

The role of public sector innovation funding in supporting Hydrogen

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Innovate UK

- We are the UK's innovation agency
- We support business-led innovation in all sectors, technologies and UK regions
- A key delivery body of the Government's Innovation Strategy

Our Mission

To help UK businesses grow through the development and commercialisation of new products, processes, and services, supported by an outstanding innovation ecosystem that is agile, inclusive, and easy to navigate.





Benefiting everyone through knowledge, talent and ideas

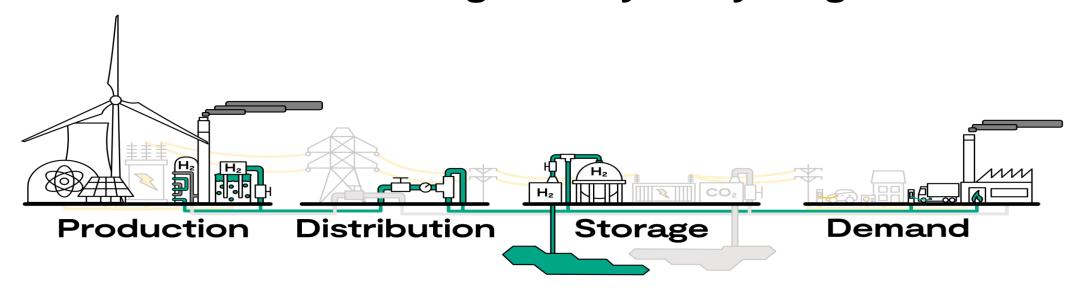
UK Research and Innovation brings together the 7 Research Councils, Innovate UK and Research England.

As part of UK Research and Innovation, Innovate UK drives productivity and economic growth by supporting businesses to develop and realise the potential of new ideas including those from the UK's world-class research base.





Innovate UK has a strong history in hydrogen innovation



371+

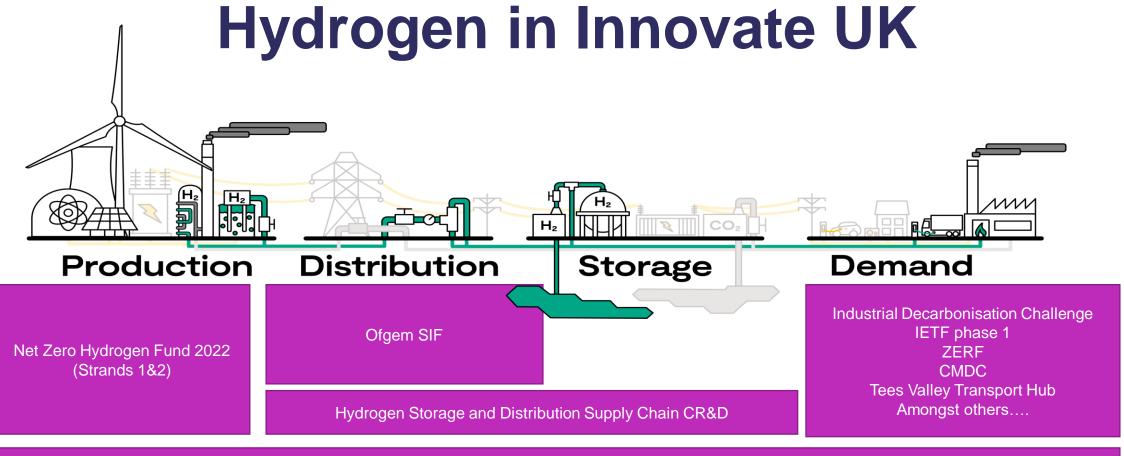
Hydrogen projects funded by the end of 2021 across the value chain (production, storage, distribution, and use)

562+

Organisations involved.

£255m+

Invested in hydrogen as grant contributions by the end of 2021



Catapult's Hydrogen Innovation Initiative SEED programme

Skills foresighting International



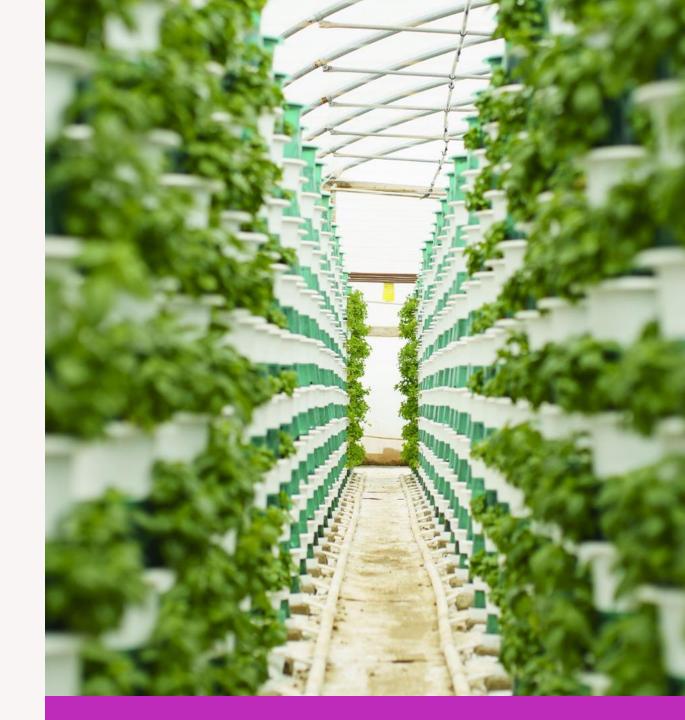
Innovate UK Support for Hydrogen R&D

- UK Funding Schemes
- Support to access EU Clean Hydrogen Partnership funding opportunities
- Global Business Innovation Programme
- Hydrogen Supply Chain Directory

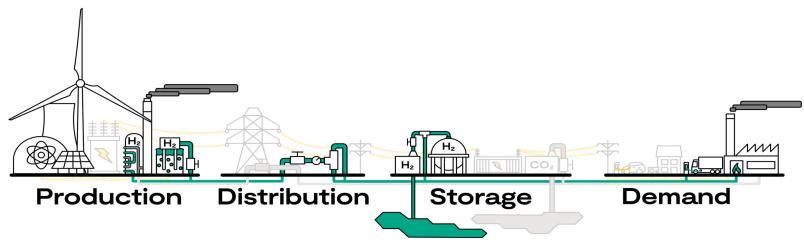


Scope - Hydrogen Supply Chain Collaborative R&D Competition





Key Points



To develop new ways of delivering integrated hydrogen storage and distribution systems, and the associated supply chains.

Closing date: 26th April 2023

- £4.35m available
- Projects of up to £1m total project cost
- Up to 18 month projects
- Must start by 01 December 2023
- Must end by 31 May 2025

Your project MUST include

- 1. at least two parts of the hydrogen value chain one of these MUST be storage or distribution
- 2. multiple tiers of the associated supply chains
- 3. user of the hydrogen as either a collaborator or advisor
- 4. one SME



Your project must demonstrate how it will work across and integrate multiple parts of the hydrogen value chain and tiers of the supply chain hydrogen value and supply chain. You can include technology, business model development, safety and standardisation.

- 1. Your project must focus on one or both of the following parts of the hydrogen value chain:
 - hydrogen storage
 - hydrogen distribution
- 2. Your project must span two or more parts of the hydrogen value chain including:
 - production
 - storage
 - distribution
 - use
- 3. You must demonstrate how you are developing the UK hydrogen supply chain within the focus area of innovation and how it has **included multiple tiers of the hydrogen supply chain**.



You can develop innovation within different parts of hydrogen storage and distribution supply chain, including:

- physical infrastructure, for example:
- tanks and pipes
- digital and optimisation infrastructure
- components and enabling technologies, for example valves, seals and fittings
- on-road distribution, for example tube trailers
- refuelling
- Metering and sensing
- separation
- compression
- materials
- · blending and deblending

This list is not intended to be exhaustive.

You are encouraged to work across supply chain components to develop new ways of delivering integrated storage and distribution systems, to accelerate adoption, reduce the complexity and cost of hydrogen.



Working with a gas network

If you intend or need to work with a transmission or distribution gas network, you must get in touch with Innovate UK before submission of your application. We will discuss your application and its relationship with the Ofgem Strategic Innovation Fund.



support@iuk.ukri.org





EU Funding Opportunities for Hydrogen R&D

Fundamentals of Clean Hydrogen Partnership

- UK has attracted €79m for Hydrogen R&D from Europe, benefitting 59 organisations
- UK organisations can apply
- Hydrogen R&D is funded through the Clean Hydrogen
 Partnership
- Must apply as part of a consortium representing at least three member states/associate countries (plus UK organisation)
- Projects can last 2-5 years
- Proposal preparation can take 6-12 months
- Projects must advance cutting-edge innovation at a European level and benefit all Europeans





Annual Work Plan 2023



Total budget: 195 M€

Publication date: 17th January 2023

Opening of submission: 31st January 2023

Deadline: 18th April 2023



Global Business Innovation Programme – Hydrogen, Australia



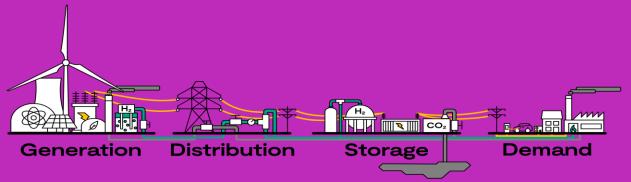




Up to 15 highgrowth innovative businesses

11 day market visit

collaboration, growth and innovation



- Low cost, low carbon hydrogen production (including green and blue hydrogen)
- Safe and efficient hydrogen transport and storage (including deblending, linings, alternative carriers e.g. ammonia)
- Products and services that reduce the barriers to hydrogen adoption and investment (including modularisation and as-a-service business models)
 - utilisation in mobility, industry and power

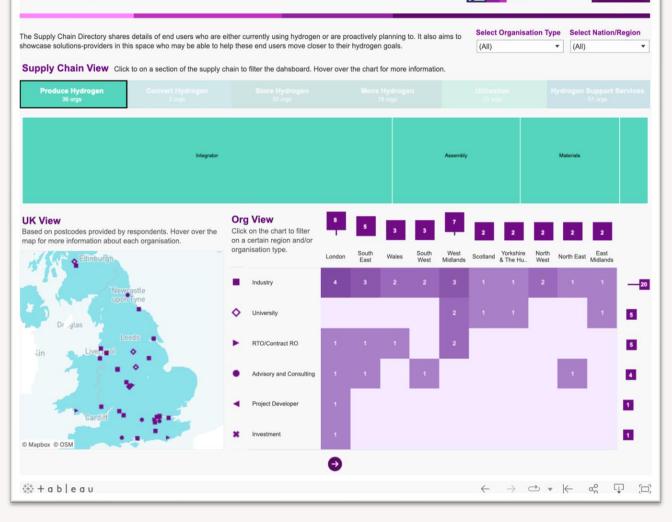


Innovate UK KTN - Hydrogen supply chain directory

Hydrogen Supply Chain Directory

- Shares the details of end users who are currently either using or producing hydrogen, or are proactively planning to
- Showcases solutions-providers who may be able to help these end users meet their hydrogen targets

Innovate UK KTN can facilitate knowledge transfer and introductions for users of the directory







MENU -



Thank You







