Runcorn Spur Pipeline Proposed Development

Presentation to Frodsham Town Council

Monday 24 March 2025

Introductions

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Agenda

1. LBCCS CO_2 Transport & Storage Infrastructure
2. Overview: Runcorn Spur Pipeline Proposed Development
3. Identifying the proposed spur pipeline route
4. The construction process
5. Land and landowners
6. Minimising our impact on the environment
7. Benefits of the Runcorn Spur Pipeline Proposed Development
8. Indicative timeline
9. Have your say on the Runcorn Spur Pipeline Proposed Development

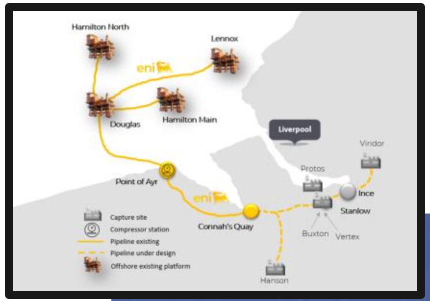
Why do we need the Runcorn Spur Pipeline Proposed Development?

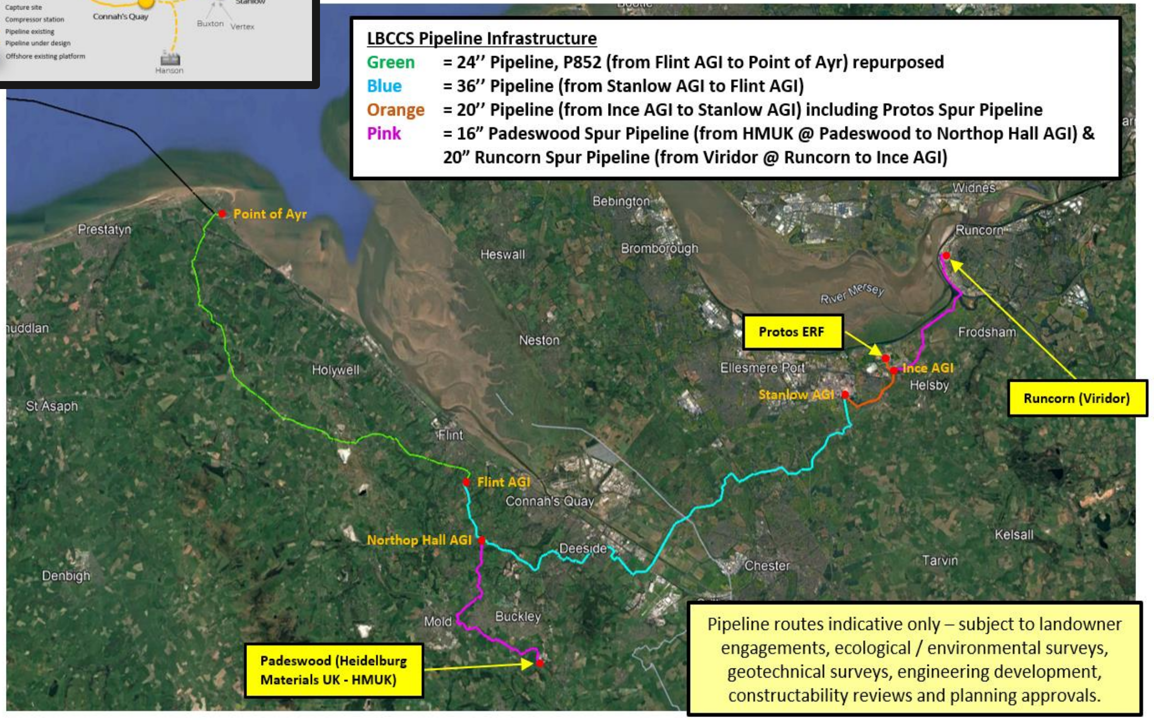
We need to act swiftly to decrease harmful carbon emissions from local industries and improve air quality through carbon capture and storage (CCS).

CO_2 emissions from challenging industries in north west England and north Wales will be safely transported to carbon storage sites beneath Liverpool Bay.

To facilitate this, three proposed Spur Pipeline Developments are necessary to link the capture facilities to the HyNet Carbon Dioxide Pipeline.

- The **Protos (West AGI)** Spur Pipeline Proposed Development
- The **Padeswood** Spur Pipeline Proposed Development
- The **Runcorn** Spur Pipeline Proposed Development





What is carbon capture and storage (CCS)?

CCS is a safe and proven technology that can capture and store up to 95% of CO_2 emission produced in industrial processes.

How it will work for the Proposed Development:

Step one: Install the technology that will capture the CO_2 emissions at the industrial plant, in this case the Viridor Energy from Waste facility. **This step is outside the Runcorn Spur Pipeline Proposed Development as Viridor is responsible for the capture plant.**

Step two: The CO_2 is then transported via a pipeline from the industrial plant to the Ince AGI where it connects to the HyNet Carbon Dioxide Pipeline. **This is the step for which we are applying for.**

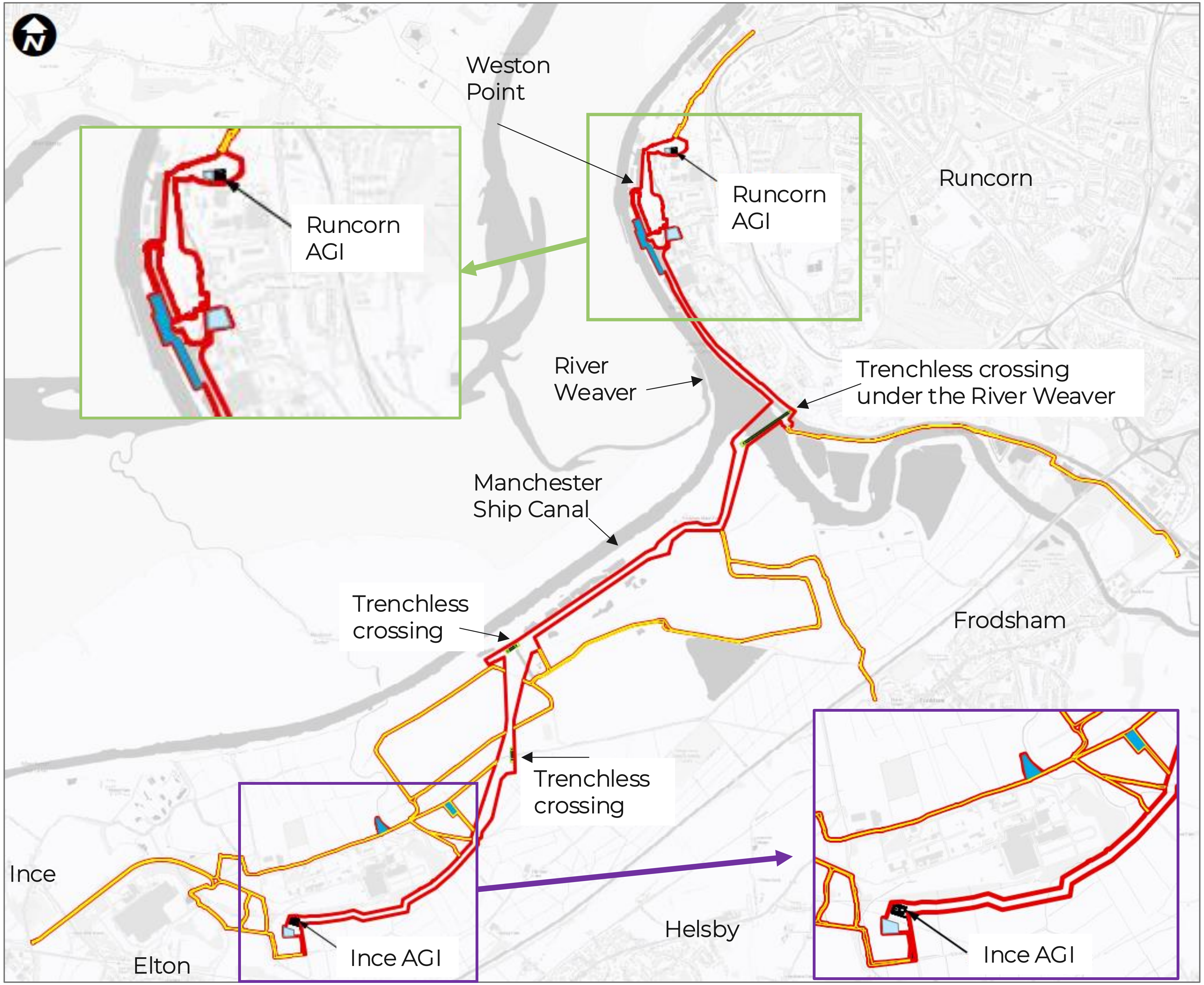
Step three: From the Ince AGI, the CO_2 is transported via the HyNet Carbon Dioxide Pipeline to be stored deep beneath the seabed in carefully selected offshore sites.

Overview: Runcorn Spur Pipeline Proposed Development

The Runcorn Spur Pipeline Proposed Development will connect the carbon capture plant at Viridor's Energy from Waste facility in Runcorn to the HyNet Carbon Dioxide Pipeline at Ince. It would include:

- **An Above Ground Installation (AGI)**: comprising a fenced compound area, measuring approximately 40m x 43m.
- A **spur pipeline:** transporting CO_2 connecting the Runcorn AGI to the Ince AGI and will comprise a 20" diameter, steel pipeline approximately 8.7km in length.
- **Additional equipment at Ince AGI:** additional pipework and modifications to allow connection into Ince AGI.
- **Other infrastructure:** including telecommunications connections, Cathodic Protection equipment, leak detection equipment, and pipeline marker posts.
- **Temporary works:** to facilitate the construction of the Runcorn Spur Pipeline Proposed Development, including construction compounds and temporary access tracks.

Overview: Runcorn Spur Pipeline Proposed Development



Key

- Proposed red line boundary
- Potential access routes
- Centralised construction compound
- Localised construction compound

LBCCS

Proposed Development in relation to the Frodsham Town Council Boundary

Boundary of the Runcorn Spur Pipeline in relation to Frodsham Town Council

Identifying the proposed spur pipeline route

To identify the best route route from the Viridor Energy from Waste facility to the HyNet Carbon Dioxide Pipeline connection at the Ince AGI, we considered engineering, environmental, planning, and landownership factors.

Key points in our planning included:

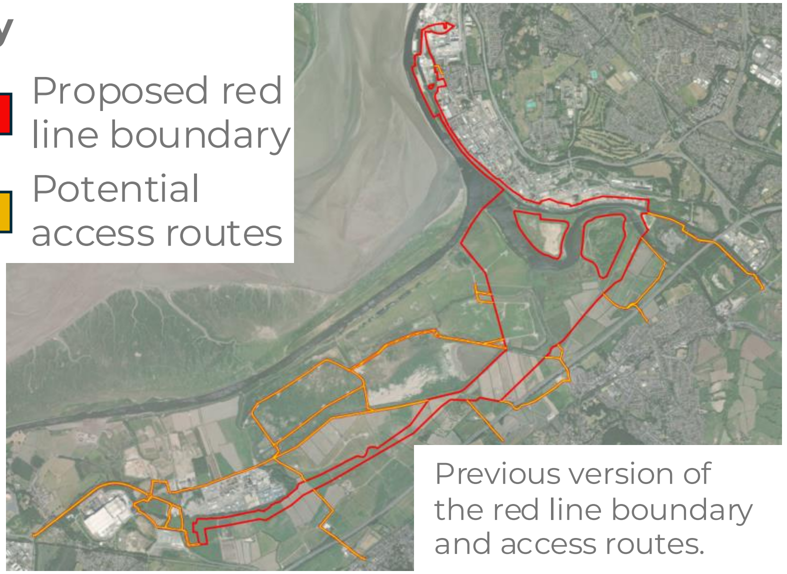
- Protecting the environment and local communities.
- Ensuring safe and secure CO_2 transportation.
- Minimising disruption while maintaining technical soundness.
- Maximising socio-economic benefits for the local area.
- Ensuring cost-effectiveness for the Runcorn Spur Pipeline Proposed Development.

The route presented for consultation has evolved since our initial, early engagement with stakeholders and the public was carried out in 2024.

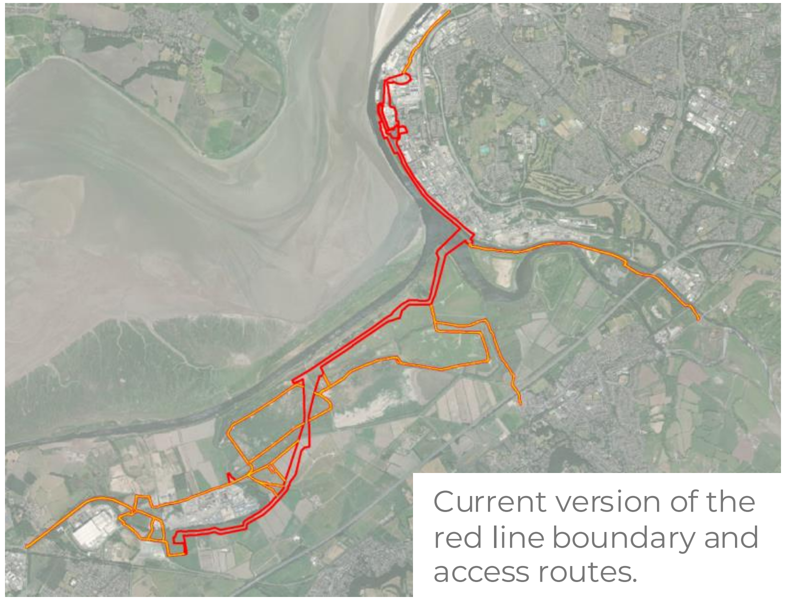
Key

Proposed red line boundary

Potential access routes



Previous version of the red line boundary and access routes.



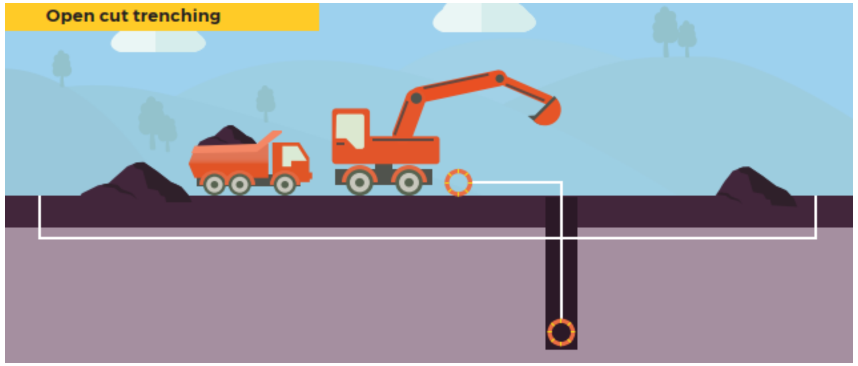
Current version of the red line boundary and access routes.

The construction process

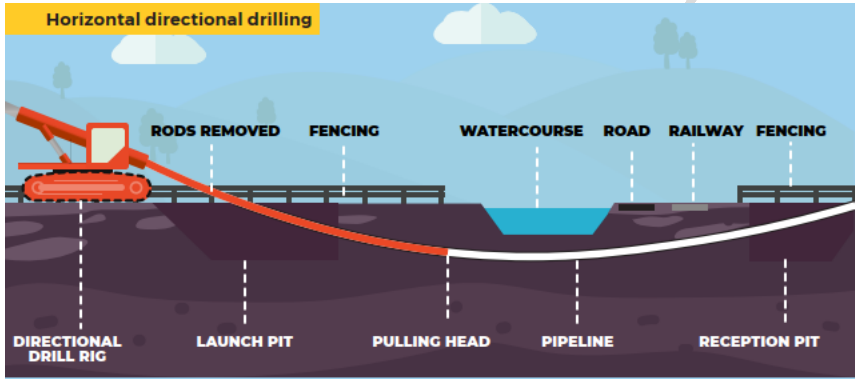
The method of installing the buried spur pipelines will mostly be by the open-cut trench technique, with some areas requiring trenchless crossings.

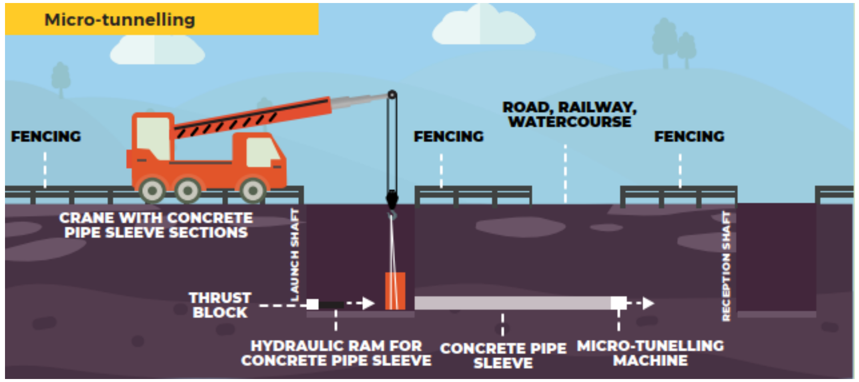
The section of proposed spur pipeline to the east of the River Weaver will be installed above ground.

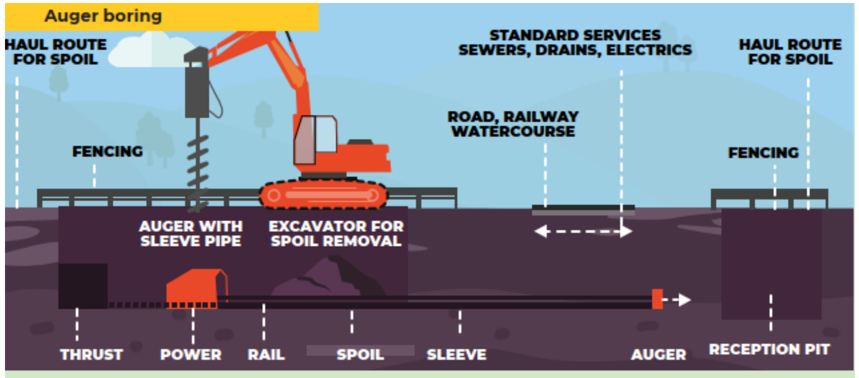
The open-cut trench technique will involve digging soil to form a trench, lowering the pipe into the trench, and backfilling it with the excavated soil.



Trenchless techniques are used when installing pipelines under railway lines, major roads and riverbeds. In these cases, we will use methods such as:







Keeping safe during construction

Construction will be carefully managed to keep everyone safe.

- Temporary access tracks will be established from the existing road network to minimise disruption and local environmental impacts.
- Where open trenching is used across minor roads and tracks, safety will be managed by short term road closures, diversions or traffic management. Road closures are not likely to exceed two weeks.
- Throughout construction, core working hours are likely to be from 8am to 6pm on weekdays (excluding bank holidays) and from 8am to 1pm on Saturdays.
- Some locations where trenchless crossings are being carried out will require working 24 hours a day, but this will be for short periods.
- Temporary construction compounds will be set up to facilitate construction activities, commissioning and landscaping works.

Land and landowners

As well as through this consultation, there are several ways that landowners and other interested parties have been able to participate in the consenting process – including through one-to-one meetings and community information events during the route optioneering and development process. We have a dedicated landowner engagement team in place.

Surveys: a variety of intrusive and non-intrusive surveys have informed the design of the Runcorn Spur Pipeline Proposed Development. To do this, we needed access to land within the area of the Runcorn Spur Pipeline Proposed Development.

Land agreements: certain areas of land will be required to successfully deliver the Runcorn Spur Pipeline Proposed Development. We are working with affected landowners to reach voluntary land agreements within these defined areas.

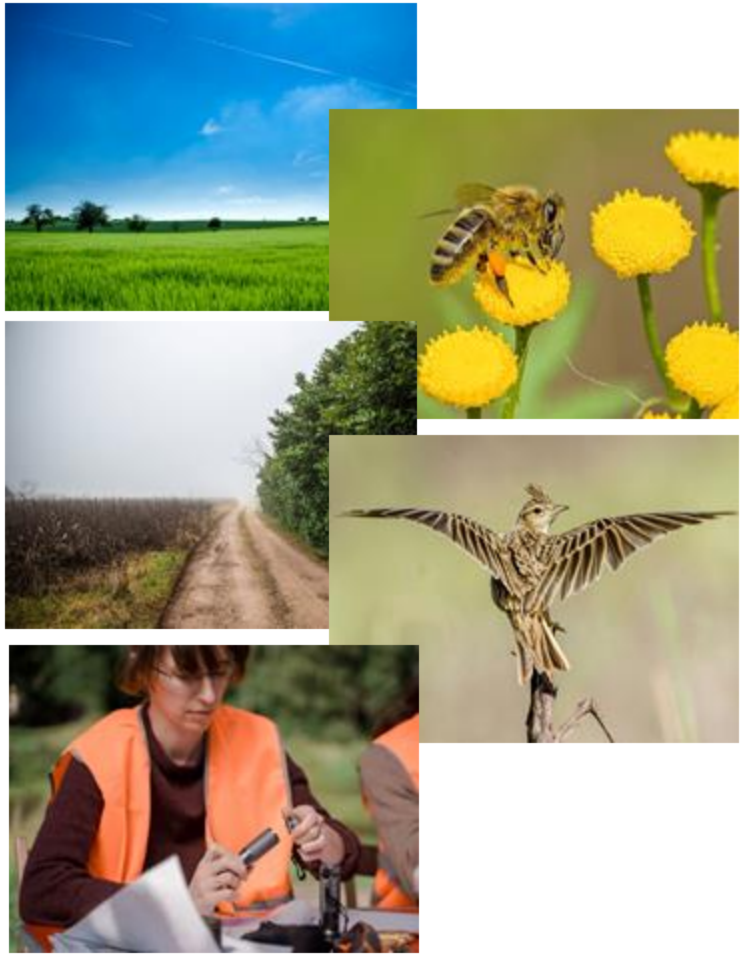
Minimising our impact on the environment

Minimising and managing our impact on the environment is crucial to the delivery of the Runcorn Spur Pipeline Proposed Development.

An Environmental Impact Assessment (EIA) will be carried out to consider the potential effects of the construction, operation, maintenance and decommissioning of the Runcorn Spur Pipeline Proposed Development.

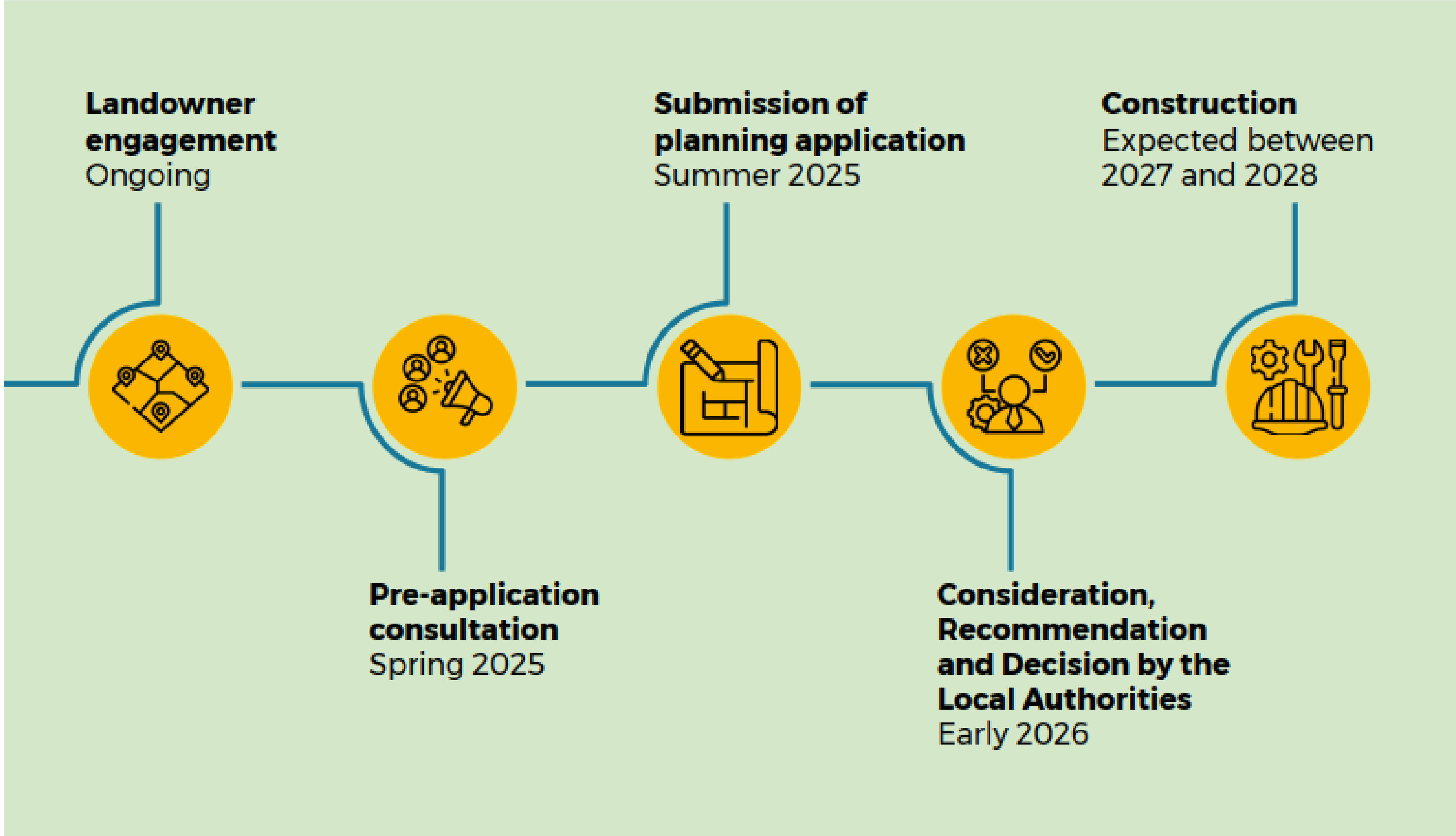
The EIA considers several topics, which include:

- **Air quality**
- **Climate change**
- **Cultural heritage and archaeology**
- **Ecology and biodiversity**
  - ➢ Designated Sites
  - ➢ Priority habitats including trees and hedgerows
  - ➢ Protected species
  - ➢ Biodiversity net gain
- **Land and soils**
- **Landscape and views**
- **Noise and vibration**
- **Traffic and transport**
- **Water environment and flooding**
- **Mitigation and safety measures**
- **Cumulative effects**



More information is available in the **Runcorn Spur Pipeline Environmental Consultation Technical Note** on the website at **hynethub.co.uk/runcorn**

Indicative timeline



Benefits of the Runcorn Spur Pipeline Proposed Development

- Supporting thousands of jobs in the north west of England and north Wales
- More opportunities for local people, creating a hot spot for innovation and growth
- Opportunities for local suppliers to get involved in the design and construction of the proposed spur pipeline
- Education experience for young people as well as work experience, apprenticeships and career opportunities
- Community funding for environmental and educational initiatives

Have your say on the Runcorn Spur Pipeline Proposed Development

- Consultation on the Runcorn Spur Pipeline Proposed Development from **Thursday 13 March to Thursday 10 April 2025.**

- Holding four in-person consultation events and two online events.
    - Saturday 15 March from 11am to 3pm at Christ Church Hall, WA7 4EU
    - Tuesday 18 March from 6.30pm to 7.30pm – online
    - Friday 28 March from 2pm to 6pm at Christ Church Hall, WA7 4EU
    - Saturday 29 March from 11am to 3pm at Elton Community Centre, CH2 4PU
    - Wednesday 2 April from 3pm to 7pm at Helsby Sports Club, WA6 0FX
    - Friday 4 April from 12.30pm to 2.30pm - online

- We are providing an update to relevant stakeholders via email and offer briefings.

- We have distributed a postcard to 6,700 addresses providing information and how to find out more information.

- Feedback can be provided via a feedback form that will be available on the website: https://hynethub.co.uk/ (paper copies will be made available on request and at the consultation events)

- Questions and comments can also be sent to: hello@hynethub.co.uk

Thank you