



International Partnership
for Hydrogen and Fuel Cells
in the Economy

United Kingdom Update

44th IPHE Steering Committee Meeting

24 – 25 November 2025

Riyadh, Kingdom of Saudi Arabia

Key Initiatives *United Kingdom*

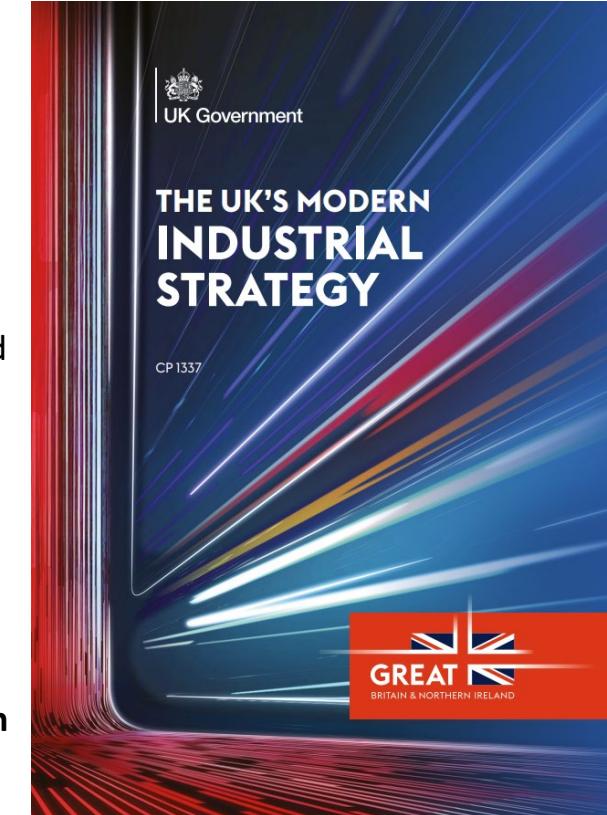


Hydrogen Strategy

- We will be publishing the hydrogen strategy shortly, which will set out the UK's vision and objectives.

Industrial Strategy

- 10-year plan to promote and drive long-term, sustainable, and inclusive growth through securing investment into crucial sectors of the economy.
- **Hydrogen backed as a frontier technology** through the Clean Energy Industries Sector Plan within the strategy and provides a clear mission to drive investment certainty.
- Associated **Hydrogen Action Plan** provides a deployment timeline for our hydrogen allocation rounds (HARs) and announces new investment rounds and policies to accelerate growth in the sector.



Hydrogen Infrastructure Support

- Government support of **£500 million** to support hydrogen infrastructure to enable the UK's first **regional hydrogen network**.
- Bringing together production, transport, storage and end users for the first time to progress from initial small-scale projects to larger-scale hydrogen infrastructure.

Clean Energy Industries Sector Plan *United Kingdom*



Clean Energy Industries Sector Plan

➤ Provides clear direction across different areas. Highlights include:

➤ **Deployment:**

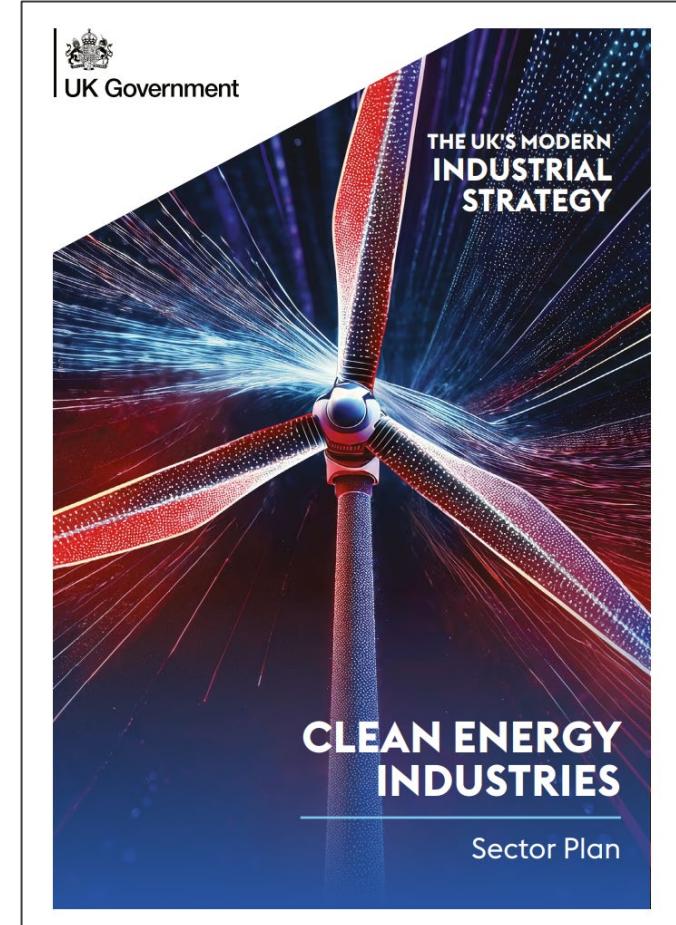
- Providing certainty for **future Hydrogen Allocation Rounds (HAR)**.
- Intention to launch **HAR3 in 2026 and HAR4 in 2028**.

➤ **Infrastructure:**

- Launching the first round of the **transport and storage allocation rounds** in 2026.
- **Hydrogen to Power Business Model** to launch in 2026.

➤ **Supply Chains:**

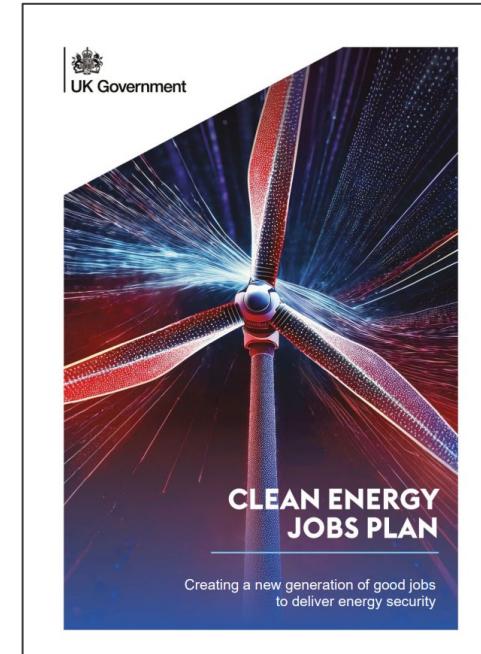
- **£1 billion Clean Energy Supply Chain Fund** for sustainable supply chains in the UK.
- **Launching a £4 billion British Business Bank Industrial Strategy Growth Capital initiative** to deploy more capital to target the scale-up gap.



Hydrogen Jobs and Skills *United Kingdom*



**Hydrogen Skills
Alliance**



September 2025: The Department for Energy Security and Net Zero (DESNZ) and the Hydrogen Skills Alliance launched the **Hydrogen and Carbon Capture Skills Accelerator**.

- DESNZ provided £400,000 in support to Cogent Skills to begin designing a **comprehensive hydrogen and CCUS curriculum**, starting in **September 2025**.

October 2025: The **Clean Energy Jobs Plan** sets out the workforce needed to deliver clean energy ambitions and how government will work with industry and trade unions to deliver it.

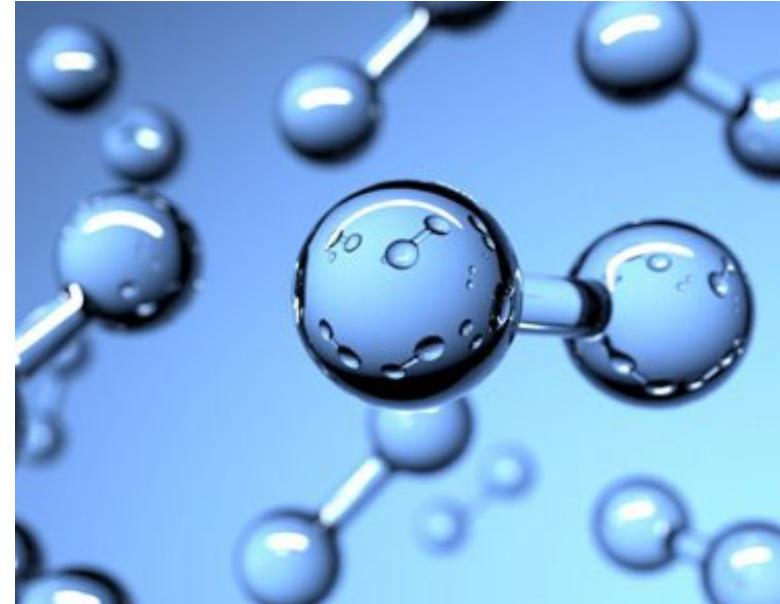
- Sets out a **pathway for the clean energy workforce to expand across clean energy sectors and supply chains by 2030, including hydrogen jobs**.



Regulations, Codes & Standards, and Safety Update *United Kingdom*

Economic Regulatory Framework Consultation

- Sets out proposals for balancing, system operation, supply, other licensable activities, and the Hydrogen Network Code.
- Consultation closed in September 2025; Government Response will be out in due course.



UK Civil Aviation Authority Hydrogen Challenge

- Launch of second round and expansion of the regulatory sandbox to support hydrogen technologies in aviation.
- Supports the development of a proportionate regulatory framework and encourage investment.

Hydrogen-fuelled gas appliance - Guide

- Consultation to amend the standard on hydrogen-fuelled gas appliances to address issues of supply test pressures and flash back prevention.
- Consultation ended in September; publication expected February 2026.

United Kingdom – Profile November 2025



Status of Deployments

- Hydrogen Allocation Round 1 (HAR1) contracts being finalised and signed; projects starting to be built.
- HAR2 shortlist announced.
- HTBM and HSBM designs completed in 2026.
- H2PBM to launch in 2026.

Leading Government Initiatives

- Clean Energy Superpower Mission
 - Clean Power 2030
 - Accelerating to Net Zero
- Economic Growth Mission
- Industrial Strategy
 - Clean Energy Industries Sector Plan
- Hydrogen Strategy (To be published shortly)

Deployment Goals

- Launching the Hydrogen Production Business Model
- First allocation rounds of HTBM and HSBM in 2026
- Regional Network by 2031

Goals or Focus Areas

- Whole value-chain focus
- Sector Growth
- Hydrogen to Power, Production, Transport and Storage Business Models (H2PBM, HPBM, HTBM, HSBM)

Funding

- £500 million for a hydrogen regional network.
- £1 billion Clean Energy Supply Chain fund.
- £4 billion British Business Bank Industrial Strategy Growth Capital initiative.
- £2bn from the Hydrogen Production Business Model and £90m from Net Zero Hydrogen Fund for HAR1 projects.



Recent Hydrogen Publications - *United Kingdom*

Update to the Market (July 2025): Sets out the key milestones achieved by DESNZ since December 2024 to deliver the hydrogen economy and an ambitious forward look at our next steps and upcoming opportunities.

Hydrogen Blending into the GB Gas Transmission Network (July 2025): Sought views on the potential strategic benefits and the technical and economic implications of enabling hydrogen blending to help inform the assessment of transmission-level blending.

Hydrogen Economic Regulatory Framework: developing an effective framework for pipeline networks (July 2025): Sought views on proposals for an economic regulatory framework for 100% hydrogen pipeline networks.

Hydrogen Infrastructure Strategic Planning Policy Statement (October 2025): A document discussing the UK Government's views on how it envisages the National Energy System Operator will carry out strategic planning for hydrogen infrastructure for Great Britain.



Thank you



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