

Turkish Company Seeks Partners For Innovative Predictive Maintenance Solution For Electric Vehicle Batteries - EIT Urban Mobility

Summary

Profile type	Company's country	POD reference
Research & Development Request	Türkiye	RDRTR20240516016
Profile status	Type of partnership	Targeted countries
PUBLISHED	Research and development cooperation agreement	• World
Contact Person	Term of validity	Last update
<u>Alice MOROSINI</u>	16 May 2024 16 May 2025	16 May 2024

General Information

Short summary

The purpose of this offer; create a consortium structure within the scope of Electrification of the EIT Urban Mobility program.

Full description

The most important and value-added elements of a vehicle; The company experienced in the field of sensors, power electronics and controllers. Within the scope of the program, they aim to carry out "a study based on predictive maintenance estimation for publicly available commercial electric vehicle batteries". As a company, they have an Intelligent Battery Shunt Sensor and an IoT device that will transfer data to the Cloud. They also have infrastructure on the cloud side. Municipalities will be able to monitor the batteries of electric buses and other vehicles in their fleets with the information received from our Intelligent Battery Shunt Sensor and the vehicle. Predictive care and analyzes can be offered with AI support. It will fulfill criteria such as charging curves, usage statistics, voltage and current limit exceedances, alarms and reporting according to battery type, transfer of SOH and SOC information, and advance notification of risky batteries. In this regard, they want to realize a European project in cooperation with municipalities and other organizations. The product to be implemented in the relevant project will be used in municipal vehicles to conduct the necessary tests.

Advantages and innovations

With that project will fulfill criteria such as charging curves, usage statistics, voltage and current limit exceedances, alarms and reporting according to battery type, transfer of SOH and SOC information, and advance notification of risky batteries.

Technical specification or expertise sought

It is necessary to test the relevant intelligent battery shunt sensor in municipalities' commercial electric vehicle batteries. In this regard, we can cooperate with all interested domestic and international municipalities. We can also work with a company from the private sector that wants to work with us on the cloud side.

Stage of development

Available for demonstration

Sustainable Development goals

• **Goal 4: Quality Education**

IPR Status

No IPR applied

Partner Sought

Expected role of the partner

PERFORMANCE OF RELATED TESTS

Type of partnership

Research and development cooperation agreement

Type and size of the partner

- **University**
- **SME 11-49**
- **SME 50 - 249**
- **SME <=10**
- **Other**

Call Details



Framework program

Horizon Europe

Call title and identifier

EIT Urban Mobility

Submission and evaluation scheme

Anticipated project budget

Coordinator required

No

Deadline for EoI

17 Aug 2024

Deadline of the call

17 Aug 2024

Project duration in weeks

Web link to the call

Project title and acronym

Dissemination

Technology keywords

Market keywords

• **09001007 - Other transportation**

Targeted countries

• **World**

Sector groups involved

