SMARTV2G
Project ID: 284953
Funded under: FP7-ICT

Smart Vehicle to Grid Interface

From 2011-06-01 to 2014-05-31, closed project | SMARTV2G Website

Project details

<table>
<thead>
<tr>
<th>Total cost:</th>
<th>Topic(s):</th>
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<tbody>
<tr>
<td>EUR 3 279 368</td>
<td>GC-ICT-2011.6.8 - ICT for fully electric vehicles</td>
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<tr>
<th>EU contribution:</th>
<th>Call for proposal:</th>
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<tr>
<td>EUR 2 520 000</td>
<td>FP7-2011-ICT-GC</td>
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<th>Coordinated in:</th>
<th>Funding scheme:</th>
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<tr>
<td>Spain</td>
<td>CP - Collaborative project (generic)</td>
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Objective

In a context of an obliged continuous optimisation of the energy consumption rates in developed societies, embedded systems and solutions can perform a significant role in the transition process towards a Sustainable Urban Life concept in European countries. One of the main and most promising technological areas that are expected to be able to contribute in a most relevant way to that overall target is the one constituted by the electric vehicles.

In that sense, the main objective targeted by the SMARTV2G Project aims at connecting the electric vehicle to the grid by enabling controlled flow of energy and power through safe, secure, energy efficient and convenient transfer of electricity and data.

This will entail, among other specific objectives, the development of a new generation of technologies allowing the seamless and user-friendly energy load of electric vehicles in urban environments in the frame of an intelligent energy supply network managed by an embedded control system.

In order to be able to achieve the exposed objectives, the project Consortium is comprised of a well-balanced group of 7 partners from 4 European countries with complementary skills and expertise, including all the necessary profiles to deal with the scheduled project work plan. Furthermore, key industrial companies in the field of electro-mobility have shown their interest and commitment to the project.

This interdisciplinary group of the energy industry, alternative energy components developers, software & embedded systems developers, and technological R&D centres are strongly committed to efficiently coordinate their resources over the 36 months duration of the project in order to be able to reach all expected project outcomes.
Coordinator

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**EU contribution:** EUR 496 481

See on map

**Activity type:** Research Organisations

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**EU contribution:** EUR 644 201

See on map

**Activity type:** Research Organisations

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**EU contribution:** EUR 360 200

See on map

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**Subjects**

Energy Saving