PROJECT

CONCEPT

CONductive fast Charge system for Electric buses in Public Transport

Funding: European (Horizon 2020)

Duration: Sep 2014 - Feb 2015

Status: Complete

Total project cost: €71,429

EU contribution: €50,000

Call for proposal: H2020-SMEINST-1-2014

CORDIS RCN : 194667

Objectives:

Heliox, a company specialised in switch mode power technology, is developing a Conductive Fast Charge System for buses which will offer a cost-effective breakthrough technology for zero emission public transport AND competitive strength to the European Bus manufacturing industry. Heliox's Conductive Fast Charge System is designed for opportunity charging at e.g. end of bus line, extending the range of an (H)EV. A minimal onboard energy storage, enough to reach the next charging station, becomes practically sufficient to optimally operate a vehicle with low TCO and high availability. Potential users are: Public transport operators and European bus manufacturers.

The objective of this feasibility study is to further verify the technological/practical as well as economical viability of the product.

Methodology:

The 6 months of Phase 1 will be used to develop a detailed business plan, strengthen the relationship with potential customers and partners and define the technology. Heliox intend to submit a Phase 2 appliciation after finishing Phase 1.

Parent Programmes:

H2020-EU.3.4. - Horizon 2020: Smart, Green and Integrated Transport

Institute type: Public institution

Institute name: European Commission

Funding type: Public (EU)

Lead Organisation:

Heliox Bv

Address:
DE WAAL 24
5684 PH BEST
Netherlands

EU Contribution: €50,000

Technologies:

Electric road vehicles
Public charging infrastructure

Development phase: Validation

STRIA Roadmaps: Transport electrification

Transport mode: Road transport

Transport sectors: Passenger transport

Transport policies: Environmental/Emissions aspects, Decarbonisation

Geo-spatial type: Urban