

# MOBENA PROJECT

Press Release  
Versailles, France, November 9, 2021

The Electromobility players get together  
to ensure a successful deployment  
of the new charging services



The Mobena project was launched in September 2021 for two years. It brings together players from all the electric mobility value chain in France. Its aims to support the e-mobility companies in ensuring a successful deployment of the new generation of electric vehicle charging solutions. These solutions will simplify the user experience and improve the quality of service.

## INTEROPERABLE CHARGING SERVICES

Plug and Charge and smart charging will be the first provided services. They require interactions between many players through various IT interfaces. These services must be clear, homogeneous, and interoperable to be easily adopted. Any vehicle must be able to charge with any charging infrastructure, relying on any service provider.

Mobena will particularly focus on **integrating interoperability as an initial requirement** and **providing high value-added services** through the massive adoption of the ISO 15118<sup>1</sup> standard in a **competitive and open market**.

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<sup>1</sup> ISO 15118 standard defines communication and data transfers between the vehicle and the charging infrastructure

## 20 MOBILITY PLAYERS ENGAGED IN MOBENA

The Mobena project gathers **20 partners including 19 industrials**. They represent all the mobility sector: Atos, Chargepoly, CRITT M2A, EDF, FEV France, GIREVE, Hager, IES Synergy, Legrand, Nexans, Renault, SAP Labs, Schneider-Electric, Stations-e, Stellantis, Thales, TotalEnergies, Valeo, VINCI Energies. The project is driven by VEDECOM.

- **Research and innovation:** [VEDECOM](#)
- **OEM:** [Renault](#), [Stellantis](#)
- **Technology Suppliers:** [Atos](#), [GIREVE](#), [Thales](#)
- **Operators :** [EDF](#), [SAP Labs](#), [Stations-e](#), [TotalEnergies](#), [VINCI Energies](#)
- **Test specialists:** [CRITT M2A](#), [FEV France](#)
- **Charging Infrastructure:** [Chargepoly](#), [Hager](#), [IES Synergy](#), [Legrand](#), [Nexans Power Accessories France](#), [Schneider Electric](#), [Valeo](#)

**MOBENA PROJECT**  
for new generation e-mobility

RESEARCH & INNOVATION	OEM	TECHNOLOGY SUPPLIERS
OPERATORS	TESTING SPECIALISTS	CHARGING INFRASTRUCTURE

Mobena continues to welcome new industrial partners from the e-mobility ecosystem who wish to position themselves on Plug and Charge and smart charging and contribute to the offer structuring.

The project is also open to institutional partners. These partners will help to prepare for the harmonious arrival of offers on the French market and will promote the orientations resulting from the project.

Mobena is part of an [initiative addressing next-generation charging systems](#). This action was launched in 2020 by an initiative committee comprising [AFIREV](#), [AVERE-France](#), [GIMELEC](#), [PFA](#), [UFE](#) and [VEDECOM](#).

## SUPPORTING THE DEPLOYMENT OF PLUG AND CHARGE AND SMART CHARGING

The Mobena project partners will implement the following actions, in a collaborative framework within working groups:

- Definition of a **transition roadmap** towards new generation charging solutions and use cases to be adopted, including Plug and Charge and smart charging.
- Creation of **technical guidelines** for the development, testing and deployment of products and services supporting the ISO 15118 standard, validated by a technical committee before publication.
- Identification and follow-up of **pilot projects** to test deliverables on the field.
- Establishment of a **dissemination and lobbying unit**. It will ensure the consistency and relevance of the choices made by Mobena in regard of other European initiatives and ecosystems. It will disseminate the project's choices for wide adoption and carry the idea of having a replicable solution at European level.

The project will focus on **system architectures** (interactions between the vehicle, the charging station and the operators' backend) including communication protocols, PKI (Public Key Infrastructure) and cybersecurity. The approach integrates the two types of recharging, AC and DC.

The main results of the project will constitute a common good which will be made public at the end of the main project milestones.

## HARMONIZED ACTIONS AT A EUROPEAN LEVEL

Consensus and unity within the industry are prior to ensure the successful deployment of Plug and Charge and smart charging in an interoperable manner at European level.

To achieve this goal, Mobena seeks to collaborate with European organizations for the development and adoption of a reference architecture, both from a technical and organizational point of view. Such an architecture will ensure the interoperability of systems and allow an open and competitive market between electromobility players. It will allow end users and operators to freely select their service providers.

VEDECOM has been appointed member of the Sustainable Transport Forum (STF) sub-group of the European Commission dedicated to governance and communication standards within the electromobility ecosystem. The results of this group will be integrated into European regulations as part of the [Fit for 55](#), in particular the *revised Alternative Fuels Infrastructure Regulation* (AFIR). VEDECOM will carry the position developed jointly with the Mobena project partners.

VEDECOM and Mobena partners, who are also members of [CharIN](#) (association which promotes the European charging standard - CCS) actively contribute to the working groups led by CharIN to develop benchmarks and roadmaps consistent with the Mobena vision.

In addition, VEDECOM and Mobena project partners are involved in setting up technical demonstrations to assess interoperability approaches in the charging ecosystem. This collaboration is part of a long-term partnership between VEDECOM and the Dutch innovation center [Elaad](#). The two organizations have successfully carried out various joint [demonstrations](#) since 2018 in the field of smart charging.

## PRESS CONTACT

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All consortium members' press services are also at your service for any question (see the list below).