

# Partnering Opportunity

Profile status : Published

## Research Development Request

### Seeking subcontractors to support EIC Accelerator bid relating to electric vehicle charging stations

#### Summary

*A UK company is developing a bid for EIC (European Innovation Council) funding and is seeking electricity generators, battery, and hydrogen companies and vehicle manufacturers to work alongside the project. The project aims to increase the number of charging options for electric vehicles (EVs) in Europe with battery exchanges for trucks, buses and cars, to include load leveling battery storage to help manage national grids. They are seeking partners via research cooperation & other agreements.*

Creation Date	20 March 2020
Last Update	14 April 2020
Expiration Date	12 May 2020
Reference	RDUK20200320001
Public Link	<a href="https://een.ec.europa.eu/tools/services/PRO/Profile/Detail/6efc5e89-6d21-48a3-af96-2d2b4cac2e90">https://een.ec.europa.eu/tools/services/PRO/Profile/Detail/6efc5e89-6d21-48a3-af96-2d2b4cac2e90</a>

#### Details

##### Description

Despite the EU directive from 2014, there are still very few charging points for EVs in the UK and Europe. China is now ahead of the EU with cartridge exchange stations for cars. China is manufacturing electric buses and cars, selling in the thousands. India is also producing electric buses in the hundreds. With the Climate Change Act 2008 and plans to stop selling petrol/diesel cars by 2032, 2030 in some parts of Europe, there is increasing pressure to develop a unique EU-based network to at least equal that taking place in Asia.

The UK company is applying for EIC Accelerator funding to create EV battery charging and hydrogen refuelling



stations that will hold 48 energy cartridges per unit (expandable) to be able to compete with the convenience of petrol stations. This is an increase in capacity over the Chinese system that only caters for cars and batteries, and will additionally offer a Pay As You Drive payment system, to reduce the cost of purchasing EVs.

They are seeking subcontractors from energy suppliers, battery makers and car manufacturers to help support the project, via research cooperation agreement.

Deadline for EOIs in this call: 12 May 2020

Deadline for the call: 19 May 2020

## Advantages and innovations

At present battery and hydrogen fuel cell vehicle producers are competing for the same market, when they could be working together to provide a future-proofed energy infrastructure that allows for changing storage technology as it is developed. That is, reducing the risks for potential car buyers and fleet operators, where they are shy of investing in a moving market, for fear of buying an unsupported product. The ability of vehicles to use hydrogen or battery cartridges to power the same base vehicle, with supporting service station, provides a way of overcoming the perceived "Catch 22" rules used to design existing EVs.

## Keywords

### Technology

02008003	Logistics
02008005	Road Transport
02009002	Hybrid and Electric Vehicles
02009016	Charging system
02009026	Energy supply system

### Market

06009	Energy Distribution
06010002	Energy for the community/public sector
06011	Energy for Transport

### NACE

C.27.9.0	Manufacture of other electrical equipment
C.30.9.9	Manufacture of other transport equipment n.e.c.
D.35.1.4	Trade of electricity

## Network Contact

### Issuing Partner

ZACHODNIOPOMORSKI UNIWERSYTET TECHNOLOGICZNY W SZCZECINIE



**Contact Person**

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**Open for EOI:**      **Yes**

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**Client**

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**Type and Size of Organisation Behind the Profile**

Industry SME <= 10

**Year Established**

0

**Already Engaged in Trans-National Cooperation**

Yes

**Languages Spoken**

English

**Client Country**

United Kingdom

**Experience**

Mobility security is high on the agendas of most countries, as they change from coal and nuclear power stations to solar and wind farms. The move to zero emission transport has been triggered by climate change and worries about the link between fossil fuel emissions (particulates) and cancer.

A network of EV service stations is thought to fill the gap between irregular energy harvesting from nature and regular electricity supplies for the transport industry and houses.

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**Partner Sought**

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## Type and Role of Partner Sought

Type: Industry

Activity: Energy suppliers, battery makers, hydrogen producers and car manufacturers

Specific role of partner sought: Subcontracting work to support the project, which is to develop a new network of EV charging stations throughout Europe, compatible with battery and hydrogen-powered EVs.

## Type of Partnership Considered

Research cooperation agreement

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## Program - Call

### Framework Program

H2020

### Call title and identifier

EIC Accelerator

### Submission and evaluation scheme

Single-stage

### Coordinator required

No

### Duration

50 days

### Deadline for EOI

12 May 2020

### Deadline of the Call

19 May 2020

### Weblink to the call

<https://ec.europa.eu/easme/en/section/sme-instrument/eic-accelerator-sme-instrument-funding-opportunities>

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## Attachments