

PROTIUM

- Founded in 2019
- Now with 40+ employees.
- Recently closed £40.5m fundraising.

 Focus on industrial decarbonisation of heat and mobility. UK largest green hydrogen project developer (pipeline >£1bn).

 Two flagship projects with AB InBev (Wales) and this project in Teesside.



Why Hydrogen?

Hydrogen is the most abundant element in the universe, making up more than 90% of all matter

Hydrogen is

- Safe
- Mobile
- Zero Carbon*
- easy to store

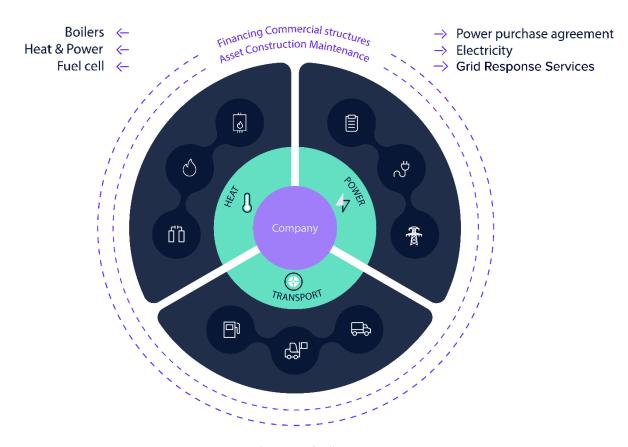


*if generated renewably



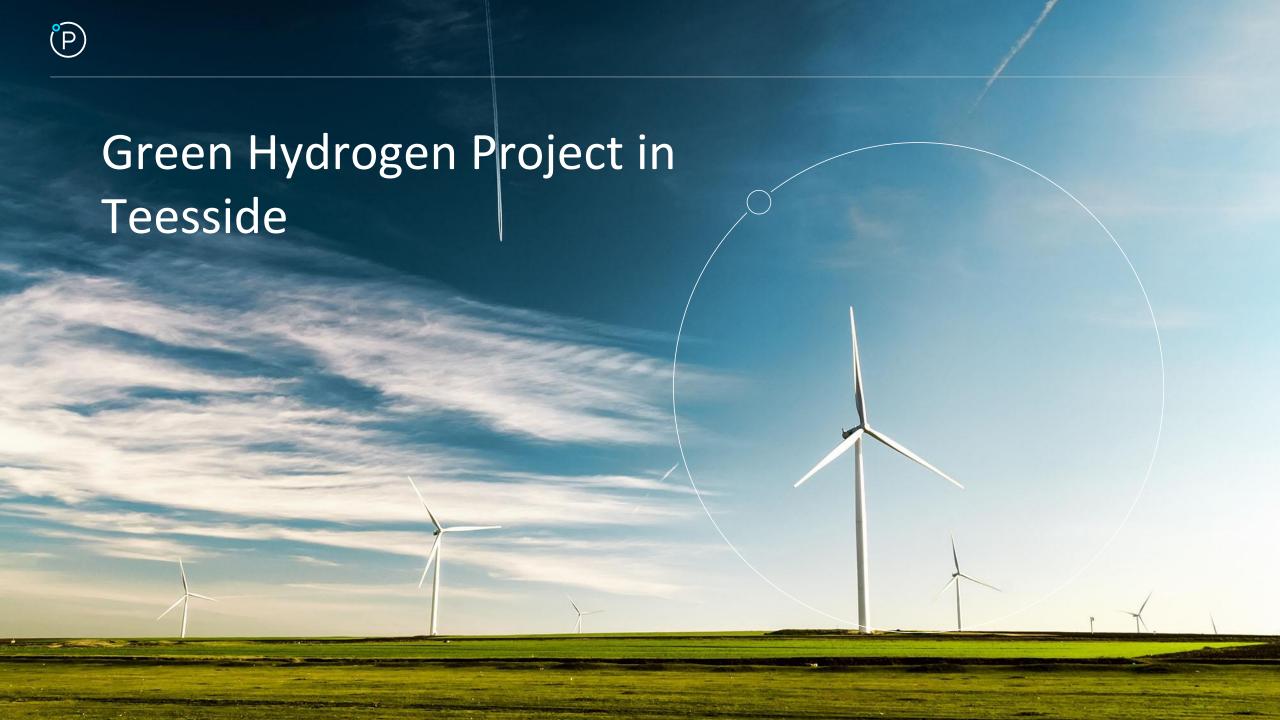
Protium's Mission to End Fossil Fuel Use in The UK and Beyond

- Protium develops, builds, finances, and operates renewable energy projects that produce green hydrogen from water and renewables.
- We focus on projects and sectors where early commercial traction is viable without relying on government grants or subsidies.
- We believe hydrogen is the key energy carrier to replace fossil fuels in the hardest areas to decarbonise, including:
 - Industrial Heating
 - Commercial Transport
 - Aviation & Airports and Maritime



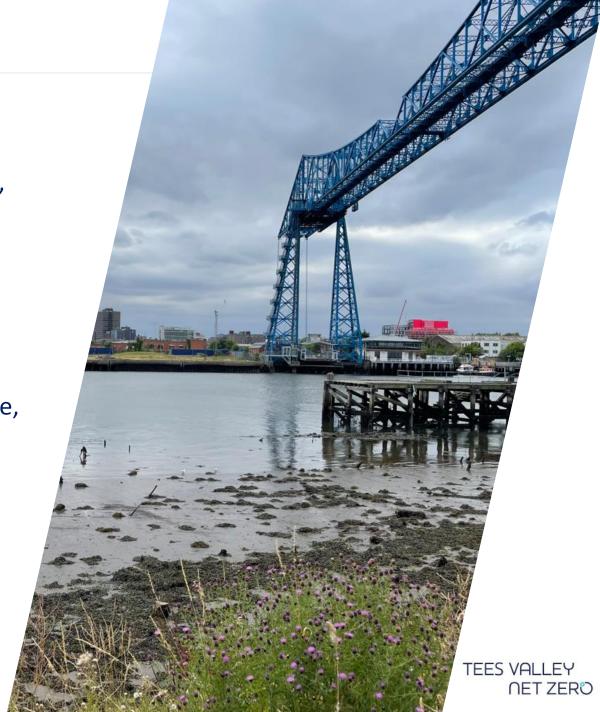
- → Hydrogen refuelling
- → Forklifts
- → Commercial Vehicles
- Aviation / Maritime





(P) Why Teesside?

- Tees Valley is ideally situated to become a multisector, sustainable and zero-carbon industrial zone, which services the whole of the UK.
- Innovation is a key feature of the Tees Valley economy, central to production, its future and growth.
- By developing this 'green hydrogen hub' in Teesside, we are able to service multiple off-takers with different energy requirements.
- Along with other similar projects in Teesside, Tees
 Valley Net Zero would assist in making Teesside a global pioneer in the green hydrogen economy.







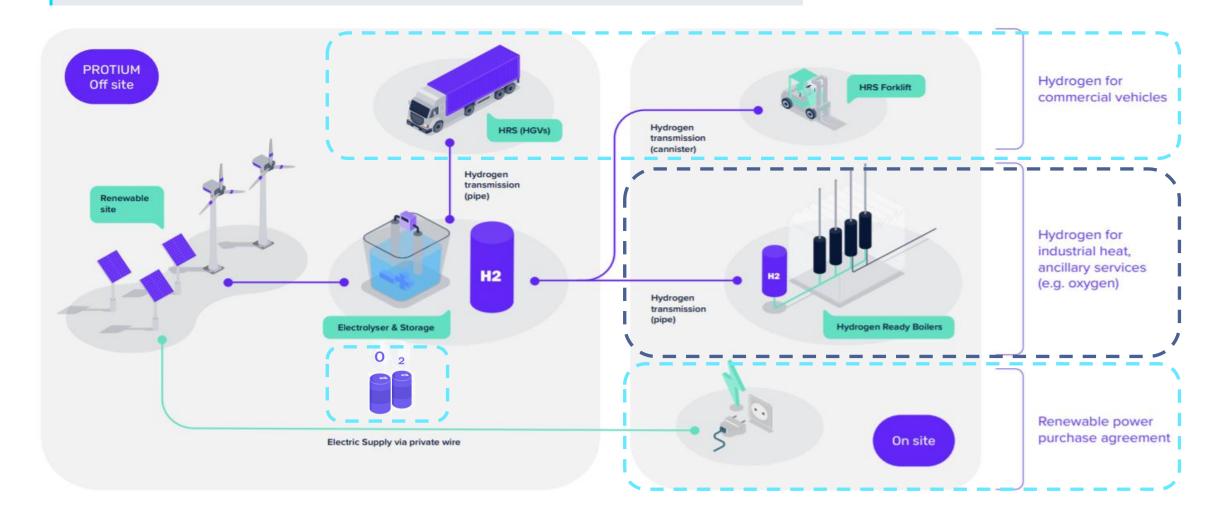
Project Overview

Green Hydrogen Hub for Teesside

- Flagship project to install ~70MW of electrolysis.
- · Targeted at the decarbonisation of industries in Teesside.
- Targeting first of the green hydrogen production to be ready in late 2025.
- Most of the job creation will occur during construction with sustained employment during operation.

Applications

- Hydrogen for mobility & heat.
- Renewable power.
- Oxygen.

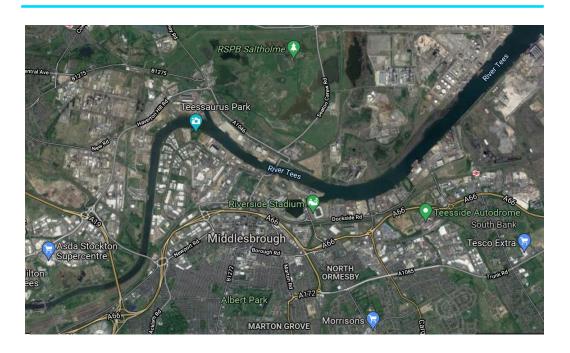




Main Project Location

The main site is located at Haverton Hill, on the north side of the River Tees across from the 'Teessaurus Park'.

An example of the likely infrastructure to be included on this site is shown on the next slide.











The Benefits

Environment

• Improving local air quality through use of Fuel Cell Electrical Vehicles (FCEVs) - our vehicles only emit water vapour whilst filtering particulates out of the air as they move.

 Reducing sound pollution, FCEV's make little noise when operating.

• Reducing greenhouse gas emissions – improving the environment and providing a future for our children.



The Benefits

Community

- Support Teesside to become a leader in green technology.
- Increased job security providing an increase in highly skilled local jobs in an emerging green technology sector.
- Use of and engagement with the local Teesside supply chain
- Bringing hydrogen sustainability education to local schools and universities to inspire future STEM careers.



PROTIUM

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