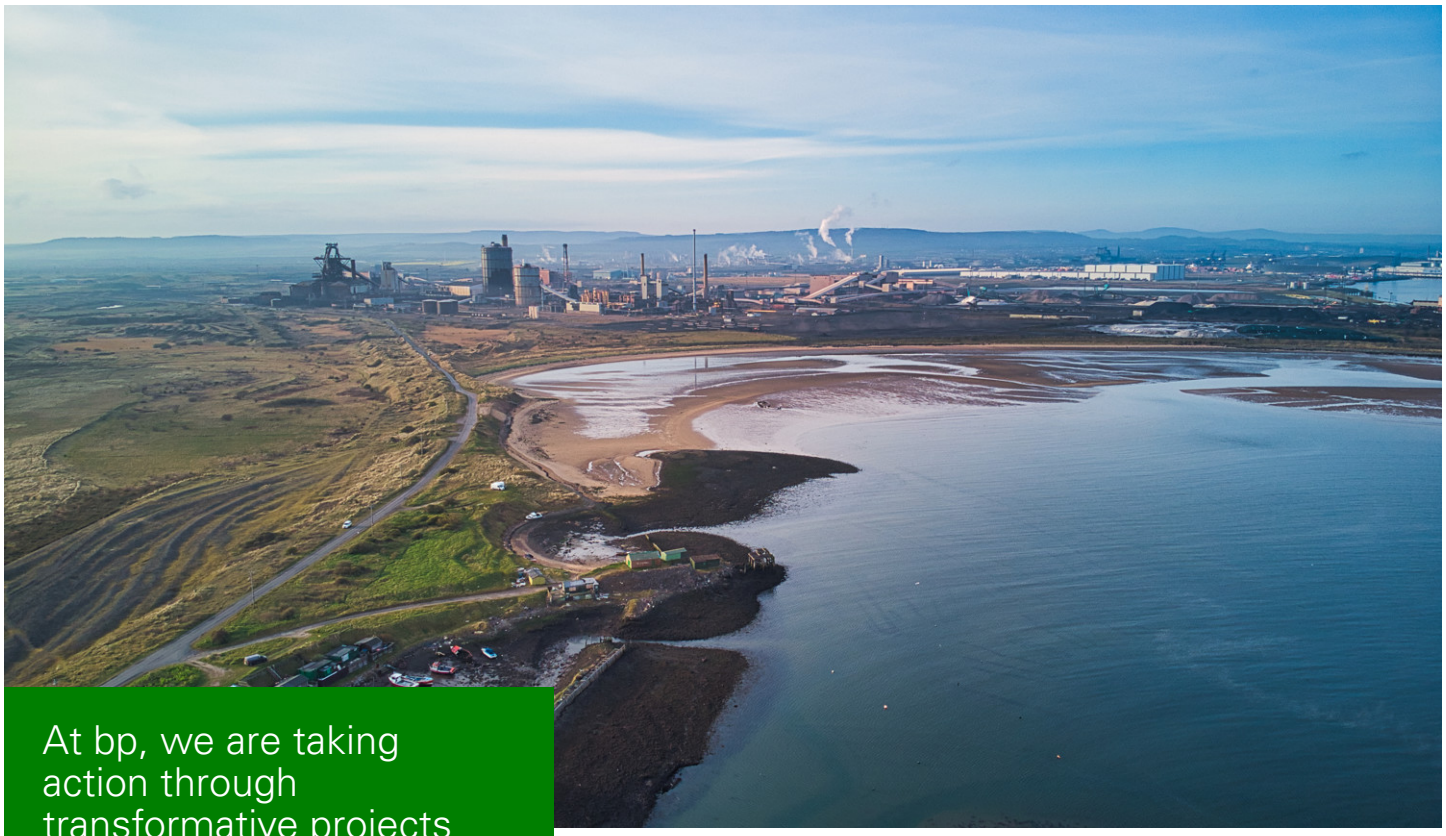
HyGreen Teesside

Have your say on our proposals for a new green hydrogen production facility in Redcar.



At bp, we are taking action through transformative projects that will help us to achieve our net zero ambitions.

We're backing hydrogen and carbon capture storage to help Teesside and the UK decarbonise its industry. As part of this, we're planning a new green hydrogen production facility in Redcar which will provide low carbon energy to the local area.

Hydrogen is set to play an essential role in decarbonising industries in the UK, particularly industrial activity that is difficult and expensive to electrify. Hydrogen can also be used for power generation, and as an alternative fuel source for mobility and transport, such as heavy-duty fleets, buses, rail and aviation.

We're holding a public consultation on our proposals for HyGreen Teesside.

Working with the local community is important to us so we want to hear your views before we finalise our design and submit a planning application to Redcar and Cleveland Borough Council.

Our consultation on this project will run between between 1st June 2023 and 6th July 2023.

Contact us

You can get in touch with us in the following ways:

info@hygreenteesside.net

0800 0803010

See how you can find out more about our project and have your say in this leaflet.

What is green hydrogen?

Green hydrogen is made by using renewable and low carbon power sources, such as solar or wind, to split water (H_2O) into hydrogen (H_2) and oxygen (O_2) in a process called water electrolysis. It has a number of potential uses, including as a low carbon fuel source and feedstock for the chemical and petrochemical industries. It can also be used for power generation and as an alternative fuel source for mobility and transport.

Developing low carbon energy in Teesside

Teesside has a long and proud history of industrial activity, ranging from steelmaking to chemicals. The region continues to play a key role in UK industry today, with Teesside's leading industrial businesses making a significant economic contribution both locally and across the whole of UK each year.

The UK government has made a legally binding commitment to achieve net zero in greenhouse gas emissions by 2050. Key to achieving this will be ensuring carbon intensive sectors in areas like Teesside, are able to decarbonise. The industrial sector in Teesside is concentrated in a tightly packed area, making it a great location to decarbonise effectively and efficiently.

HyGreen Teesside, alongside other proposed projects in the local area, can help Teesside become the UK's leading hydrogen hub, creating new high-quality jobs, supporting local education and skills development, and kick-starting a highly skilled UK-based hydrogen supply chain.

Benefits for the local community

We believe HyGreen Teesside will deliver significant benefits to the local community in Teesside.

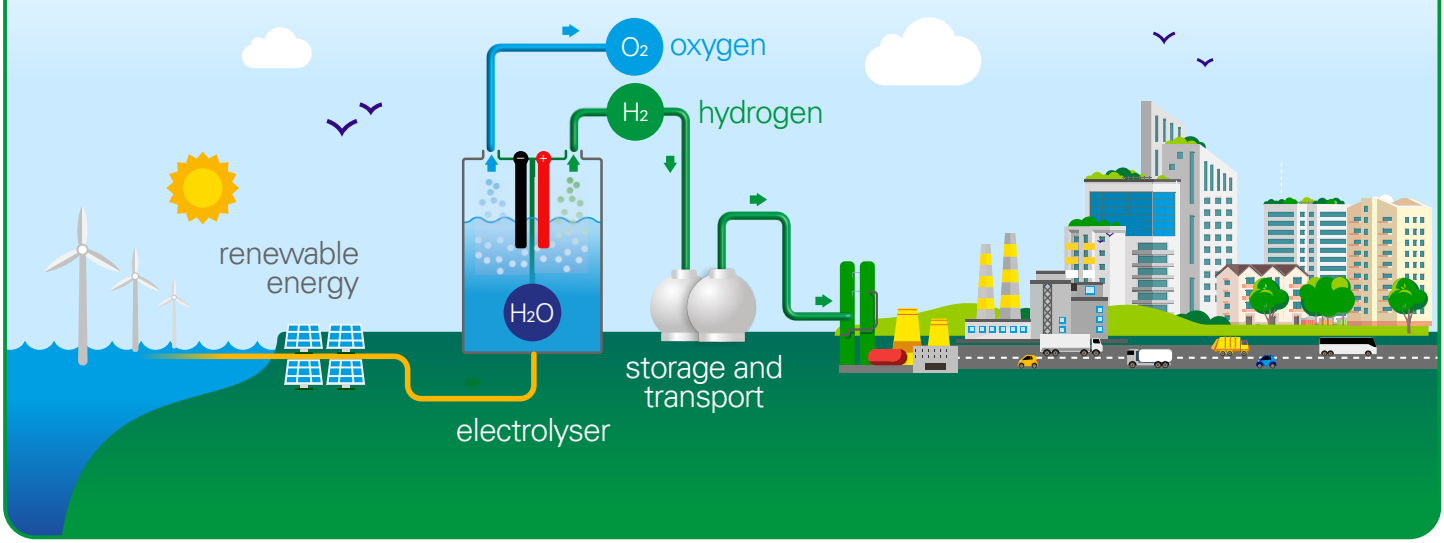
As well as contributing to local economic development, the quality of jobs and upskilling opportunities provided by HyGreen Teesside will support local people.

We're working with local councils, authorities, and educators to create a legacy in the region, support social mobility and enable a just transition that engages the local community. This includes establishing a community fund for net zero-focused community projects, supporting local SMEs and launching a low carbon community hub. We've also partnered with Redcar & Cleveland College to support green skills and education initiatives on Teesside.

HyGreen Teesside

Green hydrogen production

The electrolysis of water using renewable power to create hydrogen.



How to find out more

Online

Our consultation materials will be available on the HyGreen Teesside project website from 1st June 2023: **www.hygreenteesside.co.uk**

Consultation events

We're holding a series of face-to-face events where you can view our consultation materials and speak to members of the project team.

Venue	Date	Time	Address
The Seaview Business Centre, Redcar	Tuesday 6th June 2023	15:30 – 19:00	Turner Street, Redcar TS10 1AZ
Tuned-In	Saturday 10th June 2023	12:00 – 17:00	Majuba Road, Redcar TS10 5BJ
Inspire2Learn	Wednesday 21st June 2023	14:00 – 19:00	South Bank, Normanby Road, Middlesbrough TS6 9AE

Information points

Hard copies of our consultation brochure and feedback form will be available to view at the following locations, during their usual opening hours:

Redcar Library, Redcar and Cleveland House, Kirkleatham Street, Redcar, TS10 1RT

Monday to Wednesday 9am – 6pm, Thursday 9am – 5pm, Friday 9am – 6pm, Saturday 9:30am – 12:30pm

Dormanstown Library, Farndale Square, Redcar, TS10 5HQ

Tuesday 9:30am – 5pm (closed 12:15pm –12:45pm), Friday 9:30am – 5pm (closed 12:15pm –12:45pm)

Roseberry Community Library, Ayton Drive, Redcar, TS10 4EW

Monday to Thursday 10am – 4pm (closed 12:15pm –12:45pm), Friday 9:30am – 4pm (closed 12:15pm –12:45pm)

Laburnum Road Library, Laburnum Road, Redcar, TS10 3QR

Tuesday 9:30 – 5pm (closed 12:15pm –12:45pm), Wednesday 9:30 – 5pm (closed 12:15pm –12:45pm)

Grangetown Library, Birchington Avenue, Grangetown, TS6 7LP

Monday 9am – 5pm, Wednesday 10am – 5pm, Thursday 10am – 4pm, Friday 10am – 5pm, Saturday 9:30am – 12:30pm

South Bank Library, Low Grange Health Village, Normanby Road, Middlesbrough, TS6 6TD

Monday, Tuesday, Thursday, Friday 9am – 6pm, Wednesday 9am – 5pm, Saturday – 9:30am – 12:30pm

Markse Library, Windy Hill Lane, Marske-by-the-Sea, TS11 7BL

Monday 9am – 5pm, Tuesday 10am – 4pm, Wednesday 10am – 5pm, Friday 10am – 5pm, Saturday 9:30am – 12:30pm

How to have your say

You can respond to this consultation in the following ways:

Online Fill in our online response form at **www.hygreenteesside.co.uk**

Post Collect a hard copy response form from one of our events or public venues, fill it in and post to **FREEPOST HYGREEN Teesside**

Email Email your response to **info@hygreenteesside.net**

The deadline for consultation feedback is **23:59 on 6th July 2023**

Our planned blue hydrogen facility

Alongside HyGreen Teesside, we are proposing a large-scale blue hydrogen production facility also in the Teesside area. This blue hydrogen project could also support the UK's decarbonisation aims by producing over 10% of the UK's low-carbon hydrogen target by 2030.

Blue hydrogen, also referred to as Carbon Capture and Storage-enabled low carbon hydrogen, is extracted from natural gas. H2Teesside will convert methane (CH_4) in natural gas into hydrogen (H_2) and carbon dioxide (CO_2).

The vast majority of CO_2 produced during this process is captured and stored permanently, preventing it from entering the atmosphere. H2Teesside will capture approximately 2 million tonnes of CO_2 per year, equivalent to capturing the emissions from the heating of one million UK households.

When can I hear more about H2Teesside?

The H2Teesside project is separate to HyGreen Teesside, and requires a different type of consent granted in the form of a Development Consent Order.

We're still developing our plans for H2Teesside and will shortly consult with the local community. We'll write to you about our plans and invite you to share your views with us.

In the meantime, if you'd like to read more about H2Teesside, you can visit the project website: www.h2teesside.co.uk

h2Teesside timeline

Summer 2023	We'll be holding a public consultation through the summer months, where you'll have the opportunity to review our proposals, talk to the project team members and provide feedback.
Autumn 2023	We plan to submit our Development Consent Order application to the Planning Inspectorate.
Early 2024	The Planning Inspectorate will begin their examination of our DCO application
Summer 2024	The Planning Inspectorate will conclude their examination of our DCO application
Winter 2024	The Secretary of State will announce their decision as to whether to grant development consent for H2Teesside.
Spring 2025	Subject to the DCO application being granted, construction of H2Teesside is planned to commence in spring 2025.
Winter 2027	It is planned that H2Teesside would start commissioning by winter 2027.