

“During these first months of the UNPLUGGED project, the initial basis for the project has been set up, focusing on the basic technical specifications for the demonstrator systems as well as the selected vehicles - which have a major influence on the development of the inductive charging systems (e.g. battery voltage level). Now, the activities will focus on the detailed design of the demonstrators.



It is important to remark the importance of the communication with other related initiatives and organizations, which is fundamental to be aligned to the current standards and trends as well as to leave a footprint on them of UNPLUGGED”

Axel Barkow, fka, UNPLUGGED Coordinator

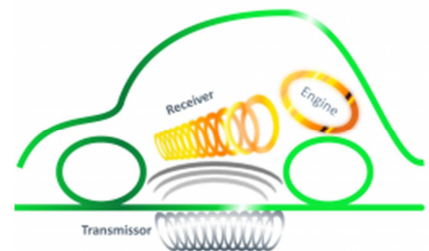
UNPLUGGED project aims to investigate how the use of inductive charging of Electric Vehicles (EV) in urban environments improves the convenience and sustainability of car-based mobility. In particular, it will be investigated how smart inductive charging infrastructure can facilitate full EV integration in the urban road systems while improving customer acceptance and perceived practicality.

First General Assembly. Firenze, 06/03/2013



After some months since the Kick-off meeting, the UNPLUGGED consortium has met again, now at the wonderful city of Firenze, Italy, in order to update and discuss about the technical objectives and activities of the project. During two days, several technical discussions have

taken place, allowing progressing in the development of the

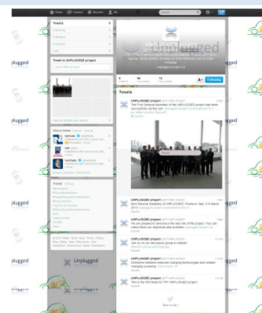
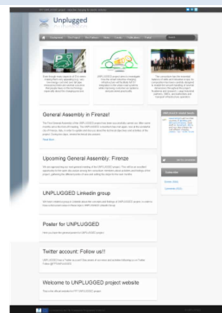


UNPLUGGED will achieve these goals by examining in detail the technical feasibility, practical issues, interoperability, user perception and socio-economic impacts of inductive charging. As one special variant, inductive en-route charging will be investigated thoroughly.

University of Firenze has been the perfect location for the meetings, compensating the rain of these days with their nice organization and hospitality. In addition, our project officer, Mr. Maggiore has also attended the meeting, actively contributing on the discussion with a wide perspective.

project with a common vision.

UNPLUGGED web tools are fully operational, including the UNPLUGGED web site as major information hub, the twitter account and the LinkedIn discussion



www.unplugged-project.eu



[@FPUNPLUGGED](https://twitter.com/FPUNPLUGGED)



[Unplugged FP7 project](#)

Charging scenarios categories

The UNPLUGGED project agreed and is promoting from its early stage the following distinction between inductive charging technologies and related charging scenarios.

STATIONARY charging

- The vehicle is not moving for a medium/long period of time (>5 minutes)
- The driver does not intend to use the vehicle soon
- Scenarios: Parking at home / the office / the supermarket etc.

Static EN-ROUTE charging

- The vehicle is not moving for a short amount of time (<5 minutes)
- The driver is likely still on the vehicle, on the way to his/her target location or intends to use the vehicle again very soon
- Scenarios: Traffic light, Bus stop, Taxi stand, Delivery truck

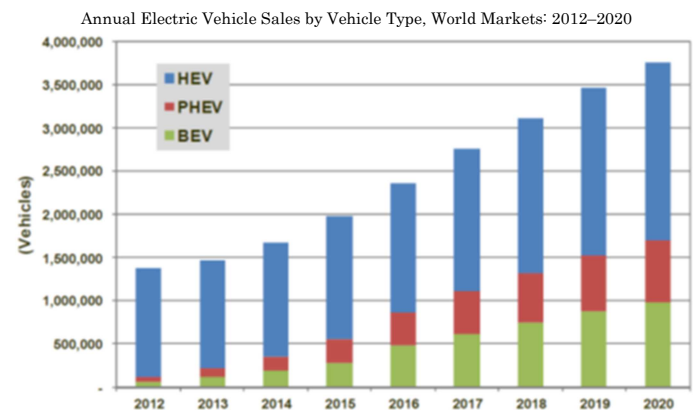
Dynamic EN-ROUTE charging

- The vehicle is moving
- The driver is on the way to his/her target location
- Scenarios: Highway, Strategically chosen roads

A discussion topic was opened in the LinkedIn group as a way to disseminate this understanding and to promote the project, with several replies.



The consortium has the essential balance of skills and industrial scope; its composition has been carefully designed to enable the smooth handling of several dimensions throughout the project: Academia and research, Large Industrial partners, SMEs, and Authorities and transport infrastructure operators



Source Pike Research

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Save the date

EVS27, Barcelona, Nov 2013. www.evs27.org - Smart City Expo, Barcelona, Nov 2013, www.smartcityexpo.com - Transport Research Arena 2014, Apr 2014. tra2014.sciencesconf.org

Project activities

WP1 and WP2 inter-WP meeting, Barcelona, May 21st and 22nd 2013. During two days, ENDESA has hosted a workshop to set up and fix the basic technical background of the project

First meeting of the Advisory Board, Firenze, March 8th 2013. The members of the Advisory Board of UNPLUGGED meet for the first time, the project goals and technical background is presented and first impressions and opinions are discussed

Conference on Electric Roads and Vehicles, Park City, Utah, Feb 2013. UNPLUGGED project was presented at this conference as part of the European strategy on EV