

INCIT-EV PROJECT: INNOVATIVE ELECTRIC CHARGING SOLUTIONS TO BE TESTED IN EUROPE

- **The INCIT-EV[1] project aims to encourage the development of electromobility in Europe through field experiments.**
- **7 innovative charging technologies for electric vehicles will be tested in chosen locations in Europe.**
- **Groupe Renault is coordinating this initiative, which has support from the European Commission as part of a call for proposals within the European Horizon 2020 programme.**

Groupe Renault announces the official launch of the INCIT-EV project, in collaboration with 32 partners in Europe. This project aims to promote electromobility via user-centric experiments of innovating charging technologies for electric vehicles.

7 USE CASES TESTED IN EUROPE

Spanning the 48 months from January 2020 through December 2023, the INCIT-EV project will be broken down into two primary phases:

- **Phase 1 will first involve analysing user needs and requirements, followed in April 2020 by an assessment of charging technologies and their integration into infrastructures.**
- **Phase 2 will focus on 7 tech demonstrations on selected sites and will run from the second half of 2022 to the end of the project.**
 - **A dynamic induction charging system for the urban environment** in Paris, France;
 - **High voltage charging systems** in the outskirts of Tallinn, Estonia;
 - **Optimised bidirectional "smart charging"** in Amsterdam and Utrecht, the Netherlands;
 - **A dynamic induction charging system in peri-urban/long-range areas** in Versailles, France;
 - **A charging hub in a carpark** in the outskirts of Turin, Italy;
 - **Low voltage bidirectional charging** (for two-wheeled vehicles also) and dynamic charging in taxi lanes located at the airport and central station in Zaragoza, Spain.

A PAN-EUROPEAN PROJECT BROUGHT TO LIFE BY GROUPE RENAULT

To address the needs to test the charging technologies in real-life conditions – such as the Contactless Dynamic Charging (CDC)^[2] technology – and to structure the whole ecosystem, Groupe Renault took the European Commission's call for new projects as an opportunity to create a consortium.

Thirty-two leading industrial companies, universities, institutes, cities, start-ups, and SMEs positively answered the call put out by Renault, with the shared desire to promote electric mobility in Europe by carrying out electric car's user-centric experiments.

This customer-centric approach will help build a new ecosystem and develop technological charging solutions that could be rolled out Europe-wide to foster and encourage electric mobility.

As Europe's pioneering electric vehicle company, Groupe Renault is known for being an innovative company that cares about customers", says Xavier Serrier, project manager for the electric vehicle charging systems in Groupe Renault's Research department. "The INCIT-EV project we launched is a large demonstration of user-centric urban and long-range charging solutions to boost an engaging deployment of electric vehicles in Europe.

Based in Estonia, France, Germany, Italy, the Netherlands, Slovenia, Spain, and Turkey, the **33 members of the consortium** are:

ATOS SPAIN SA, AVERE France, Ayuntamiento de Zaragoza, BIT&BRAIN technologies SL, Bursa Buyuksehir Belediyesi, COLAS SA, Commune de Paris, Comune di TORINO, Eesti Energia Aktsiaselts, ELES d.o.o. Sistemski operater prenosnega elektroenergetskega omrežja, ENEDIS, EUROVIA Management, EV charged B.V., Vedecom Fondation Partenariale MOV'EOTEC, Fondazione LINKS – Leading Innovation & Knowledge for Society, FPT INDUSTRIAL SPA, Fundación CIRCE Centro de Investigación de Recursos y Consumos Energéticos, GREENFLUX Assets B.V., Groupe RENAULT, IDNEO Technologies SAU, Ingeniería y Técnica del Transporte TRIA SA, Institut Français des Sciences et Technologies des Transports, de l'Aménagement et des Réseaux, IREN SPA, Pitpoint EV B.V., Politecnico di Torino, PRIMA ELECTRO SPA, Province Noord-Holland MRAE, PSA ID, QI ENERGY ASSESSMENT SL, Red Eléctrica de España S.A.U., Stadwerke Nordeney GMBH, Univerza V Ljubljani, We Drive Solar.

A PROJECT SUPPORTED BY THE EUROPEAN COMMISSION

The INCIT-EV project has received funding from the European Union's Horizon 2020 research and innovation programme via the grant agreement n° 875683.

Groupe Renault is both the creator and the coordinator of the INCIT-EV project consortium. In that capacity, Groupe Renault serves as intermediary between the European Commission and the consortium partners, and oversees the technical development, budgeting, and scheduling.

About Groupe Renault

Groupe Renault, which has manufactured cars since 1898, is an international group operating in 134 countries. In 2018, it sold nearly 3.9 million vehicles. Worldwide, the group employs more than 180,000 people and has 36 manufacturing sites and 12,700 points of sale. To address the major technological challenges of the future and continue to pursue its profitable growth strategy, Groupe Renault focuses on international expansion. To do this It builds on the synergies between its five brands (Renault, Dacia, Renault Samsung Motors, Alpine and LADA), the electric vehicle, and its unique alliance with Nissan and Mitsubishi Motors. With a 100% Renault owned team committed to the Formula 1 World Championship since 2016, the brand is involved in motorsports to boost innovation and name recognition.

^[1] Large demonstration of user Centric urban and long-range charging solutions to boost an engaging deployment of

Electric Vehicles in Europe

[2] *Developed in 2018 by Groupe Renault with VEDECOM's participation, the Contactless Dynamic Charging (CDC) technology lets vehicles charge without any contact, by driving on the roads equipped with this technology.*

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