



# CHARGE PULSE

Charging infrastructures monitoring for EV



Service & maintenance

Charging station

OEM card

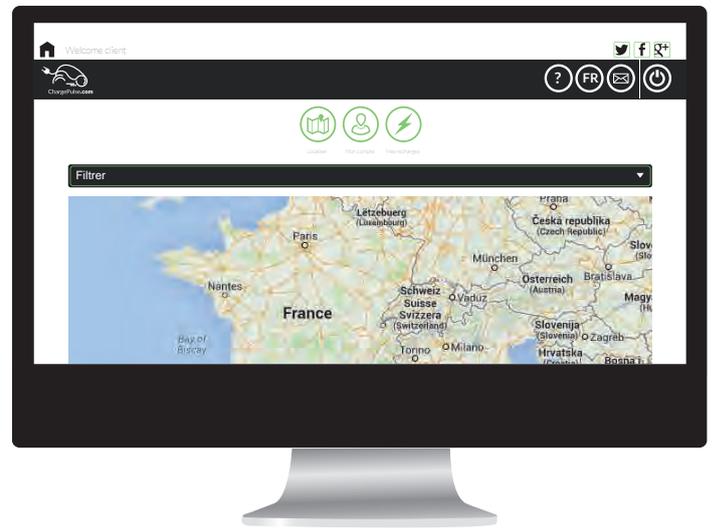
# CHARGE PULSE.COM

## ELECTRIC VEHICLE APPLICATION



ChargePulse is a multi-compatible application (PC, tablet, smartphone) that manages client relationships between electric vehicle users and owners of charging stations. It only takes a few clicks to locate the nearest terminal.

ChargePulse also allows optimal management of charging stations, it is the indispensable tool for easy maintenance.

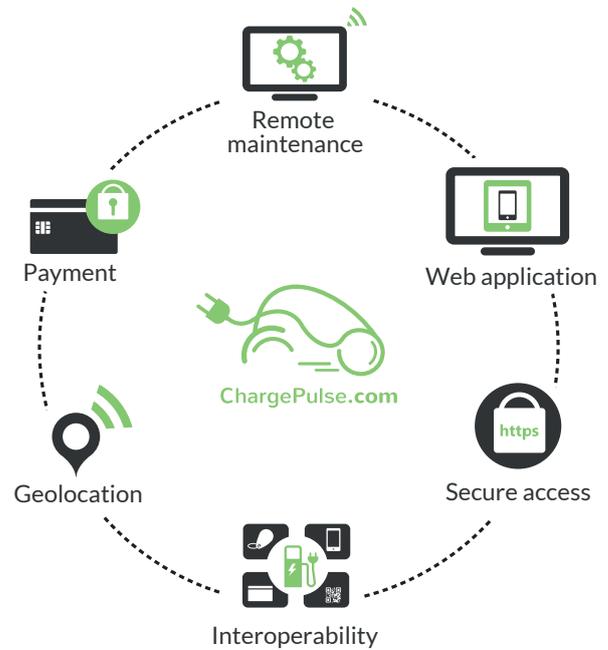


## KNOW-HOW

LAFON has over 10 years' experience with the web technologies used by ChargePulse, especially for management and payment systems for service stations (payment management for thousands of automatic fuel pumps using credit cards or private card systems and delayed payment via invoices) and car/truck washes (managing transactions with prepaid cards).

ChargePulse can also be accessed from a smartphone to locate the nearest free charging station, reserve it and monitor vehicle charging time.

## FUNCTIONS



## ACCESSIBILITY

chargepulse.com allows a client to locate a suitable charging point 24/7.

Traders and maintenance contractors are guaranteed real time monitoring of their network.





- **Secure access (https)**  
*Using identifier and password Trader, client, maintenance contractor)*
- **Electronic payment**  
*Prepayment via the internet*
- **Identification by SMS**  
*Control code provided by the unit*
- **Remote maintenance**  
*Updates downloaded*
- **Equipment monitoring via the Internet**  
*<https://www.chargepulse.com>*

## MULTI-SUPPORT WEB APPLICATION

To adapt to the needs of different clients, ChargePulse is compatible with different identification methods: contactless badges and cards (RFID), smartphones via sms, barcodes, loyalty cards, QR codes evolving towards NFC payments, ...

### A simple service available 24/7

A client can use a smartphone or the internet to locate an available Pulse charging point using criteria of their choice (power, charge mode, plug type...).

The ChargePulse cloud service provides fine coverage of a region by allowing charging units with different owners to be federated with regular or transient clients.

## WEB ACCESS

### Traders

The terminal's owner can manage their prices depending on the type of client, use a loyalty programme, manage the white list and generate reports by parking space and by client.

### Clients

The charging station user has an interface that is adapted to his/her needs. This allows them to monitor consumption, make pre-payments and locate charging points.

### Maintenance contractors

In order to ensure high quality customer service, maintenance contractors have a tool that provides technical monitoring of the terminals they are responsible for. The alerts, incident logs and sms messages if a circuit breaker operates simplify terminal maintenance.

## PAYMENT SYSTEMS

### Prepayment:

- via credit card payment interface
- at the till

### On-line payment:

- with smartphone or NFC card

### Post payment ( clients with account)

- Billing at end of period

## SECURITY

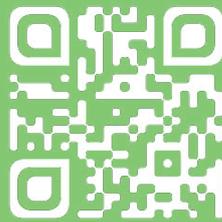
All data transiting by ChargePulse are secured by the SSL secure web protocol and the https access.

## INTEROPERABILITY

The supervision system is compatible with those of other players in the field of electric mobility thanks to its OCPP roaming compatible platform.



[www.pulse.lafon.fr](http://www.pulse.lafon.fr)



Charging station



Monitoring

ChargePulse.com



Services

