

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



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:

Hydrogen BECCS Innovation Programme

The £5m Hydrogen BECCS Innovation Programme Phase 1 will form part of BEIS's 'Net Zero Innovation Portfolio'. The programme will support technologies with the potential to produce hydrogen from biogenic feedstocks while capturing carbon dioxide (CO₂).

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

1. Gasification feedstock pre-processing: The development of low cost, energy & material efficient pre-processing technologies for biogenic (including biomass and waste) feedstocks to be used in advanced gasification processes.

2. Syngas treatment & upgrading: The improvement of syngas treatment and upgrading components for hydrogen with carbon capture.

3. Other biohydrogen technologies: The development of novel biohydrogen technologies which can be combined with carbon capture. e.g. dark fermentation, anaerobic digestion, waste water treatment

BEIS is looking to conduct this SBRI under two phases: Phase 1 - feasibility of innovation, and Phase 2 - innovation demonstration (to be confirmed) with a down-selection process between phases.

The competition for Phase 1 of the programme is scheduled to launch with the publication of an Invitation to Tender (ITT) in January 2022, with successful projects beginning in Spring 2022.



Funding Organisation: BEIS



Total Fund: £5,000,000



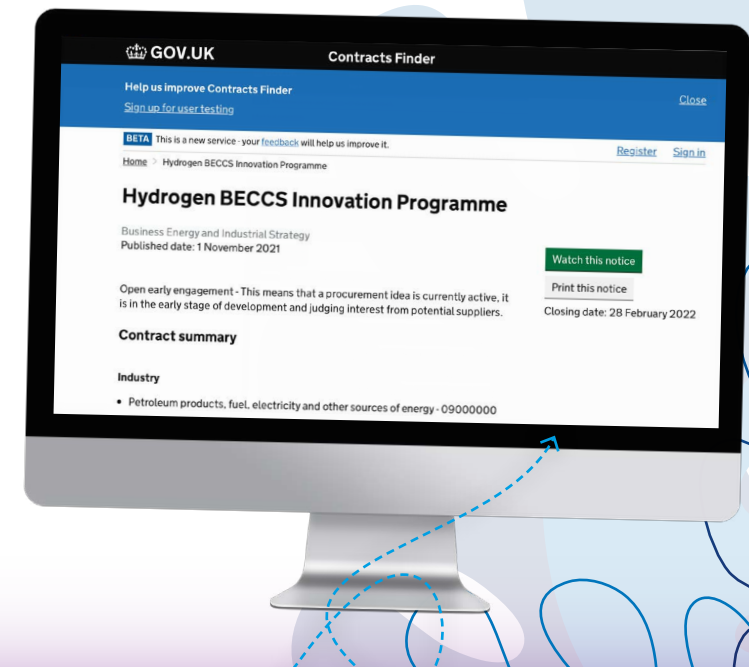
Opening Date: 1st November 2021



Closing Date: 28th February 2022



More information can be found at: [Hydrogen BECCS Innovation Programme - Contracts Finder](#)



New with this Issue:

Made Smarter Innovation: Sustainable Smart Factory

UK registered businesses and organisations can apply for a share of up to £20m for digital innovation projects that will improve the resource efficiency and energy efficiency of manufacturing processes in factories.

The aim of this competition is to develop digital innovations to improve the sustainability of manufacturing processes. This must result in either reduced material or reduced energy consumption.

Proposals must deliver sustainable solutions through applying digital technology development to manufacturing processes within a production facility.

Your project must focus on developing digital solutions to:

- reduce the amount of waste or other in-process material losses through the manufacturing steps
- reduce the energy consumed by a manufacturing process
- better sequence or schedule the manufacturing operations to reduce material or energy consumption
- better separate waste materials to facilitate material reuse

 **Funding Organisation:** Innovate UK

 **Total Fund:** £1,000,000 to £8,000,000

 **Opening Date:** 1st November 2021

 **Closing Date:** 26th January 2022

 **More information can be found at:** [konfer](https://www.konfer.com)



New with this Issue:

Automotive Transformation Fund Expression of Interest: Round 17

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: Automotive Transformation Fund



Total Fund: £1,000,000,000



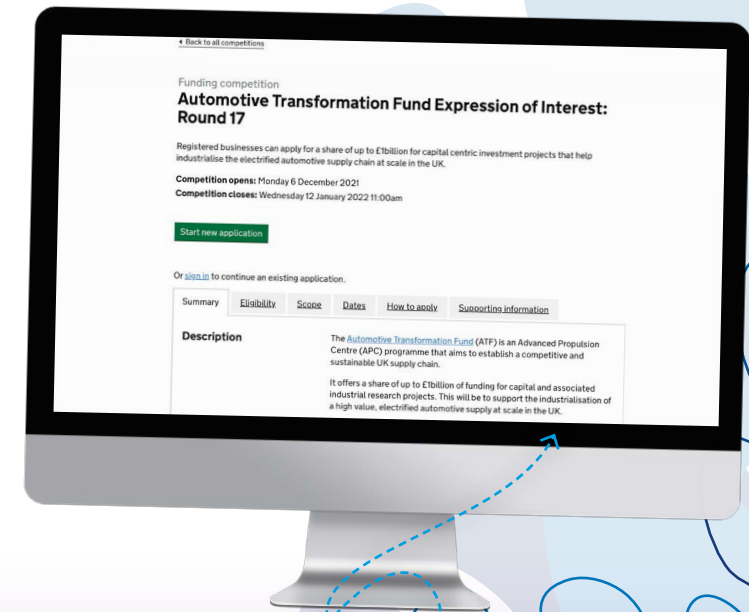
Opening Date: 6th December 2021



Closing Date: 12th January 2022



More information can be found at: [Competition overview - Automotive Transformation Fund Expression of Interest: Round 17 - Innovation Funding Service \(apply-for-innovation-funding.service.gov.uk\)](#)



New with this Issue:

NATEP helping SMEs innovate in aerospace - Autumn 2021

UK registered businesses can apply for a share of up to £2.5 million to carry out industry-led civil aerospace collaborative R&D projects. This funding is from the ATI Programme.

The aim of this competition is to help SMEs to develop their own innovative technologies.

These should enhance their capabilities and increase their ability to win new business in the civil aerospace sector.



Funding Organisation: Innovate UK



Total Fund: £2.5 Million



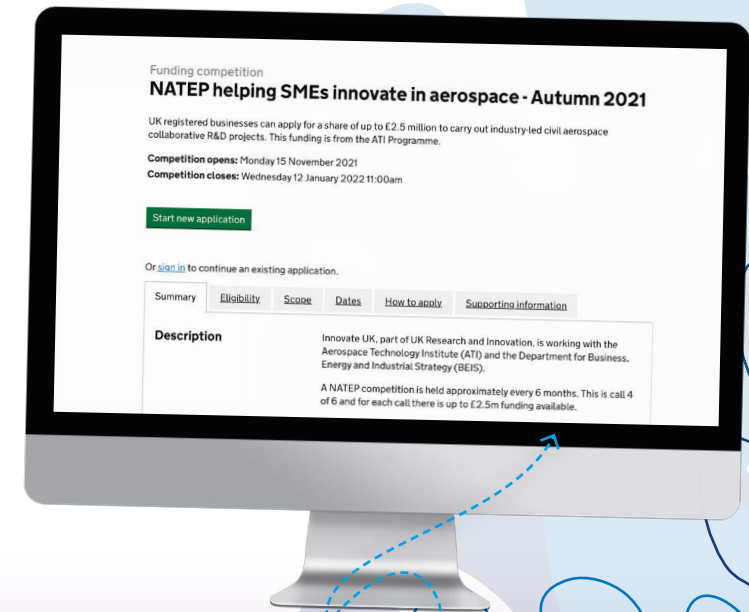
Opening Date: Monday 15th November 2021



Closing Date: Wednesday 12th January 2022 at 11am



More information can be found at:
[Competition overview - NATEP helping SMEs innovate in aerospace - Autumn 2021 - Innovation Funding Service \(apply-for-innovation-funding.service.gov.uk\)](#)



While there is still time:



Innovate UK smart grants: October 2021

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:

- the arts, design and media
- creative industries
- science or engineering

 **Funding Organisation:** Innovate UK

 **Total Fund:** £25,000,000

 **Opening Date:** 7th October 2021


 **Closing Date:** 5th January 2022

 **More information can be found at:**
[Competition overview - Innovate UK Smart Grants: October 2021 - Innovation Funding Service \(apply-for-innovation-funding.service.gov.uk\)](#)

The BEIS Industrial Energy Efficiency Accelerator (IEEA) - phase 3

A total of £8 million in funding will be available to fund industrial scale demonstrations of novel technologies with the potential to reduce energy consumption, maximise resource efficiency and cut carbon emissions.

 **Funding Organisation:** Carbon Trust

 **Total Fund:** £150,000 to £1,000,000

 **Opening Date:** 1st November 2021

 **Closing Date:** 3rd January 2022

 **More information can be found at:**
[konfer](#)

While there is still time:



Driving the Electric Revolution – PEMD (Power Electronics, Machines and Drives) Skills Hub

Innovate UK's [Driving the electric revolution challenge](#) will invest up to £1 million in a single project to create a Power Electronic, Machines and Drives (PEMD) skills hub. This is to support the challenge aims of creating world leading supply chains and expertise for the manufacture of PEMD in the UK.

The aim of this competition is to establish the hub as a lasting 'platform' that will connect training and education course providers with employers and learners. The hub will be accessible to new learners, professionals already working in PEMD, and those wanting to develop expertise in specialist areas.

The hub will impartially curate, organise and host a range of innovative and traditional courses that meets industry needs and encourages the community to share PEMD skills.

The funding will support:

- the development of the platform for the hub
- the development of a cohesive UK PEMD skills community
- operational costs for up to 36 months to enable the hub to become established

The hub must operate for at least 10 years in total from the date of the funding agreement being signed.



Funding Organisation: Innovate UK



Total Fund: £1,000,000



Opening Date: 15th November 2021



Closing Date: 15th December 2021



More information can be found at:
[konfer](#)




Successful Bids

Northern Ireland's success with the UK Community Renewal Fund UKCRF

The £220 million UK Community Renewal Fund provides funding to help places across the UK prepare for the introduction of the UK Shared Prosperity Fund. Contributing to the levelling up agenda by investing in people, places, businesses and communities improving everyday life across the UK.


We are delighted to announce that NI has been successful in a number of bids put forward in the UKCRF. 31 projects throughout Northern Ireland have secured over £12 million in funding.

 **More information can be found at:** [UK Community Renewal Fund: successful bids - GOV.UK \(www.gov.uk\)](http://www.gov.uk)

£400k for Northern Ireland Green Seas consortium

The Northern Ireland Green Seas consortium project is led by Power NI, part of the Energia Group, in collaboration with local partners Belfast Harbour, Artemis Technologies, NIE Networks, Ulster University, Queen's University Belfast and global engineering firm, Mott MacDonald.

The consortium has been awarded £398,096 by the UK Department of Transport to investigate ways to decarbonise maritime transport in Northern Ireland. This will be through using zero-emission shore-side electricity and hydrogen-powered vessels as part of the UK's goal to achieve Net Zero by 2050.

 **More information can be found at:** [£400k for Northern Ireland Green Seas consortium · BUSINESSFIRST \(businessfirstonline.co.uk\)](http://businessfirstonline.co.uk)


Zero-emissions plan for crew transfer vessels wins Clean Maritime funding

A study, led by high-performance maritime design and applied technologies company Artemis Technologies has been awarded £533,000 to investigate transformative solutions to decarbonise crew transfer vessel (CTV) operations in the offshore wind sector.

The grant, announced at London International Shipping Week, has been awarded as part of the [Clean Maritime Demonstration Competition](#) funded by the Department for Transport and delivered in partnership with Innovate UK.

Artemis Technologies is partnering with Tidal Transit, an experienced CTV owner and operator; ORE Catapult, a research technology organisation specialising in the offshore renewables sector; and Lloyd's Register, a globally respected maritime classification society.

It will seek to demonstrate the transformative power of the revolutionary Artemis eFoiler™ electric propulsion system to drive down carbon emissions in global CTV operations.

 **More information can be found at:** [Zero-emissions CTV plan wins Clean Maritime funding | ATL \(lighthouseni.com\)](http://lighthouseni.com)