

Plug & Charge for a Better User Experience for ALL

Mobena 20 partners to ensure interoperability
and drive PnC for all



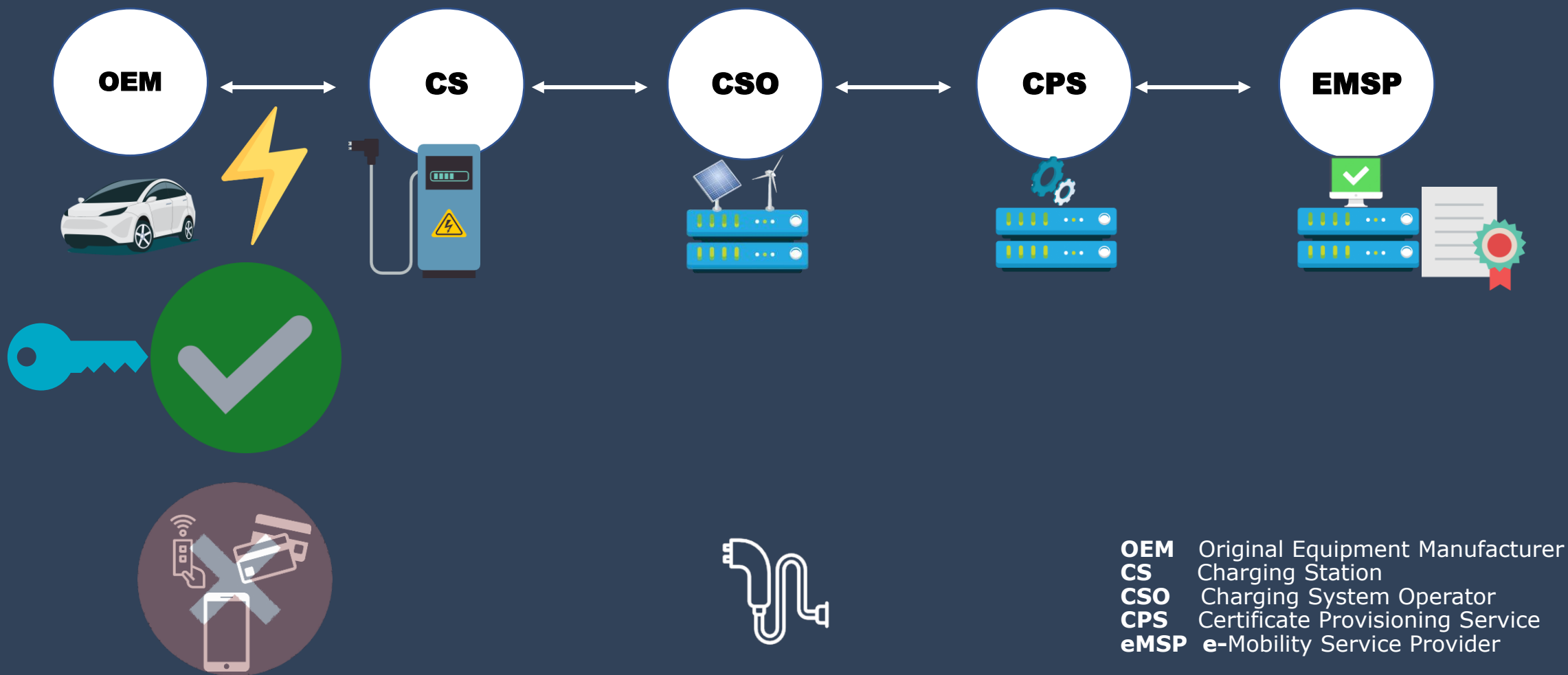
**Too many
authentication
means**



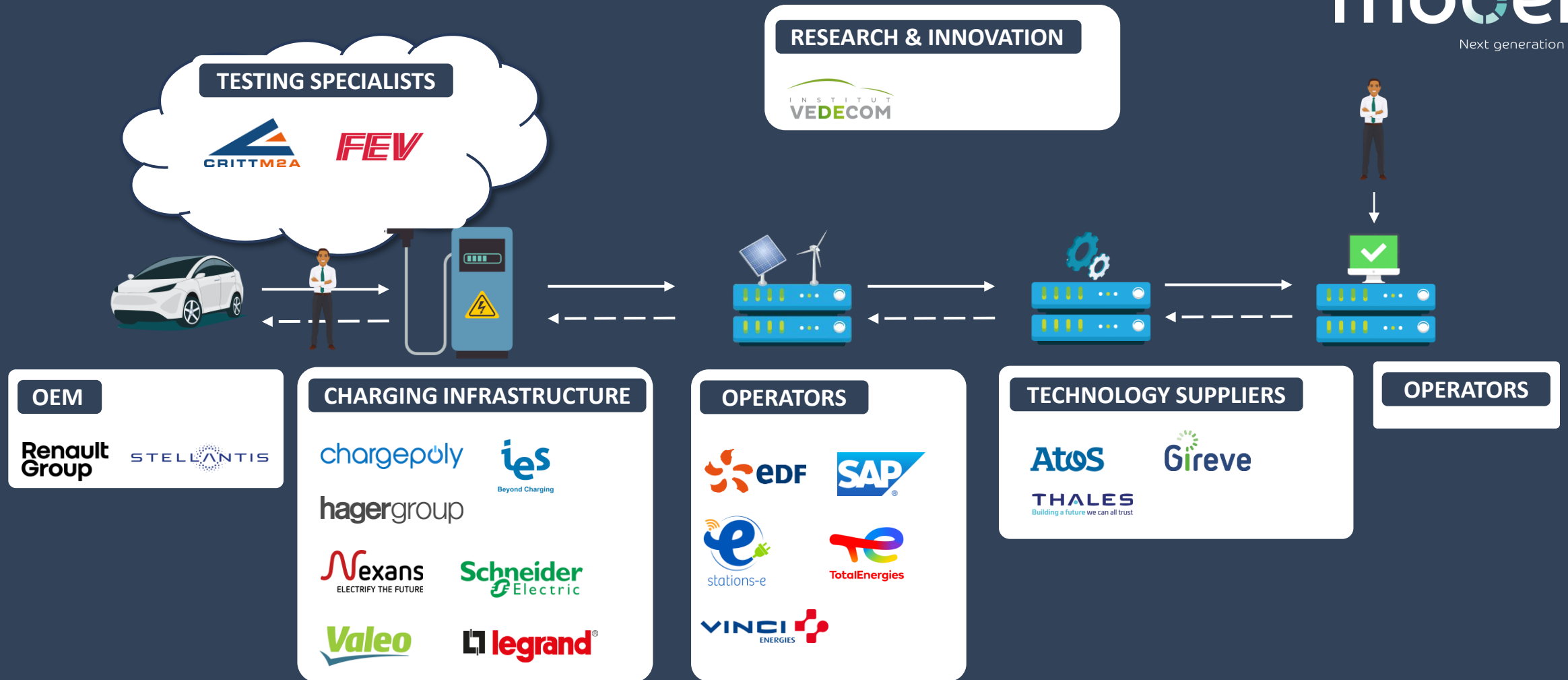
**This reduces
quality of
service**



**Current EV charging authentication methods
induce a complex user experience**



Plug & Charge



The Mobena project thrives to insure interoperability across the whole EV charging ecosystem

RESEARCH & INNOVATION



OEM



CHARGING INFRASTRUCTURE



OPERATORS



TECHNOLOGY SUPPLIERS



TESTING SPECIALISTS



Mobena Initiative Committee



Join us!



mobena.org



Next generation EV charging

An open collaborative project for next generation EV charging

To drive Plug and Charge & Smart Charging interoperable deployment for all





Shared roadmap and means to ensure a coordinated deployment of Plug & Charge and Smart Charging



Shared technical standards and guides to implement and test interoperability



Experimental test sites to validate the project results and recommendations



Results' dissemination and coordination to ensure consistency at the European level

Mobena objectives

IES Synergy, is a pioneer of the electromobility market, with a **30-year know-how in DC charging, mastering 100% of the technology** (hardware, software, services, etc.)



Loïc Anguera Software Development Manager



SAP LABS France

The first lab running a 100% fleet of EV

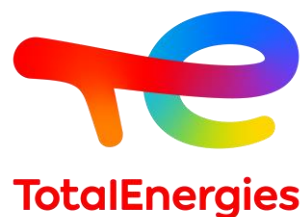
Monitoring solution for electric mobility and energy management

100%/280+ EV cars
1+ MW charging capacity / 100 kWp PV
/ 150 kWh battery
150+ Cp over 2 main sites and
80+households
Smart charging & Smart Building
Integration
Cloud native and OSS
92% driver satisfaction



Jean-Christophe Pazzaglia
Open e-mobility
R&I director





Pierre-Olivier
Ducouret

- TotalEnergies provides concrete solutions in the context of the transport and energy transition, investing massively in the development of large-scale electric mobility, helping to remove one of the main obstacles to this market growth: the deployment of charging infrastructures accessible to the greatest number of people.
- **Solution Owner**, EV Charge Division – TotalEnergies, Pierre-Olivier has been working for nearly 10 years in the field of electric mobility, thanks to his different experiences within Bouygues Energies & Services, G2mobility and now the Division EV Charge of TotalEnergies.

E-Mobility key player

- Intermediation platform to interconnect all EV Players & ease credential exchanges
- Ecosystem interoperability through market standard set-up
- Plug & Charge compatible roaming services

Combining Market Place, Transactions Processing, and Data Management technologies, GIREVE is the leading B-to-B digital platform for new mobility.

For almost 10 years, GIREVE has been a central trusted third party for B-to-B players in the charging sector, handling negotiations and transactions independently, securely, according to transparent rules, and in compliance with regulations.



Jean-Marc Rives

CTO

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Thales, as a global leader in advanced technologies, invests in digital and “deep tech” innovations to build a future of trust for societies.

Within the Automotive and Electro-Mobility world, Thales provides masterclass Connectivity and Cybersecurity solutions.



Olivier Clerc

**Key Account Manager
Thales Automotive**

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Thales Cybersecurity 6-step approach



Thales cybersecurity solution – the [Thales Trusted Key Manager](#) - is deployed at all points of risk to protect and ensure the integrity of the entire ISO 15118 Ecosystem. It provides:

- Secure ID generation and certificate provisioning**
- Mutual authentication between legitimate stakeholders**
- Vehicle data integrity and confidentiality**
- Secure credential management**

Building a secure foundation - implemented in the core of the ecosystem elements - will prevent hacks, provide trust for end-users and ensure massive adoption.





eMobility key player

- **Intermediation platform**
 - to interconnect all EV players
 - to ease credential exchange
- **Ecosystem interoperability** through market standards set-up
- **Plug & charge compatible** roaming charging services

Secure Plug & Charge Solution

- Seamless End-User Experience
- Highest Security Protection

Cybersecurity Expert

- **Secure credentials** generation, provisioning and lifecycle management
- **Automated mutual authentication** through Thales Trusted Key Manager
- **Highly scalable solution** supporting millions of vehicles

Plug & Charge for a Better User Experience Round table Speakers



Roch El Khoury, Head of Electrification



Loïc Anguera, Software Development Manager



Jean-Christophe Pazzaglia, Open e-mobility R&I director



Pierre-Olivier Ducouret, Product Manager EV Charge



Jean-Marc Rives, CTO,



Olivier Clerc, Automotive Key Account Manager, Thales



Join us!

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Next generation EV charging



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