

PROJECT

EP TENDER

An innovative range extending service for Electric Vehicles (EV), based on a modular range extender, available for on demand rental, and attached occasionally to the EV for long distance trips

Funding: European (Horizon 2020)

Duration: Jul 2015 - Sep 2017

Status: Complete

Total project cost: €1,345,853

EU contribution: €942,097



Call for proposal: H2020-SMEINST-2-2015

[CORDIS RCN : 198398](#)

Objectives:

EP Tender's goal is to accelerate the public's adoption of electric vehicles in order to:

- Reduce greenhouse gas emissions and dependency on fossil fuels
- Reduce emissions of small particles
- Develop soft mobility

Your mobile phone's range is (barely) one day. But a few times a year you travel, and need longer range. The solution is modularity. Would you carry a much heavier and more expensive phone everyday just for occasional peak usage? (although it would be technically easy to manufacture). We all take a charger, or an external battery when traveling. And whenever battery technology makes progress, it's for the benefit of size, weight and cost.

The range of an electric vehicle is enough for daily usage. But a few times a year you travel, and need longer range. Modularity is a solution as well. Few would choose to drive a much larger and more expensive car everyday just for occasional peak usage (regardless of technical feasibility). Let's also use on demand mobile energy modules when traveling, providing unlimited range. Battery technology progress will result in leaner and cheaper EVs, with more payload and less taxpayer support. Meanwhile the EV market can grow at an accelerated pace as EV usability becomes identical to ICE vehicles, with the same affordability.

EP Tender is an on demand range extending service for electric vehicles, using mobile energy modules attached occasionally to the EV. The project presented here is to make a field test in France, and tests in Germany and China. It is supported by future potential clients having committed to participate to the pilot, and operating well over 2,000 electric vehicles. User acceptance is already proving excellent among EV owners and prospects. The field test will further evidence user demand, create strong dissemination momentum, and widen OEM support.

How many people around you drive an EV? How many more might when EP Tender becomes available? EP Tender is a key to wider EV adoption!

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:

Ep Tender

Address:

TECHNOPARC 22 RUE GUSTAVE EIFFEL
78300 POISSY
France

EU Contribution: €942,097

Technologies:

EV support technologies
On-demand range-extending service for EVs

Development phase: Demonstration/prototyping/Pilot Production

Transport

STRIA Roadmaps: electrification

Transport mode: Road transport

Transport sectors: Passenger transport

Transport policies: Decarbonisation

Geo-spatial type: Other