



INNOVATION CHALLENGE 1

THE CHALLENGE	Zero emission alternatives for small scale off-grid, mobile or temporary energy provision
SUITABLE FOR	Companies
FUNDING SIZE	Project funding of up to £5,000
OPENING DATE	6 July 2021
CLOSING DATE	11 am Friday 20 August 2021

ABOUT MICHELIN SCOTLAND INNOVATION PARC

Michelin Scotland Innovation Parc (MSIP) Ltd. was formed to drive growth and diversity in the Scottish economy while addressing the global climate emergency. We are transforming a 32-hectare manufacturing site into an Innovation Parc focused on sustainable mobility and decarbonisation.

We are committed to working in partnership with industry, academia, government and the local community to transform Dundee into a key location for innovation that will progress emerging technology for a greener future.

MSIP seeks to support innovative new product and process development projects in sustainable mobility and decarbonisation to contribute to the delivery of the Scottish Government's zero carbon emission targets.

SCOTTISH GOVERNMENT NET ZERO STRATEGY

Scotland has the most ambitious climate legislation in the world. Our 2030 target of 75% reduction is highly ambitious and extremely stretching. [Scotland's Net Zero Roadmap](#) will be an important part of our collective efforts to tackle climate change, by helping Scotland's industry reduce its greenhouse gas emissions and contribute to the target of net-zero emissions by 2045 in Scotland and 2050 in the UK as a whole.



MARKET OPPORTUNITY

Numerous studies commissioned by Government agencies and others indicate that microgeneration can make a significant contribution to the long term UK energy mix and potentially contribute to carbon reduction targets.

A broad range of operations regularly require the use of small scale diesel generator units to provide a mobile power supply (eg events, roadworks, construction). If we consider that for each gallon of diesel fuel used, approximately 10kg of CO₂ is produced, a 100kw generator working at 50% load could produce almost 50kg of CO₂ per hour.

Therefore, the potential to decarbonise this type of small scale energy provision provides huge opportunities for not only companies but for the reduction of carbon emissions.



THE INNOVATION CHALLENGE

MSIP is therefore launching this new call to provide grant funding to companies seeking to develop zero emission alternatives for small scale off-grid, mobile or temporary energy provision.

Specifically, we are looking to support early stage opportunity or feasibility studies that will allow companies to develop a platform for future product and process development opportunities.

MSIP aims to fund a range of projects that support the delivery or demonstrate the viability of zero emission alternatives for small scale off-grid, mobile or temporary energy provision. These alternative sources of energy can have a range of applications including heat, powering road works, catering vans, off-grid lighting towers, construction and others.

The majority of projects are expected to be desk based research or consultancy projects that will provide the company with the evidence required to progress further technical development and funding commitments. We expect the majority to projects to deliver opportunity or feasibility studies, but eligible projects can also include technical development, system integration, testing and demonstration or business modelling or market testing.

Approximately £50,000 of grant funding is available and MSIP aims to fund up to 10 projects. Successful applicants will receive funding of up to £5,000 to support the opportunity or feasibility study that addresses The Challenge.

The call is open now and applicants can apply using the [application form](#). Frequently Asked Questions can be found [here](#).

