintshire since September 2025 and aim to ensure communities along the 36-inch route of the Pipeline have regular opportunities to speak with the project team in-person.

In August, the project team hosted an event at the Northop Hall Pavilion in Flintshire, where residents, landowners and parish council representatives were able to find out more about the ongoing and upcoming construction activity in their areas.

The programme continued in September with an event at the Saughall Scout Hutin Cheshire, where attendees had the opportunity to discuss construction progress and ask the project team questions about the next planned works.

Look out for details of our October community information event, which will be available shortly on the hynethub.co.uk homepage. Future event dates beyond October will also be published on the website's homepage in advance.

## Supporting Future Talent Through Our Summer Work Experience Programme

This summer, LBCCS welcomed a cohort of students from regional North West based Universities as part of a two-week work experience programme designed to provide a practical introduction to Carbon Capture and Storage (CCS) and its role in supporting the UK's transition to a low-carbon future.

Throughout the programme, students explored the full CCS value chain, gaining an understanding of how CO2 is captured, transported, and safely stored. Using the Liverpool Bay Transportation and Storage Project as a real-world example, students developed insight into delivering large-scale infrastructure projects.

Working collaboratively, the students were tasked with developing a CCS focussed case study that encouraged them to think critically about the challenges and opportunities associated with future CCS deployment, while developing professional skills in research, analysis, and presentation.

At the end of the placement, students presented their findings and recommendations to members of the LBCCS project team, demonstrating the knowledge and skills they had developed.

Reflecting on the first week of the programme, placement student, Elias, shared:

*"The first week has been a really positive experience and I've learned a lot already. It's been great getting an insight into how a large-scale CCS project develops from both the technical and commercial sides. Throughout the week I've had the opportunity to learn about more areas including CO2 transport, subsurface geology and monitoring, project management, and regulatory permitting. I've particularly enjoyed being able to speak directly with people working across different areas of the project and understanding how all of these disciplines come together. It's also been really useful seeing how some of the concepts I study in Chemical Engineering are applied to a real project, and the experience has definitely given me a better understanding of the CCS industry."*

The summer work experience programme forms part of LBCCS's commitment to supporting skill development and inspiring the next generation of engineers, scientists and project professionals who will play a key role in delivering the UK's low carbon and net zero ambitions.

## Construction of the 20-inch Main Onshore Pipeline is now underway




*Map of the 20-inch section of the Main Onshore Pipeline*

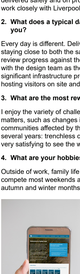
Construction of the 20-inch section of the Main Onshore Pipeline (the Pipeline) between the Ince Above Ground Installation (AGI) and Stanlow AGI commenced in September 2026. This section of the Pipeline will connect industrial emitters in the Ince area to the Liverpool Bay CO2 Transportation and Storage Project.

These works follow a linear process (as seen along the 36-inch section of the Pipeline) to keep the works safe, efficient and environmentally responsible.

Along the route, residents are likely to see the United Infrastructure team:

- Marking the working area with temporary fencing
- Creating safe access routes by clearing tress, vegetation and hedgerows
- Managing water flow with temporary drainage to prevent flooding
- Preparing the ground by removing the topsoil and laying temporary matting for construction vehicles
- Delivering and preparing sections of the Pipeline, which will be welded together and coated for protection before installation
- Excavating a trench and installing the Pipeline before commencing restoration activities

Further updates on the construction progress of the 20-inch and 36-inch Pipeline will be added to the Latest News section of hynethub.co.uk



## Point of Ayr: Ledwood announced as Mechanical East works contractor

Welsh-based firm Ledwood Mechanical Engineering has been awarded the Mechanical East works contract for the Point of Ayr (PoA) Terminal by Saipem, the main contractor for the PoA Decommissioning and Preparation Works. Ledwood will support this works package, which will enable the site to receive, and process captured carbon dioxide (CO2) that will then be safely stored in depleted gas reservoirs beneath Liverpool Bay.

During the 18-month contract period, Ledwood expects to mobilise approximately 120 site-based personnel at its peak, including welders, pipe fitters and riggers, supported by supervision and management teams.

A significant proportion of the workforce is expected to bring experience from the oil and gas and power generation sectors. The contract, awarded by Saipem which is the primary contractor delivering the PoA workscope, will provide an opportunity to retain valuable engineering and construction expertise while enabling skilled workers to transfer their capabilities into the developing carbon capture sector.

Ledwood also intends to involve a number of apprentices on the project, giving them valuable practical experience alongside experienced industry professionals and exposure to a world-leading carbon capture project. This will help ensure the future workforce can carry forward the skills and knowledge to support the net zero transition.

Nick Revell, Managing Director of Ledwood, said: *"For Ledwood, this award is therefore about more than the delivery of an individual mechanical package. It provides employment continuity, skills retention, workforce development and a route for experienced personnel and apprentices alike to participate directly in the UK's transition towards a lower-carbon industrial future".*

The PoA Terminal will play a key part in the wider Liverpool Bay $CO_2$ Transportation and Storage project being developed by Liverpool Bay CCS Limited (LBCCS). The project will help to support thousands of new construction jobs in north Wales and the north west of England, secure the long-term future of new and existing jobs during its operational phase, tap into the area's blend of industrial experience and scientific expertise, and create a hotspot for innovation and growth.

Decommissioning and site preparation works at the PoA Terminal and Colleiry area began in September 2025. Following commissioning works and final checks, the plant is expected to be ready to commence operations in 2028, subject to project progress.

If you have any questions, or would like to know more about the project you can visit our website at: https://hynethub.co.uk/poa or contact us via email at hello@hynethub.co.uk

## Liverpool Bay CCS Limited launches its Community Benefit Fund



*L-R: Alex Bradley, Project Direct HyNet for DESNZ; Stefano Rovelli, MD for LBCCS; Dennis Massey, Board Member for LBCCS; Mariekje Giusto, CEO for Eni CCUS Holding; Katy Hales from Community Foundation Wales, Carys Percival, Sustainability and Communications Manager for LBCCS; Mel Sproston for Cheshire Community Foundation and Federico Cecchetti, Head of External Relations for Eni CCUS Holding.*

Liverpool Bay CCS launched its Community Benefit Fund at a ceremony held at the DangerPoint lifeskills centre in North Wales.

On Wednesday 9 September 2026, Liverpool Bay CCS Limited (LBCCS) announced its Community Benefit Fund, which will deliver long-term investment in the communities that host the Liverpool Bay Carbon Dioxide Transport and Storage Project.

**About the Community Benefit Fund**

As the LBCCS Project crosses both Flintshire County Council (FCC) and Chester West and Chester Council (CWCC), available funding will be distributed equally between the two regions throughout the Project's 25-year lifecycle.

**Funding available**

Grants of up to £20,000 will support projects that:

- Strengthen community resilience.
- Improve access to learning and skills development opportunities.
- Enhance and protect local natural environments.
- Celebrate the unique heritage and identity of community across the region.

The LBCCS Community Benefit Fund will be managed by two Fund Management Organisations:

- The Cheshire Community Foundation will administer the funding for communities in the CWCC area.
- The Community Foundation Wales will administer the funding for communities in the FCC area.

**How to apply**

**Applications for funding are considered by the Fund Management Organisations depending on the project's location:**

- For funding in Cheshire please visit: Cheshire Community Foundation
- For funding in Flintshire please visit: Community Foundation Wales

Applications for the first round of funding will be open from **9 September 2026 to 2 November 2026**, with funding decisions expected in **early 2027.**

## Jargon busters: Hydrotesting and Pigging

As part of September's Jargon Busters feature, we're taking a closer look at hydrotesting and pigging; two important parts of the Pipeline's testing and pre-commissioning programme.

**What is hydrotesting?**

Hydrotesting, also known as hydrostatic testing, is a standard industry process used to check the strength and integrity of newly constructed pipelines.

During this process, sections of the Pipeline are filled with water and tested at around one and a half times its normal operating pressure. This helps demonstrate it can safely withstand pressures greater than those it will experience during its operational phase.

**What is pigging?**

Once a section of Pipeline has successfully completed hydrotesting, it will undergo a process known as pigging.

Pigging involves passing a Pipeline Inspection Gauge (PIG) through the Pipeline. The PIG helps remove any water remaining from hydrotesting and clears any debris that may have accumulated.

**What happens next?**

After hydrotesting and pigging have been successfully completed, the Pipeline will undergo further checks and inspections as part of the pre-commissioning process. These steps help ensure the Pipeline is safe ahead of its operation.



## Meet the team... Conor Bray

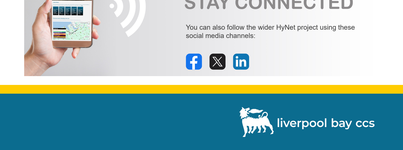


*Image of Conor Bray, Director at United Infrastructure*

**In each edition of our newsletter, we introduce you to members of the team working on different aspects of the Liverpool Bay $CO_2$ Transport and Storage Project. This month, we're pleased to feature Conor Bray, who is a Director at United Infrastructure (UI), the Principal Contractor working on the Main Onshore Pipeline.**

**1. Please tell us about your role on the Liverpool Bay CO2 Transport and Storage Project**

I am the Director responsible for the overall delivery of the Main Onshore Pipeline for United Infrastructure (UI). I have been involved in the Liverpool Bay $CO_2$ Transport and Storage Project from the initial tender stage, through the final investment decision, and now into delivery. My role is to ensure our design remains compliant, our operations are delivered safely and on programme, and that we minimise disruption to the local community wherever possible. I also work closely with Liverpool Bay CCS Limited (LBCCS) to help ensure the project leaves a positive legacy in the area.

**2. What does a typical day of working on the Liverpool Bay CO2 Transport and Storage Project look like for you?**

Every day is different. Delivering new CCS pipeline infrastructure brings new challenges, so a typical day involves staying close to both the safety and operational teams. I regularly check that activities are being delivered safely, review progress against the programme, and support the team in resolving any issues that arise. I also work closely with the design team as they progress the thousands of documents required to deliver the project. As this is a nationally significant infrastructure project, there is substantial interest from both the UK and overseas, so I also spend time hosting visitors on site and showcasing the excellent work being delivered by the team.

**3. What are the most rewarding and challenging aspects of your role?**

I enjoy the variety of challenges the role brings, rather than seeing them as obstacles. These can range from technical matters, such as changes in trenchless design or difficult ground conditions, through to working with customers and communities affected by the project. The most rewarding aspect is seeing the progress on site after being involved for several years: trenchless crossings being completed, pipeline installation progressing, and testing taking place. It is very satisfying to see the work move from planning and design into visible delivery.

**4. What are your hobbies and interests outside of work?**

Outside of work, family life keeps me very busy. I have four children, and two of my girls are serious horse riders who compete most weekends around the country in show jumping and cross-country trial jumping, particularly through the autumn and winter months so, when I do get some free time, I enjoy riding my horse and playing golf.



If you have any comments, questions or would like us to feature a specific topic in our next newsletter, please get in touch by emailing hello@hynethub.co.uk or calling our project phoneline 0113 395 4495.

## STAY CONNECTED

You can also follow the wider HyNet project using these social media channels:

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