

FUNDING INNOVATION FOR NET ZERO

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The Hydrogen and Advanced Technologies branch in the Department for the Economy has created this regular newsletter to keep you informed of any relevant external funding opportunities available. Our focus is funding which promotes clean energy and a low carbon economy. We hope you find this helpful and if you have any feedback on the newsletter, please contact us at:
HydrogenAdvancedTechnologiesBranch@economy-ni.gov.uk



Edition 5
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Disclaimer: In this newsletter we are referencing publicly available information, we acknowledge that it may not be exhaustive. We advise all interested parties to engage with funding bodies in the first instance directly at the earliest opportunity. DfE accepts no liability for discrepancies in dissemination. Funding opportunities detailed do not represent DfE endorsement or involvement in any way.

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New this Issue:

Hydrogen Business Model and Net Zero Hydrogen Fund: Electrolytic Allocation Round 2022

This call is for submissions to the 2022 Hydrogen Business Model and Net Zero Hydrogen Fund Electrolytic Allocation Round.

Hydrogen will play a vital role in delivering the UK's commitment to reach net zero by 2050.


The UK is aiming to develop up to 10GW of low carbon hydrogen generation by 2030, subject to affordability and value for money (VfM), with the intention that at least half of this will be from electrolytic hydrogen, drawing on the scale up of UK offshore wind, other renewables, and new nuclear.

The [Energy Security Strategy](#) detailed the ambition of the UK to support up to 1GW of electrolytic hydrogen being in construction or operational by 2025. BEIS aim to run yearly electrolytic allocation rounds for the Hydrogen Business Model (HBM) and move to price-competitive allocations by 2025 as soon as market conditions and legislation allow.


For the 2022 HBM / NZHF Electrolytic Allocation Round, BEIS propose that projects can apply for HBM revenue support only, or they can apply for joint HBM revenue support and CAPEX support through the Net Zero Hydrogen Fund (NZHF).

 **Funding Organisation:** BEIS

 **Opening Date:** Currently Open

 **Closing Date to Submit an Expression of Interest:**
7th September 2022 (Once an EoI is submitted organisations will be provided with a link to the online application form)

 **Closing Date for Application form:**
12th October 2022

 **More information can be found at:**
[Hydrogen Business Model and Net Zero Hydrogen Fund: Electrolytic Allocation Round 2022 - GOV.UK \(www.gov.uk\)](https://www.gov.uk/guidance/hydrogen-business-model-and-net-zero-hydrogen-fund-electrolytic-allocation-round-2022)

New this Issue:

Innovate UK Smart Grants: July 2022


UK registered organisations can apply for a share of up to £25 million for game-changing and commercially viable research and development (R&D) innovation that can significantly impact the UK economy.

 **Funding Organisation:** Innovate UK

 **Total Fund:** £25,000,000

 **Opening Date:** 28th July 2022

 **Closing Date:** 26th October 2022 at 11 am

 **More information can be found at:** [Competition overview - Innovate UK Smart Grants: July 2022 - Innovation Funding Service \(apply-for-innovation-funding.service.gov.uk\)](https://www.innovateuk.com/competition-overview)

Knowledge Exchange Fellow: Environmental Response to Hydrogen Emissions

Apply for funding to be a knowledge exchange (KE) fellow supporting the projects funded in the environmental response to hydrogen emissions programme.

Organisations must focus on accelerating and amplifying impact throughout the cycle of the programme, by engaging and working with a range of stakeholders, partners and user communities.


Organisations can receive up to £250,000 of funding towards the fellowship. NERC will fund 100% of the full direct costs.

 **Funding Organisation:** Natural Environment Research Council (NERC) and BEIS

 **Total Fund:** £250,000

 **Opening Date:** 1st August 2022

 **Closing Date:** 13th October 2022

 **More information can be found at:** [Knowledge exchange fellow: environmental response to hydrogen emissions – UKRI](https://www.ukri.org/funding/knowledge-exchange-fellow-environmental-response-to-hydrogen-emissions)



New this Issue:

Carbon Capture, Usage and Storage (CCUS) Innovation 2.0 Competition: Call 2

Lot 3 (up to £50,000 Grant Funding for Next Generation Carbon Capture Technology Feasibility Studies)

Up to £7.3million in grant funding is available for Call 2 of the CCUS Innovation 2.0 programme. This is divided into three lots:

- **Now closed:** Lot 1, up to £1.8 million, Mid Stage CCUS innovation: for projects developing and piloting mid-stage CCUS innovation currently at TRL 3-5. For Lot 1, BEIS will consider grant applications of up to £1 million.

- **Now Closed:** Lot 2, up to £5.0 million, Late Stage CCUS innovation: for projects developing late-stage CCUS innovation currently at TRL 6-8. For Lot 2, BEIS will consider grant applications of up to £5 million.
- Lot 3, up to £500,000, Next Generation Carbon Capture Technology feasibility studies: for industrial, waste or power site owners to analyse Next Generation Carbon Capture Technologies currently at TRL 3-8, to understand their feasibility for deployment at one of their UK-based sites. For Lot 3, BEIS will consider grant applications of up to £50,000.



Funding Organisation: BEIS



Total Fund for Lot 3: £500,000



Opening Date: Lot 3 Currently Open



Closing Date of Intent to Apply via Email: 3rd October 2022



Closing Date for Submitting Application: 2nd December 2022 at 11am



More information can be found at: [Carbon Capture, Usage and Storage \(CCUS\) Innovation 2.0 competition: call 2 - GOV.UK \(www.gov.uk\)](https://www.gov.uk/government/consultations/carbon-capture-usage-and-storage-ccus-innovation-20-competition-call-2)

New this Issue:

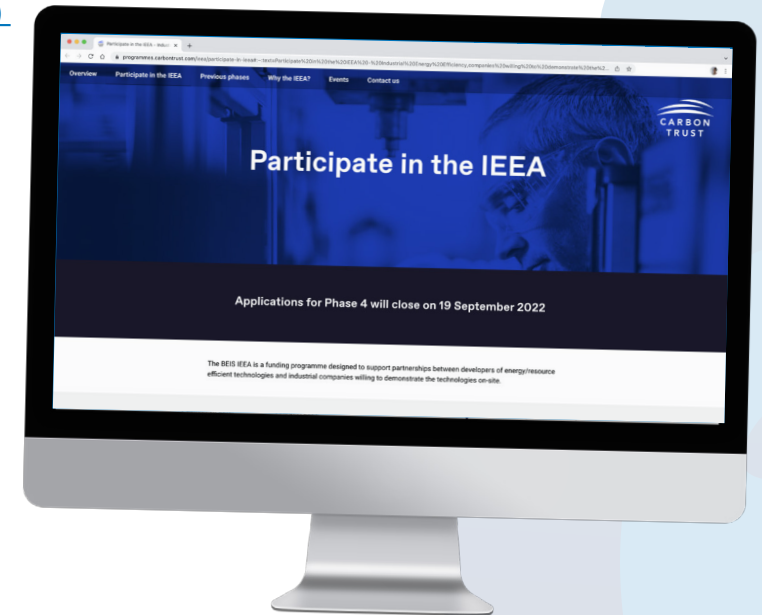
Industrial Energy Efficiency Accelerator (IEEA)

The Department for Business, Energy & Industrial Strategy (BEIS) IEEA is supported through its Net Zero Innovation Portfolio and funds industrial scale demonstrations of novel technologies with the potential to reduce energy consumption, maximise resource efficiency and cut carbon emissions.

It is designed to support partnerships between developers of efficient technologies and industrial companies willing to trial innovations on-site. It is open to projects from all UK industry sectors that can demonstrate either a novel technology (targeting Technology Readiness Level 5-8), or the use of an established technology in a novel way.

-  **Funding Organisation:** BEIS
-  **Total Fund:** £8,000,000
-  **Opening Date:** 19th May 2022
-  **Closing Date:** 19th September 2022

More information can be found at:
[Participate in the IEEA - Industrial Energy Efficiency Accelerator \(IEEA\)](https://carbontrust.com/participate-in-the-ieea)
carbontrust.com



New this Issue:


Knowledge Transfer Partnerships (KTP): 2022 to 2023 Round 3


UK registered academic institutions, RTOs or Catapults can apply for a share of up to £9 million to fund innovation projects with businesses or not for profits.

 **Funding Organisation:** Innovate UK

 **Total Fund:** £9,000,000

 **Opening Date:** 27th June 2022

 **Closing Date:** 14th September 2022

 **More information can be found at:** [Competition overview - Knowledge transfer partnerships \(KTP\): 2022 to 2023 Round 3 - Innovation Funding Service \(apply-for-innovation-funding.service.gov.uk\)](https://www.innovation-funding.service.gov.uk/competition-overview/knowledge-transfer-partnerships-ktp-2022-to-2023-round-3)


Innovation Loans Future Economy Competition: Round 5

Innovate UK is offering up to £25 million in loans to micro, small and medium sized enterprises (SMEs). Loans are for highly innovative late stage research and development (R&D) projects with the best potential for the future.


There should be a clear route to commercialisation and economic impact.


Projects must lead to new products, processes or services that are significantly ahead of others currently available or propose an innovative use of existing products, processes or services. It can also involve a new or innovative business model.

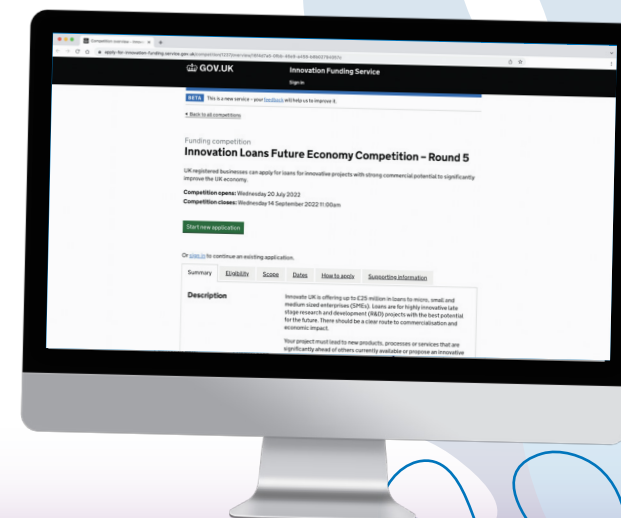
 **Funding Organisation:** Innovate UK

 **Total Fund:** £100,000 - £2,000,000

 **Opening Date:** 20th July 2022

 **Closing Date:** 14th September 2022

 **More information can be found at:** [Competition overview - Innovation Loans Future Economy Competition - Round 5 - Innovation Funding Service \(apply-for-innovation-funding.service.gov.uk\)](https://www.innovation-funding.service.gov.uk/competition-overview/innovation-loans-future-economy-competition-round-5)



New this Issue:

Industrial Energy Transformation Fund (IETF) Phase 2: Summer 2022

IETF Phase 2: Summer 2022 provides up to £70 million of grant funding for the following project types:

- **Studies** - feasibility and engineering studies to enable companies to investigate identified energy efficiency and decarbonisation projects prior to making an investment decision
- **Energy efficiency** - deployment of technologies to reduce industrial energy consumption
- **Deep decarbonisation** - deployment of technologies to achieve industrial emissions savings

 **Funding Organisation:** BEIS

 **Total Fund:** £70,000,000



Opening Date: 16th July 2022



Closing Date: 9th September 2022



More information can be found at:
[Industrial Energy Transformation Fund \(IETF\) Phase 2: Summer 2022 - how to apply - GOV.UK \(www.gov.uk\)](#)

SBRI: MRV Tools and Techniques for Land Based Greenhouse Gas Removal, Phase 1

This is a [Small Business Research Initiative](#) (SBRI) competition funded by Innovate UK as part of the Strategic Priorities Fund (SPF) [Greenhouse Gas Removal Demonstrators programme](#).

The aim of the competition is to deliver innovative monitoring, reporting and verification (MRV) tools, technologies and techniques that assess the effectiveness,

integrity and longevity of land based greenhouse gas removal. The results of which will increase the credibility, confidence and uptake of land based greenhouse gas removal techniques.



Funding Organisation: Innovate UK



Total Fund: £375,000



Opening Date: 27th June 2022



Closing Date: 7th September 2022 at 11am



More information can be found at:
[Competition overview - SBRI: MRV tools and techniques for land based greenhouse gas removal, phase 1 - Innovation Funding Service \(apply-for-innovation-funding.service.gov.uk\)](#)

New this Issue:

APC22: Industrialising Net-Zero Automotive Technology


The Advanced Propulsion Centre (APC) provides funding, support and insight for the development of low carbon and net zero automotive technologies. It aims to support the UK's transition towards net zero product manufacturing and supply chain in the UK automotive sector.

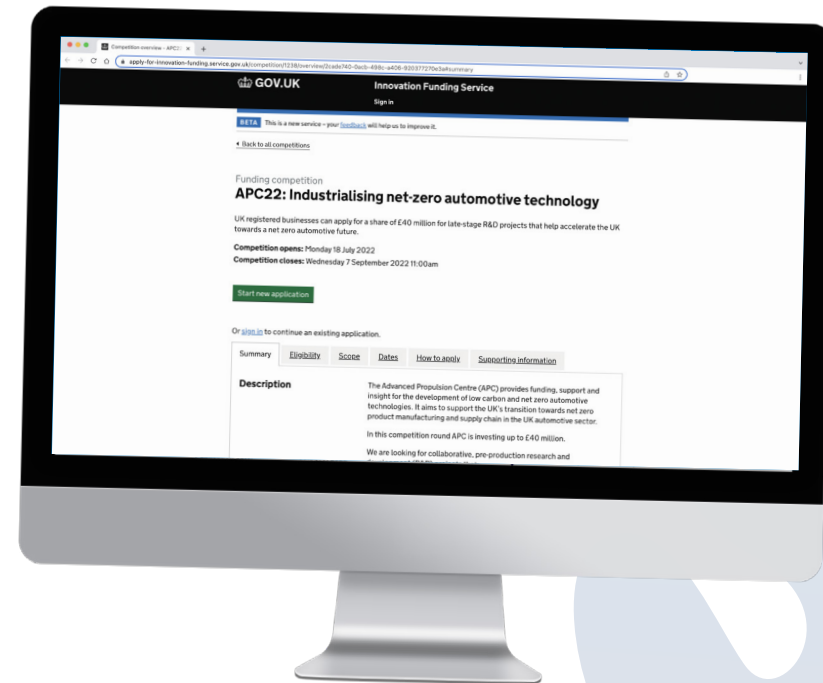
 **Funding Organisation:** Advanced Propulsion Centre (APC)

 **Total Fund:** £40,000,000

 **Opening Date:** 18th July 2022

 **Closing Date:** 7th September 2022 at 11am

 **More information can be found at:**
[Competition overview - APC22: Industrialising net-zero automotive technology - Innovation Funding Service \(apply-for-innovation-funding.service.gov.uk\)](#)



While there is still time:



Faraday Battery Challenge: Round 5 Feasibility Studies

Innovate UK, part of UK Research and Innovation, will invest up to £25 million in innovation projects across the two strands of this competition. This funding is from the Faraday Battery Challenge (FBC).

The aim of this competition is to:

- Support business-led research and development of sustainable propulsion batteries
- Support technologies with the potential to enter the automotive market within the next 15 years and, where appropriate, allow for early or synergistic entry into other sectors
- Move UK battery innovations from technological potential towards commercial capability
- Develop and secure material and manufacturing supply chains for battery technologies in the UK



Funding Organisation: Innovate UK



Total Fund: £25,000,000



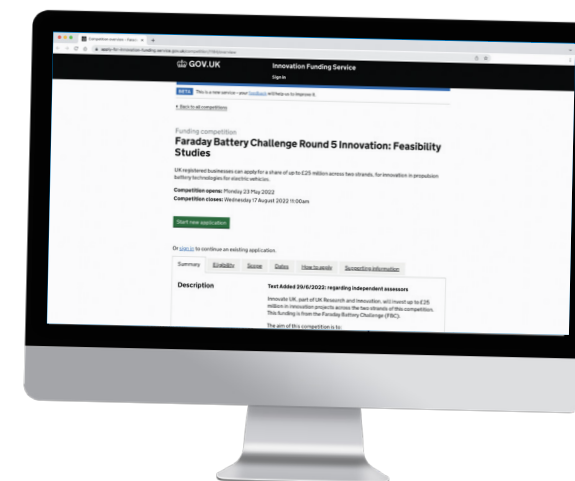
Opening Date: 23rd May 2022



Closing Date: 17th August 2022 at 11am



More information can be found at: [Competition overview - Faraday Battery Challenge Round 5 Innovation: Feasibility Studies - Innovation Funding Service \(apply-for-innovation-funding.service.gov.uk\)](#)



While there is still time:



Faraday Battery Challenge: Round 5 CR&D

UK registered businesses can apply for a share of up to £25 million across two strands, for innovation in propulsion battery technologies for electric vehicles.

This is the collaborative research and development (CR&D) strand.

-  **Funding Organisation:** Innovate UK
-  **Total Fund:** £25,000,000
-  **Opening Date:** 23rd May 2022
-  **Closing Date:** 17th August 2022 at 11am
-  **More information can be found at:** [Competition overview - Faraday Battery Challenge Round 5 Innovation: CR&D - Innovation Funding Service \(apply-for-innovation-funding.service.gov.uk\)](#)

Automotive Transformation Fund Expression of Interest: Round 24

UK registered businesses can apply for a share of up to £1 billion for capital centric investment projects that help industrialise the electrified automotive supply chain at scale in the UK.

-  **Funding Organisation:** [Automotive Transformation Fund](#) (ATF)
-  **Total Fund:** £1,000,000,000
-  **Opening Date:** 25th July 2022
-  **Closing Date:** 17th August 2022 at 11am
-  **More information can be found at:** [Competition overview - Automotive Transformation Fund Expression of Interest: Round 24 - Innovation Funding Service \(apply-for-innovation-funding.service.gov.uk\)](#)



Coming Soon...

Pre-announcement: Design Exchange Partnerships: Design the Green Transition


Apply for funding to develop design-based solutions for specific net zero and climate crisis challenges facing UK coastal and island communities.


Your project could focus on:

- Decarbonisation
- Environmental sustainability
- Climate mitigation
- The circular economy
- The reduction of waste

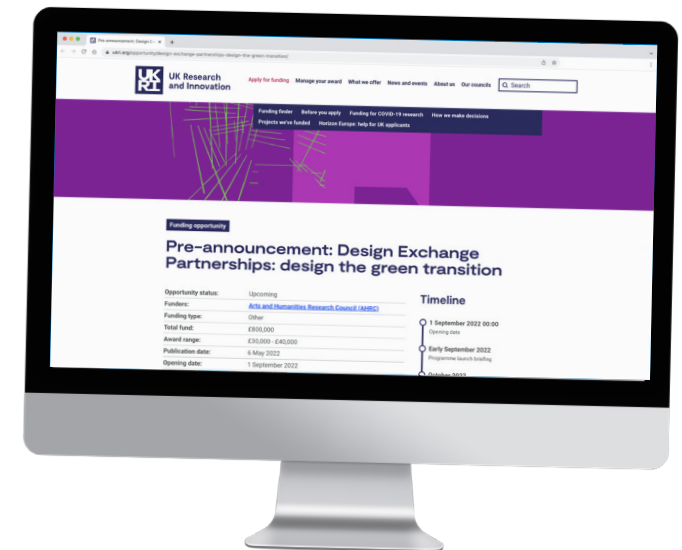
 **Funding Organisation:** Arts and Humanities Research Council (AHRC)

 **Total Fund:** £800,000

 **Opening Date:** 1st September 2022

 **Closing Date:** 30th November 2022

 **More information can be found at:**
[Pre-announcement: Design Exchange Partnerships: design the green transition – UKRI](#)






Successful Bids

Catagen

Northern Ireland based company CATAGEN have done it again, it's 5 out of 5 awards under the BEIS Net Zero Innovation Portfolio.

The Belfast-based company has successfully developed a range of net zero technologies focused on cleaning and decarbonising the air, as part of its mission to deliver greener and healthier environments. Air pollution remains the biggest environmental threat to health in the UK, causing more than 30,000 deaths every year.

In the last year alone, the company has successfully patented five new technologies, including a novel production method to sustainably create Bio-Hydrogen from a biomass source. The production of hydrogen from sustainable biomass and waste represents a key hurdle in the realisation of a green hydrogen economy, with cost, technological and operational challenges to address. The proposed CATAGEN solution has the potential to produce renewable bio-hydrogen from waste biomass with cost and emissions efficiencies.

 **More information can be found at:** [CATAGEN receives government backing to develop technology to produce Bio-Hydrogen at industrial scale - Catagen](#)



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