

PROJECT

ICT4EVEU

ICT services for Electric Vehicle Enhancing the User experience

Funding: European

Duration: Jan 2012 - Mar 2015

Status: Complete

Total project cost: €4,400,008

EU contribution: €2,200,000



Call for proposal: CIP-ICT-PSP-2011-5

[CORDIS RCN : 191910](#)

Background & policy context:

CT 4 EVEU is a project born with the aim of deploying an innovative set of ICT services for electric vehicles (EV) in different and complementary pilots across Europe. The scope of the ICT services is the integration of different management systems operating on the existing EV infrastructures in the cities where the pilots will be run, so that related services are deployed making use of these interconnected infrastructures.

The pilots will be based in a growing, geographically speaking, scope. There will be three main pilots:

Based in Bristol, UK, and its commute area

Based in Spanish towns of Vitoria and Pamplona, creating a common corridor of 100 Km length

Based in Slovenia, within the main cities of the country, Ljubljana and Maribor. It will be combining the union of two cities plus an international scope, as this pilot will count with the observers from the region of Styria in Austria, which have shown a big interest in the proposal.

Objectives:

The general objective of the proposal will be to deploy a set of ICT-based services for European Vehicles focused on the integration of innovative technologies; thus enhancing the user experience with an increasing geographical scope for the 3 kinds of pilots: urban, regional and transnational.

Furthermore, the project will contribute to the European goal of creating a sustainable transport system with lower carbon emissions.

Specific objectives classified according to the technologies involved:

1. ICT solutions and smart systems integration:

- To make the driver aware of the remaining energy and of the resulting restrictions in terms of range and comfort.
- To recommend and guide the driver to the most suitable recharging station, according to the battery status and the grid availability.
- To conveniently book a charging point in advance at the suggested station simplifying the payment procedure with different charging point managers and receiving notifications when the EV is conveniently charged.
- To guarantee the access to reviews including information about the charging history, events, charging stations utilized.

1. Type of vehicle and type of energy

- To make use of innovative tools for communication vehicle - infrastructure - control centre. This involves real-time management of large amounts of information from different system actors:

clients, infrastructure, vehicles and operators as well as its processing and distribution using optimised communication channels.

- While cooperative systems onboard are still in a preliminary phase of adoption, the ever increasing penetration of smartphones and mobile devices among consumers sets an outstanding opportunity to deliver these value added services directly to the drivers and encourage them to start using fully electric road transport solutions.

Methodology:

The work plan is organized along 6 Work Packages (WP):

WP1: Pilots harmonisation and design

WP2: Deployment and Implementation of the pilot

WP3: Global validation and tuning the pilots

WP4: Creation of an international platform of public-private cooperation to foster smart electro-mobility

WP5: Dissemination of project results and exchange among different pilot experience

WP6: Project Management

Parent Programmes:

[CIP - Competitiveness and Innovation Framework Programme](#)

Institute type: Public institution

Institute name: The European Investment Fund

Funding type: Public (EU)

Other programmes: The Information and Communication Technologies Policy Support Programme

Lead Organisation:

Comunidad Foral De Navarra - Gobierno De Navarra

Address:

AVENIDA CARLOS III 2
31002 PAMPLONA
Spain

EU Contribution: €79,944

Partner Organisations:

Ayuntamiento De Pamplona

Address:

PLAZA CONSISTORIAL
31001 PAMPLONA
Spain

EU Contribution: €72,118

Iberdrola Clientes Sociedad Anonima

Address:

Plaza Euskadi 5
48009 Bilbao
Spain

EU Contribution: €31,799

Iberdrola Generacion Sau

Address:

CARDENAL GARDOQUI 8
48008 Bilbao
Spain

Organisation Website:

<http://www.iberdrola.es>

EU Contribution: €148,673

Etrek Svetovanje In Druge Storitve Doo**Address:**

POD JELSAMI 006
1290 GROSUPLJE
Slovenia

Organisation Website:

<http://www.etrrel.si>

EU Contribution: €238,542

Elektro Ljubljana Ove, Inzeniring Spodrocja Obnovljivih Virov Energije, D.o.o.**Address:**

SLOVENSKA CESTA 56
1000 LJUBLJANA
Slovenia

EU Contribution: €64,375

Acciona Energia S.a.**Address:**

AVENIDA CIUDAD DE LA INNOVACION 5
31621 SARRIGUREN
Spain

EU Contribution: €29,229

Zabala Innovation Consulting, S.a.**Address:**

Paseo Santxiki 3 Bis
31192 Mutilva Alta Navarra
Spain

EU Contribution: €87,112

Ayuntamiento De Vitoria-Gasteiz**Address:**

Plaza España
1001 Vitoria-Gasteiz
Spain

EU Contribution: €24,156

Fundacion Tecnalia Research & Innovation**Address:**

PARQUE CIENTIFICO Y TECNOLOGICO DE GIPUZKOA PASEO MIKELETEGI 2
20009 DONOSTIA/SAN SEBASTIAN (GIPUZKOA)
Spain

Organisation Website:

<http://www.tecnalia.com>

EU Contribution: €155,612

Elektro Maribor, Podjetje Za Distribucijo Elektricne Energije D.d.**Address:**

Vetrinjska ulica 2
2000 Maribor
Slovenia

EU Contribution: €83,550**Elektro Ljubljana Ove, Inzeniring Spodrocja Obnovljivih Virov Energije, D.o.o.****Address:**

SLOVENSKA CESTA 56
1000 LJUBLJANA
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EU Contribution: €108,737**Landesenergieverein****Address:**

Burggasse 9
8010 Graz
Austria

EU Contribution: €60,255**Centro De Estudios Ambientales****Address:**

Casa De La Dehesa De Olarizu
1006 Vitoria Gasteiz
Spain

EU Contribution: €69,656**Ingeteam Power Technology Sa****Address:**

PARQUE TECNOLOGICO DE BIZKAIA EDIFICIO 106
48170 ZAMUDIO
Spain

Organisation Website:

<http://www.ingeteam.com>

EU Contribution: €179,777**B.i.m. Beratung Und Informationsverarbeitung Im Mobilitatsbereich Frantz Konig Und Schallabock Og****Address:**

RECHBAUERSTRASSE 31/2 ST
8010 GRAZ
Austria

EU Contribution: €144,585**Fundacion Cetena**

Address:

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31110 NOAIN
Spain

Organisation Website:

<http://www.citean.com>

EU Contribution: €61,900

Centro Europeo Empresas E Innovacion S.I.**Address:**

Poligono Industrial Mocholi. Plaza Cein 1
31110 Noain
Spain

EU Contribution: €95,449

Energie Agentur Steiermark Gemeinnutzige Gmbh**Address:**

NIKOLAIPLATZ 4A 1
8020 GRAZ
Austria

EU Contribution: €0

Bristol City Council**Address:**

Brunel House, St Georges Road
BRISTOL
BS1 5TR
United Kingdom

Organisation Website:

<http://www.bristol-city.gov.uk>

EU Contribution: €288,721

Ente Vasco De La Energia**Address:**

Alameda Urquijo Edificio Plaza Bizkaia
48001 Bilbao
Spain

Organisation Website:

<http://www.eve.es>

EU Contribution: €175,810

Ingeteam Energy Sa**Address:**

AVDA CIUDAD DE LA INNOVACION 13
31621 SARRIGUREN
Spain

Organisation Website:

<http://www.ingeteam.com>

EU Contribution: €0

Documents:

 [D1.1 Existing infrastructure and energy sources report \(Other project deliverable\)](#)

Transport

STRIA Roadmaps: electrification

Transport policies: Environmental/Emissions aspects, Digitalisation, Decarbonisation

Geo-spatial type: Urban