

# 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](mailto:HydrogenAdvancedTechnologiesBranch@economy-ni.gov.uk)**



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 with this Issue:

## Industrial Energy Transformation Fund (IETF) Phase 2: Spring 2022

**Phase 2 of the IETF provides grant funding for feasibility and engineering studies, and for the deployment of industrial energy efficiency and deep decarbonisation projects.**

IETF Phase 2: Spring 2022 opened to applications on 31 January 2022 and provides up to £60 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:** £60,000,000



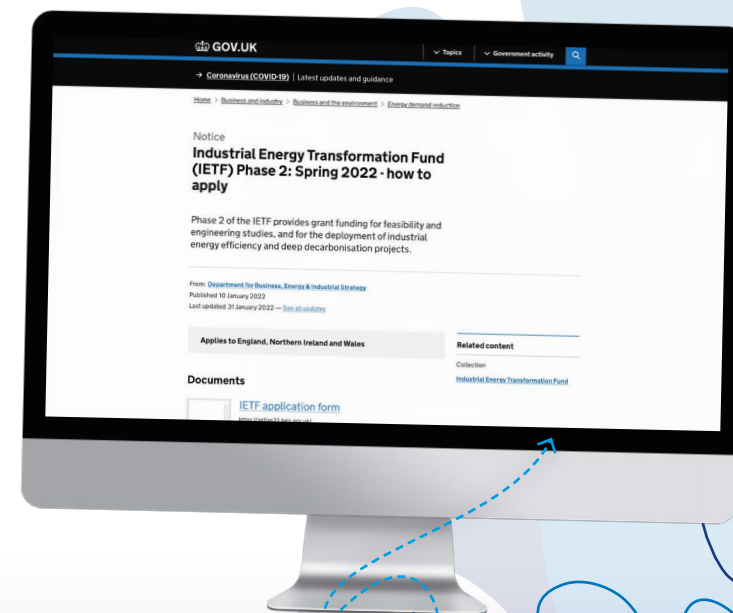
**Open Date:** Monday 31st January 2022



**Closing Date:** 29th April 2022 at 3pm



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



# While there is still time:



## Innovate UK Smart grants: Jan 2022

UK registered organisations can apply for a share of up to £25million for game-changing and commercially viable R&D innovation that can significantly impact the UK economy. This funding is from Innovate UK, part of UK Research and Innovation.

Applications can come from any area of technology and be applied to any part of the economy, such as, but not exclusively:

- net zero
- health and wellbeing
- technologies
- the arts, design and media



**Funding Organisation:** Innovate UK



**Total Fund:** £25,000,000



**Opening Date:** 17th January 2022



**Closing Date:** 13th April 2022



**More information can be found at:**

[Competition overview - Innovate UK Smart Grants: January 2022 - Innovation Funding Service \(apply-for-innovation-funding.service.gov.uk\)](#)

# While there is still time:



## Hydrogen BECCS Innovation Programme

The Hydrogen BECCS Innovation Programme will support technologies which can produce hydrogen from biogenic feedstocks and be combined with carbon capture. It forms part of the BEIS £1 billion [Net Zero Innovation Portfolio](#), which aims to accelerate the commercialisation of innovative clean energy technologies and processes through the 2020s and 2030s.

The programme will run in 2 phases. Phase 1 (total budget £5 million) will support multiple projects to scope and develop a feasible prototype demonstration project to be run in Phase 2.

Through a pre-commercial, fully funded procurement Small Business Research Initiative (SBRI), this programme aims to support innovative Hydrogen BECCS technology solutions across 3 categories:


1. Feedstock pre-processing: the development of low cost, energy and material efficient technologies which will optimise biogenic (including biomass and waste) feedstocks for use in advanced gasification technologies.

2. Gasification components: the development of advanced gasification technology components focusing on improving syngas quality and upgrading for generation of hydrogen.
3. Novel biohydrogen technologies: the development of novel biohydrogen technologies which can be combined with carbon capture, such as dark fermentation, anaerobic digestion, waste water treatment.

 **Funding Organisation:** BEIS

 **Total Fund:** £5,000,000

 **Registration information:** Register by 12 noon, 4 March 2022, to access the Phase 1 application form.

 **Closing Date:** 11th March, 12 noon

 **More information can be found at:**  
[Hydrogen BECCS Innovation Programme - GOV.UK \(www.gov.uk\)](https://www.gov.uk)

# While there is still time:



## Automotive Transformation Fund Feasibility Studies: Round 3

The Automotive Transformation Fund is delivered by the Advanced Propulsion Centre (APC) and partners, Innovate UK, the Department for Business, Energy and Industrial Strategy (BEIS) and Department for International Trade (DIT). It supports the industrialisation at scale of a high-value electrified automotive supply chain in the UK.

APC is seeking proposals from single organisations or consortiums for business case feasibility studies up to the value of £1 million.

These feasibility studies must produce a decision-ready business case, in preparation for projects which will develop large scale manufacturing facilities in the UK.

The resulting projects must support the UK automotive industry in:

- increasing business confidence in making large scale manufacturing investments
- building electrified vehicle supply chains



**Funding Organisation:** Innovate UK



**Total Fund:** £10,000,000



**Opening Date:** 24th January 2022



**Closing Date:** 9th March 2022 at 11am



**More information can be found at:**

[Competition overview - Automotive Transformation Fund Feasibility Studies: Round 3 - Innovation Funding Service \(apply-for-innovation-funding.service.gov.uk\)](#)

# While there is still time:



## APC 20: Developing automotive technologies and growing capability towards net zero

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.

In this competition round APC is investing up to £25 million.

They are looking for collaborative, pre-production research and development (R&D) projects that:

- support the UK's long-term capabilities by securing long term R&D investment
- achieve through the associated supply chain, the design, build and manufacture of zero carbon tailpipe emission vehicles

Projects must look to fulfil both these criteria to ensure the UK meets the future demand of vehicle-makers.



**Funding Organisation:** Innovate UK



**Total Fund:** £25,000,000



**Opening Date:** 12th January 2022



**Closing Date:** 2nd March 2022 at 11am



**More information can be found at:**

[Competition overview - APC 20: Developing automotive technologies and growing capability towards net zero - Innovation Funding Service \(apply-for-innovation-funding.service.gov.uk\)](#)

# While there is still time:




## Automotive Transformation Fund: Expression of Interest Round 18

The [Automotive Transformation Fund \(ATF\)](#) is an **Advanced Propulsion Centre (APC)** programme that aims to establish a **competitive and sustainable UK supply chain**.


It offers a share of up to £1billion of funding for capital and associated industrial research projects. This will be to support the industrialisation of a high value, electrified automotive supply at scale in the UK.


This is an expression of interest (Eoi) competition, which is the first stage in a two stage process.

 **Funding Organisation:** Innovate UK

 **Total Fund:** £1,000,000,000

 **Opening Date:** 24th January 2022

 **Closing Date:** 16th February 2022

 **More information can be found at:**  
[Competition overview - Automotive Transformation Fund Expression of Interest: Round 18 - Innovation Funding Service \(apply-for-innovation-funding.service.gov.uk\)](#)


## Heat Pump Ready Programme: apply for Stream 1 opportunities

The **Heat Pump Ready Programme** supports the development of **innovative solutions across the heat pump sector**. Heat pumps are a key solution for decarbonising homes and will be critical for meeting the UK's commitment to achieve net zero by 2050.

Stream 1 of this programme supports the deployment of heat pumps through the development and trial of innovative solutions and methodologies for the optimised deployment of domestic heat pumps, at high-density, in the UK.

 **Funding Organisation:** BEIS

 **Total Fund:** £30,000,000

 **Closing Date:** 22nd February 2022 at 2pm

 **More information can be found at:**  
[Heat Pump Ready Programme: apply for Stream 1 opportunities - GOV.UK \(www.gov.uk\)](#)



# While there is still time:




## Heat Pump Ready Programme: apply for Stream 2 opportunities

The Heat Pump Ready Programme supports the development of innovative solutions across the heat pump sector. Heat pumps are a key solution for decarbonising homes and will be critical for meeting the UK's commitment to achieve net zero by 2050.

Stream 2 of the programme supports the development and demonstration of heat pump technologies and tools, and solutions for optimised deployment of heat pumps

 **Funding Organisation:** BEIS

 **Total Fund:** £25,000,000

 **Closing Date:** 15th February 2022 at 2pm

 **More information can be found at:**  
[Heat Pump Ready Programme: apply for Stream 2 opportunities - GOV.UK \(www.gov.uk\)](https://www.gov.uk)

## Heat Pump ready Programme: Stream 3: Trial Support and learning


BEIS is seeking a provider who will support its future Net Zero Innovation Portfolio Heat Pump Ready Programme, be responsible for supporting the Stream 1 trials, and be responsible for facilitating knowledge sharing within and outside the programme and for facilitating knowledge transfer with other NZIP and associated projects.

 **Funding Organisation:** BEIS

 **Contract Value:** £5,000,000

 **Opening Date:** 17th January 2022

 **Closing Date:** 7th March 2022

 **More information can be found at:**  
[Heat Pump Ready Programme - Stream 3: Trial Support and Learning - Contracts Finder](#)

# While there is still time:



## Build a network to research sustainable agri-food for net zero

**Apply for funding to develop a research network that will focus on improving the sustainability of the agri-food system.**

Organisations must be:


- based at an eligible UK-based organisation
- working in a science discipline.

Co-investigators can be from any discipline.

Your network is expected to:


- focus on improving the sustainability of the agri-food system to reduce greenhouse gas emissions
- build new interdisciplinary partnerships across the UKRI portfolio
- be informed by stakeholders
- develop plans for future research and innovation.


The full economic cost of your network can be up to £5 million. We will fund 80% of the full economic cost.

 **Funding Organisation:** Biotechnology and Biological Sciences Research Council (BBSRC), Engineering and Physical Sciences Research Council (EPSRC), Economic and Social Research Council (ESRC), Natural Environment Research Council (NERC), UK Research and Innovation.

 **Total Fund:** £5,000,000

 **Opening Date:** 20th September 2021

 **Closing Date:** 17th February 2021 at 4pm

 **More information can be found at:**  
[Build a network to research sustainable agri-food for net zero](#)  
– UKRI

# While there is still time:



## Industrial Energy Efficiency Accelerator


The BEIS IEEA is a funding programme designed to support partnerships between developers of energy/resource efficient technologies and industrial companies willing to demonstrate the technologies on-site.

The programme is open to projects from all UK industry sectors that can demonstrate either a novel process technology (targeting Technology Readiness Level 5-8), or the use of an established process technology in a novel way. A total of £8 million in funding will be available through the programme to fund demonstration projects.

 **Funding Organisation:** BEIS

 **Total Fund:** £8,000,000

 **Closing Date:** 14th February 3pm

 **More information can be found at:**  
[Participate in Phase 3 of the IEEA - Industrial Energy Efficiency Accelerator \(IEEA\) \(carbontrust.com\)](https://www.carbontrust.com/participate-in-phase-3-of-the-ieea-industrial-energy-efficiency-accelerator)

## Knowledge Transfer Partnership

Knowledge Transfer Partnerships help businesses to partner with an academic organisation, research organisation or a Catapult, to employ a graduate with the skills and knowledge that can help the business to innovate and grow.

 **Funding Organisation:** Innovate UK, Arts and Humanities Research Council (AHRC), Biotechnology and Biological Sciences Research Council (BBSRC), Economic and Social Research Council (ESRC), Engineering and Physical Sciences Research Council (EPSRC), Natural Environment Research Council (NERC), Science and Technology Facilities Council (STFC).

 **Closing Date:** No Closing date

 **More information can be found at:**  
[Knowledge Transfer Partnership - UKRI](#)



# Look what's coming:

## Green Innovation Challenge Fund 2022

**Economy Minister Gordon Lyons will soon be announcing new support for Northern Ireland companies developing innovative low carbon technologies that will place Northern Ireland at the forefront of the energy transition. The £4.5m fund is part of the Executive's Economic Recovery Action Plan and will be administered by the Centre for Advanced Sustainable Energy at Queens.**

It aims to stimulate a broad range of projects covering areas such as energy system design, the decarbonisation of marine and aviation, the built environment and hard to treat industrial sectors. This fund will bring together innovative firms with academic experts to solve the challenges of moving to net zero, while delivering growth and jobs for Northern Ireland.

Lessons learnt will be used to develop a larger fund for roll out later in 2022, one of the actions from the recently published 22-point Action Plan for the Path to Net Zero Energy.



# Did you know???

## The UK-Catalyst Partnership

**At the 2021 Global Investment Summit, Prime Minister Boris Johnson and Bill Gates, the Founder of Breakthrough Energy, announced a new partnership to mobilize public and private funding in emerging climate technology projects located in the United Kingdom. The UK-Catalyst Partnership expects to mobilize up to £400 million between 2022 and 2027 to drive investment into the next generation of emerging climate technologies that will help meet UK's net zero target by 2050 and decrease the cost of decarbonisation.**

To operationalize this collaboration, Breakthrough Energy Catalyst (Catalyst) has launched an RFP to identify and select emerging climate technology projects based in the United Kingdom for project-level financing.

Catalyst invites responses from projects located in the United Kingdom across the following four technology sectors:

- Clean hydrogen
- Direct air capture
- Long duration energy storage
- Sustainable aviation fuel

**More information can be found at:**

[UK Request for Proposals \(breakthroughenergy.org\)](https://breakthroughenergy.org)