

Title of call: Small Grant Funding for the Manufacturing Sector for Innovation in Heating and Cooling, Zero Emissions Mobility and Hydrogen

Area: Scotland

Suitable for: SMEs

Funding size: £10,000 (30% In-Kind Contribution)

Closing date: 17:00 Friday 30th November 2021

Background

The Energy Technology Partnership (ETP) is the Scottish academic research pool in energy, an autonomous alliance of 13 independent Scottish Higher Education Institutions providing world-class capability and resources in energy RD&D, supported and co-funded by the Scottish Funding Council.

Ceed (Centre for Engineering, Education and Development, supports a community of practice with its roots in manufacturing and engineering across Scotland. Ceed's role is to bring together this community and provide support for the very real challenges that members face daily.

With COP26 just around the corner, Ceed is partnering with the ETP to help the ETP reach out to the manufacturing community in Scotland and address some of the major challenges facing Scotland as it transitions towards a net-zero economy by promoting ETP Innovation funding of up to £10,000 to the manufacturing sector. This grant funding is made available from the Scottish Government, Scottish Enterprise, Highlands and Islands Enterprise and the 2014-2020 European Structural and Investment Fund.

The ETP is seeking applications from Scottish SMEs for small projects of 3-6 months duration in the following areas:

- Heating and cooling technologies
- Hydrogen
- Zero-emissions mobility

Scope of Call

Up to £10k of funded support is available to SMEs to work with a Scottish University Partner to advance the development of a low carbon prototype product/service that demonstrates its commercial potential in helping Scotland to decarbonise emissions and grow its green economy.

Projects can focus on developing innovative solutions that address one or more of the following systemic challenges:

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The Advancing Manufacturing Cluster Builder is part-funded by the 2014–2020 European Structural and Investment Fund.

- Low-carbon heating and cooling production technologies
- Affordable heat: Technologies aimed at reducing the burden of fuel-poverty in Scottish households
- Thermal energy storage
- Technologies that afford greater energy efficiency and waste reduction thus reducing the need for heat
- Low cost, volume manufacturing of affordable storage of Hydrogen at scale
- Light weighting of materials for static storage systems
- Technology transfer with regard to the storage and use of hydrogen
- Any other application relating to hydrogen production
- Development of zero emission vehicles. This includes components and sub-systems.
- Retrofitting technologies that reduce their carbon emissions of fleets of ICE vehicles.
- Improving the availability and performance of vehicle infrastructure (facilities for maintaining, hosting, fuelling, charging, and servicing vehicles).
- Improving the performance of zero emission fuel technologies including batteries, hydrogen, and biofuels.
- Improving vehicle heating and cooling systems to maximise energy conversation and utilisation.
- Development of software that helps to optimise the movement of passenger and goods vehicles in urban and rural locations.

How to apply

Applicants should submit an Expression of Interest (EoI) that outlines in no more than 100 words:

- What their potential project idea is
- Who it is targeting (e.g., The customer/end users)
- How this funding will help to advance the idea.
- How it will support the Scottish Government in helping to achieve net zero carbon emission in the transport sector.

Who can apply? Eligibility Criteria

You can submit an expression of interest if your business meets the following eligibility criteria.

- Registered Scottish Small & Medium Size Enterprises (SMEs) or a UK registered SME which has an autonomous Scottish facility. A SME is defined

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as a business that employs between 1-249 people with a turnover of up to 50m Euros or a balance sheet of up to 43m Euros.

- Your project idea represents an advance in low carbon technological innovation.
- Your project idea must relate to a product/process that can be commercialised.
- Your project requires Research & Development (R&D) that is delivered in collaboration with university academic experts.
- You're able to contribute 30% of the total project costs. This can be an "in-kind" or cash contribution.

The expression of interest is for planning purposes only. Expressing an interest does not advantage an applicant and failing to express interest does not preclude an applicant from applying for future funding.

EOIs should be submitted to ETP by using this link:

[Submit an Expression of Interest to ETP](#)

Alternatively email ETP's Project Manager at Brian.Cross@Strath.ac.uk

Briefing Event

Join Brian and Ceed on Wednesday October 20th at 10am to learn more about the ETP Knowledge Exchange Network. To register, [click here](#).

More information

All Eoi's will be considered and receive a response. Those which meet funding requirements will be invited to submit a funding application.

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