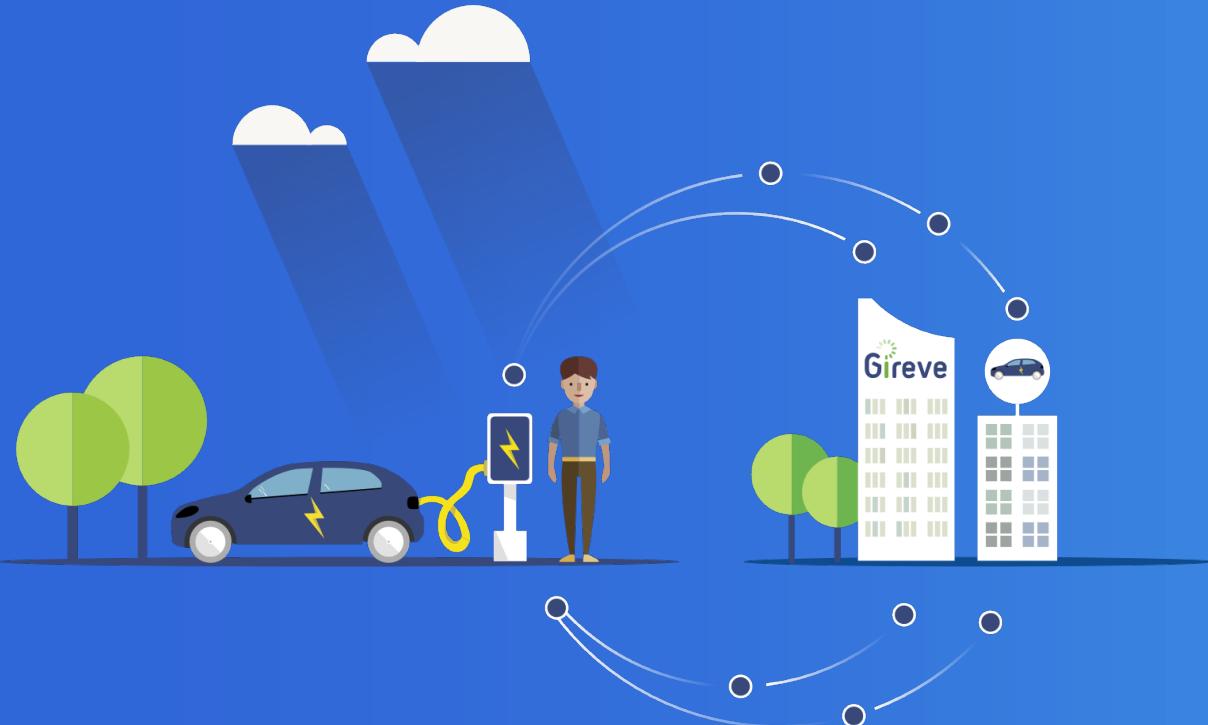


ROAMING SOLUTIONS FOR EV CHARGING  
IN EUROPE



## GIREVE

Get to know where we come from

## INTRODUCTION TO ROAMING

Understand the concepts of Roaming

## OUR SERVICES

Our solutions to manage your roaming activities

## YOUR ONBOARDING

Let's plan for the next steps

## OUR OFFERS

Choose between our OPEN & BOOST! Packages

# Executive Summary

## WE HELP YOU GROW YOUR BUSINESS, WE DON'T INTERFERE WITH YOUR OPERATIONS

- We provide the right B2B tools and operational support for you to ease up your business with your partners
- We are totally invisible to your end customers
- We do not stand between you and your roaming partners. You remain the only one steering the boat

## WE FOCUS ON THE EUROPEAN MARKET

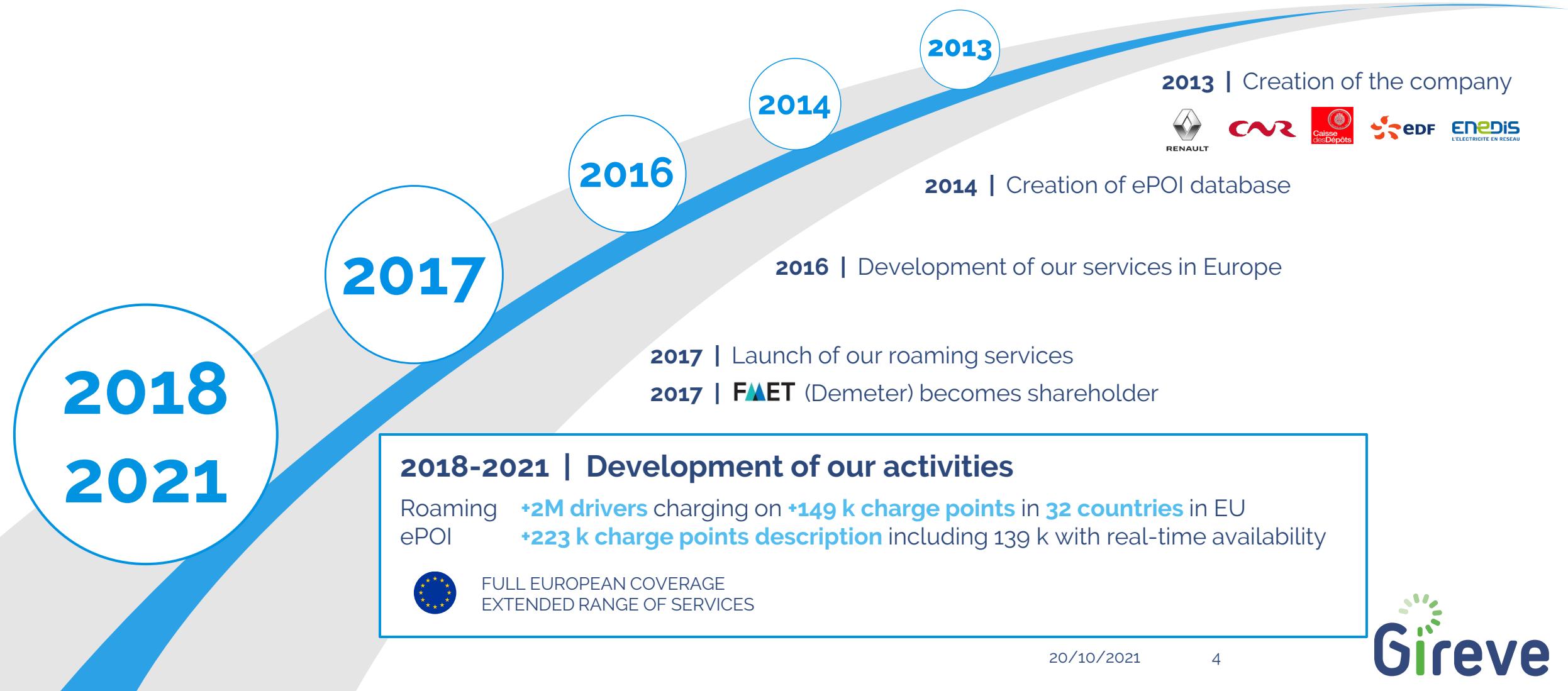
- A robust coverage of 149,000+ charging points managed by 214 CPOs from more than 32 European countries
- 82 eMSP partners including most of the big names in the market use GIREEVE to give their 2,000,000+ EV driver subscribers access to charging

## WE PROVIDE YOU WITH COST-EFFECTIVE SOLUTIONS

- GIREEVE is reducing your operation costs by mutualizing them between its eMSP/CPO customers

## WE TAKE AN ACTIVE PART IN PROMOTING THE E-MOBILITY ECOSYSTEM

- We are a member of the eMobility ICT Interoperability Innovation group (eMI3), as well as OCPI working group and ISO working groups to work on protocols and standards
- We are a founding member of AFIREV (Association pour l'Itinérance de la Recharge Electrique des Véhicules) (FR) and member of several associations in EU: AVERE (FR), REA (GB), AVER (RO), AEDIVE (ES), EVA (IE), PSPA (PL), BEM (DE)





**Eric Plaquet**  
CEO



**Sophie Duval**  
COO



**Jean-Marc Rives**  
CTO



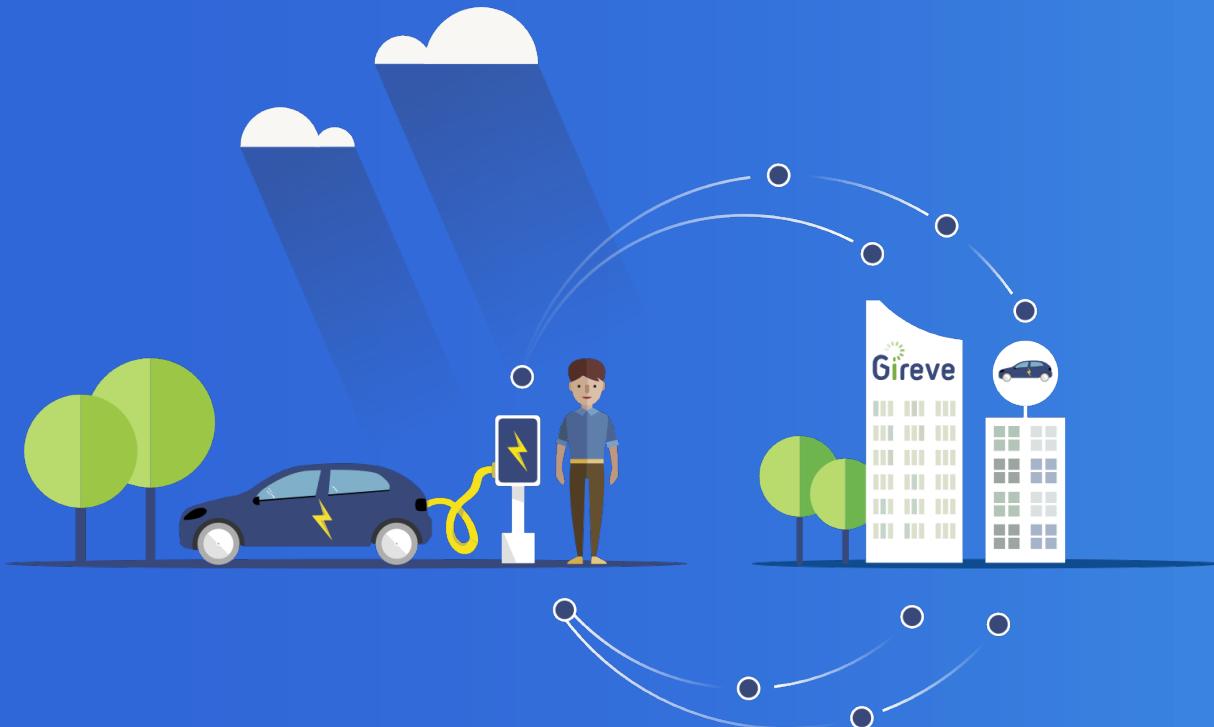
**Marion Arles**  
CIO



💡 GIREVE's experts are dedicated to our core activities:  
**Innovation, Operations and Marketing**

💡 30 employees based in Paris

💡 Additional flexible outsourced IT team (5 to 15 IT  
developers based in France)



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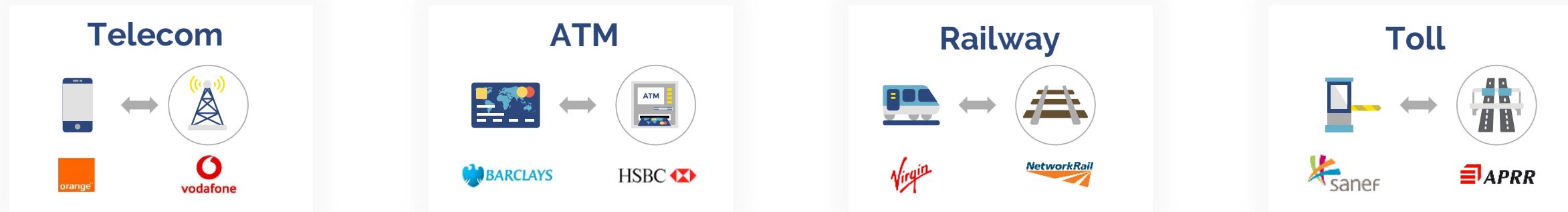
Let's plan for the next steps

## OUR OFFERS

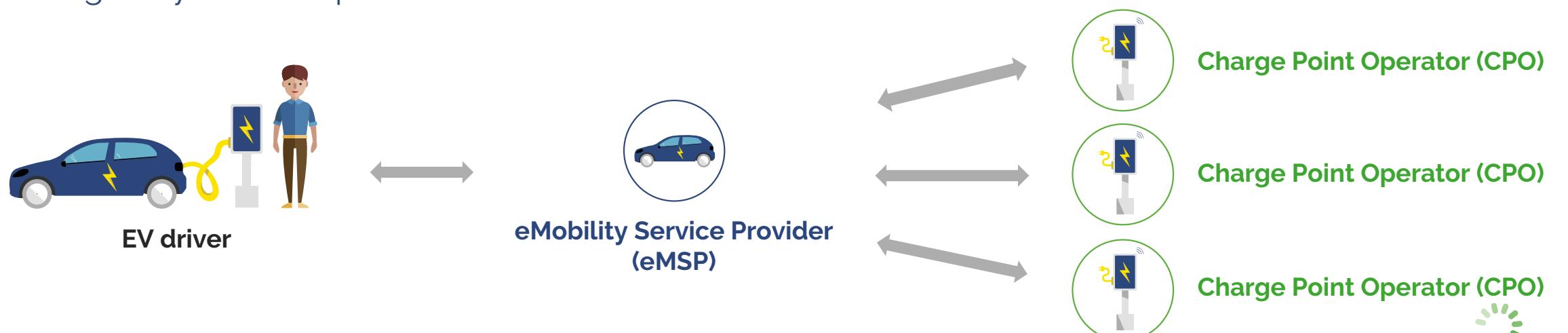
Choose between our OPEN & BOOST! Packages

# ROAMING | EV-Roaming concept

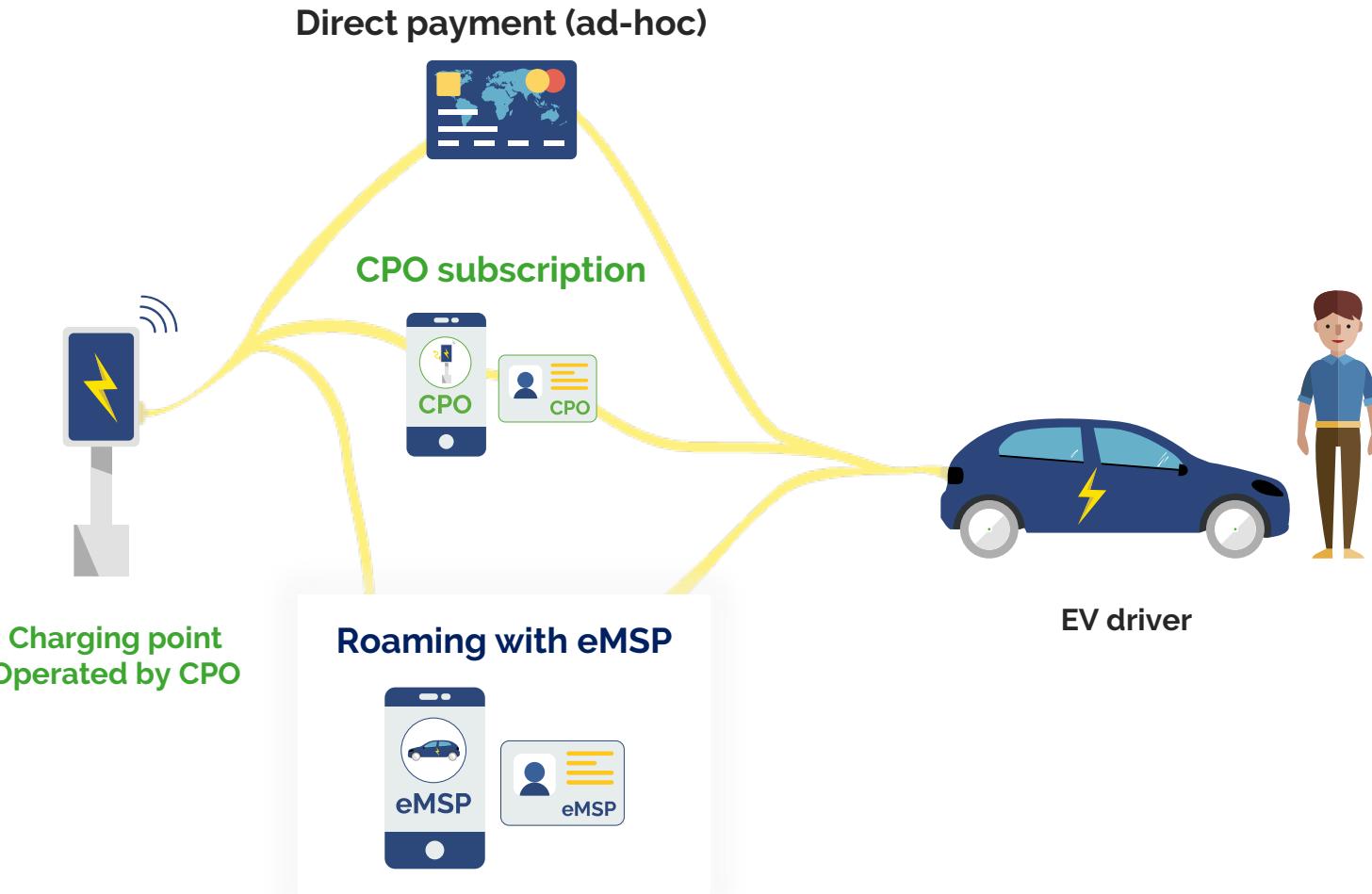
**Roaming** is the ability for a consumer to subscribe to one operator and use the infrastructures of several operators



**eRoaming** is the ability for an EV-Driver to charge with a unique subscription on many different networks managed by several operators



## Roaming is the key to achieve seamless charging across operators and borders



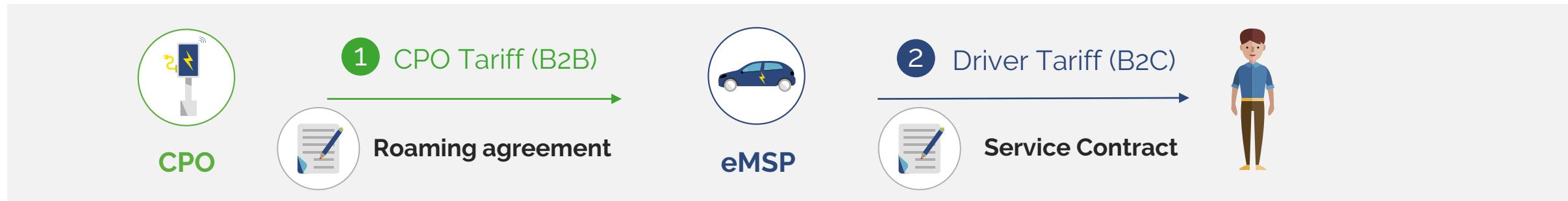
- ✓ Pay as you go
  - ✗ No loyalty program
  - ✗ Limited scope of services (no nav., no real time information, no booking, no transaction overview, etc.)
  - ✗ Access one CPO network
  - ✗ Multiple subscriptions required
  - ✗ No roaming possible
- 
- ✓ Choose your trusted and preferred service provider
  - ✓ Charge anywhere through one eMSP subscription in Europe
  - ✓ Single point of contact for any issue
  - ✓ Multiple access methods: RFID Card, Mobile Phone App and soon Plug&Charge

# ROAMING | Responsibilities of market players



# ROAMING | The Roaming Agreement

**Roaming Agreements** set the B2B tariffs between CPO and eMSP in the market



## 1 CPO sets its tariff to eMSP (B2B)

CPO and eMSP sign a contract called "Roaming Agreement", including a B2B tariff.

**Today:** most B2B tariffs are based on usual unit

*Example of unit: session, time, energy. Day and time of the day*

**Tomorrow:** B2B tariff per volume & dynamic tariff

Tariff per volume: volume of session, time and/or energy

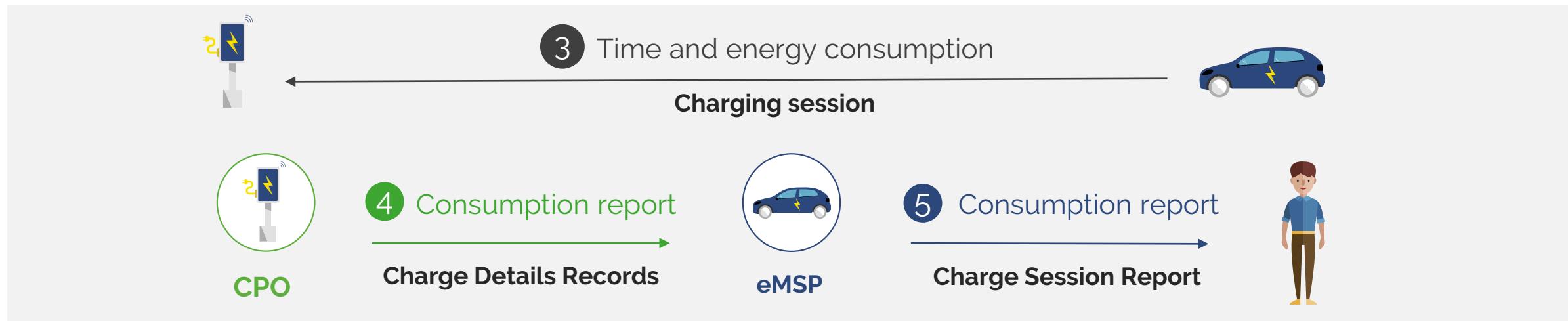
Dynamic tariff: CPO can change the tariff in real-time

## 2 eMSP sets its tariff to the EV Driver (B2C)

Tariff for the end driver is created by the eMSP  
eMSP is free to commercialize the CPO network at its own tariff

# ROAMING | The data exchanges

Consumptions are reported from the CPO to the eMSP and then, from the eMSP to its clients



## 3 EV Driver charges his vehicle

When charging, the driver will consume time and energy. Once finished, the driver ends his charging session.

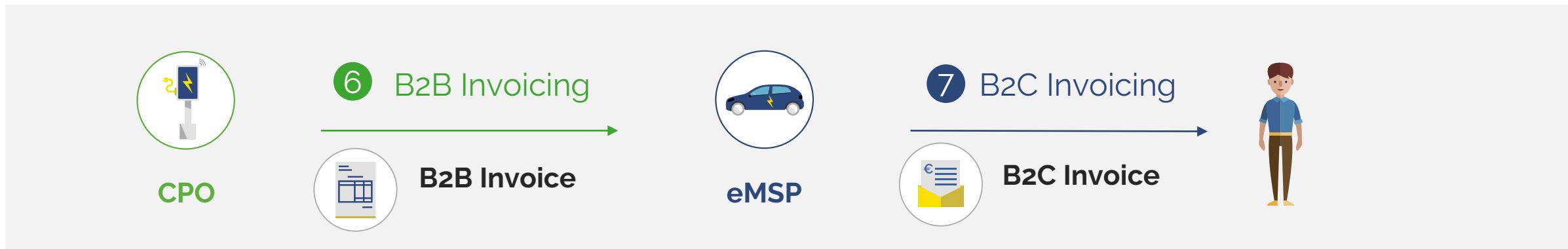
## 4 CPO reports consumption to the eMSP

The Charge Detail Record (CDR) is sent by the CPO to the eMSP including details of the consumption incurred by the EV-Driver.

It contains all necessary data to calculate the B2B price of the charging session.

## 5 eMSP sends consumption report to the EV Driver

**Billing/Invoicing** is provided periodically by the CPO to the eMSP.. The eMSP then bills its client.



## 6 CPO invoices the eMSP

Based on the total energy consumption of eMSP's Drivers, the CPO creates its invoices. Invoices are generally sent on a monthly or quarterly basis.

The total amount is calculated to match all units consumed (energy, time, session) to the tariff previously agreed upon in the roaming agreement.

## 7 eMSP invoices the Driver

Depending on the eMSP's commercial offer, the Driver will be charged:

- Either for each session (i.e. CPO price + eMSP margin)
- or the price of the charging session will be integrated in a global subscription package (i.e. x EUR/month including x hours of charge)

# ROAMING | GIREVE's market positioning

GIREVE reduces the complexity between operators to lower the total cost of roaming



## Interest for the CPO

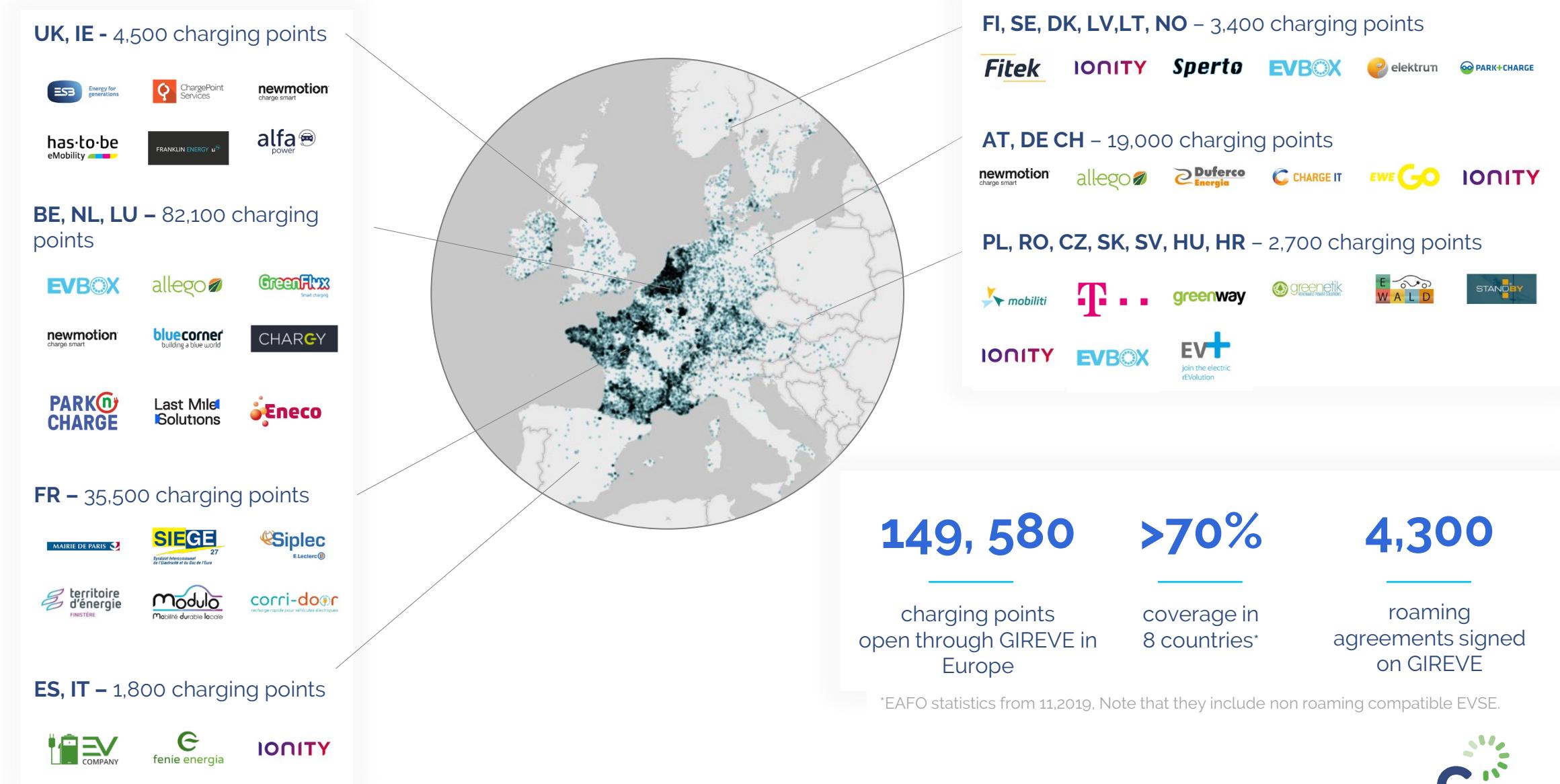
- Simplified contact with multiple eMSPs
- Increased traffic without any additional cost
- Quicker ROI on installation fixed costs

## Interest for the EV driver

- Access a European network with tens of thousands of charging points through only one subscription plan

## Interest for the eMSP

- Simplified contact with multiple CPOs
- Access a great number of charging points, removing the hurdle of mass EV adoption



**besmo**

**bluecorner**  
building a blue world



**bump**



**Clem'**



Digital Charging Solutions GmbH  
(DCS)



**e-totem**



Be:Mo (Total)

Blue Corner

Bouygues Energies et Services

Bump

CarCharger EV Ltd

Carge P.C.

Charge4Europe GmbH

Charge4Go AB

Chargemap

ChargePoint Network

Clem'

Deftpower

Digital Charging Solutions GmbH  
(DCS)

Duferco Energia S.p.A.

E TOTEM

E.V. Universal Charging Limited

Efimob Efficient Solutions S.L.

Electromaps S.L.

**Elli**



**EMOBILITY SOLUTIONS**

**EnBW**

**Eneco**

**enermia**

**ePower**

**etecnic**  
ENERGY AND MOBILITY

**EVBOX**

**evio**

**evziin**

**freshmile**

**GES Go Electric Stations**

**GreenFlux**

**greenway**

**has-to-be**  
EMOBILITY

**izivia**

**JUST PLUGIN**

Justplugin

Elli

elvah GmbH (Kreit)

Emobility Solutions

EnBW

Eneco eMobility B.V.

Enermia

ePower

Etecnic energy and mobility

EVBox B.V.

EVIO

Evziiin

Freshmile Services

Go Electric Stations SRLS

GreenFlux Assets B.V.

GreenWay Infrastructure

Has.to.be GmbH

Izivia (ex-Sodetrel)

**Kiwhi Pass**

**Q8**

**Last Mile Solutions**

**MAINGAU Energie**

**mobiligreen**

**M!**

**MOVE**

**mobiliti**

**octopusenergy**

**optimile**

**PAUA**

**place2oplug**

**plugsurfing**

**PORSCHE**

**RAMBONVILLE TERRITOIRES**

**BOSCH**

**ovway**

Kiwhi Pass Solutions SAS

Kuwait Petroleum N.V.

LMS

MAINGAU Energie

Mobiligreen

Monta

Morbihan énergies

MOVE Mobility SA

MVM Mobiliti Kft.

Octopus Energy

Optimile

PAUA TECH LIMITED

Place to Plug

Plugsurfing GmbH

Porsche Smart Mobility GmbH

Rambouillet Territoires

Robert Bosch GmbH

Robo Charge BV

**ROUTE 220**

**ServiceHouse**  
Smart Body Navigation

**SUIVI DE FLOTTE**

**SPARK HORIZON**

**TanQyou**

**TEVGO**

**newmotion**

**trafineo**

**vandebron**

**WATTZHUB**

**wenea**

**Wirelane**

**ZEborne**

**Ze-Watt**

Route220 S.R.L.

ServiceHouse B.V.

SETIPP (SuiviDeFlotte)

Spark Horizon SAS

TanQyou

TEVGO

The New Motion B.V.

Trafineo Service

Vandebron Energie B.V.

VOLTERAS TECHNOLOGIES LTD

WATTZHUB

WNEA MOBILE ENERGY

Wirelane GmbH

ZEborne

ZE-WATT

## Car Manufacturers

**PORSCHE**

**BMW**

**MINI**

**Mercedes-Benz**

**AUDI**

**Volkswagen**

**Nissan**

**Renault**

**FCA**

**Ford**

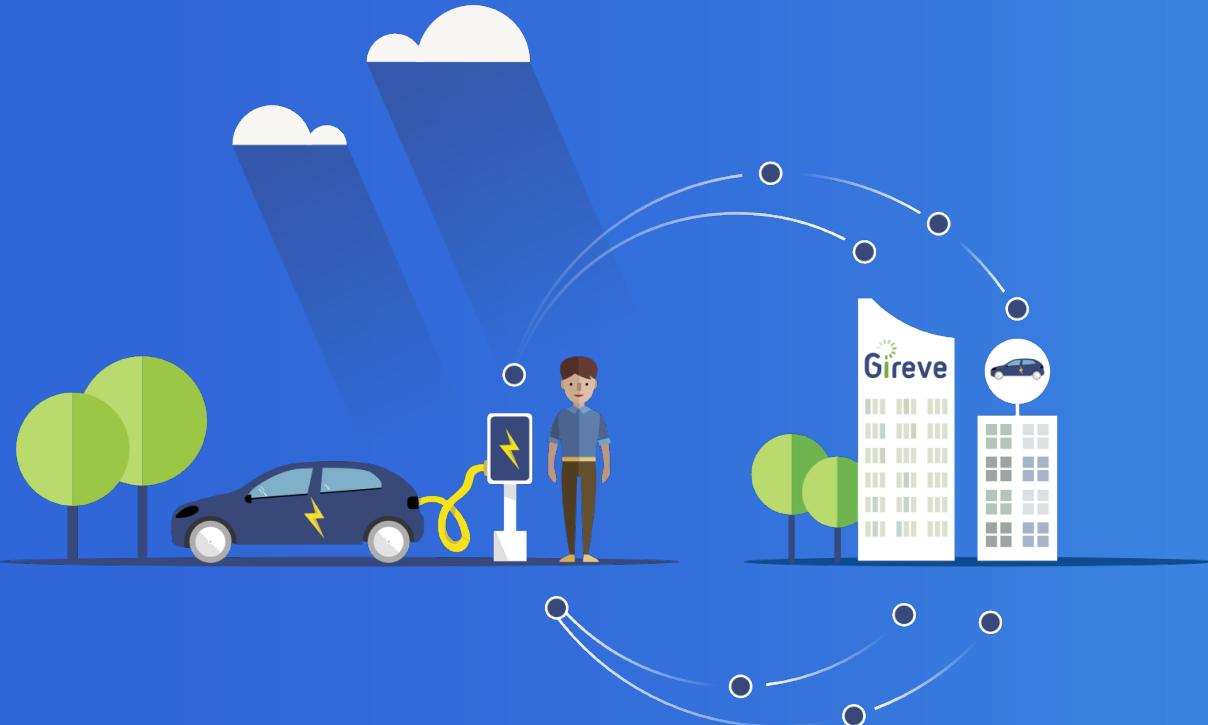
**JAGUAR**

**LAND ROVER**

**HYUNDAI**

**LEXUS**

**KIA**



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## Our 360° services designed to meet your roaming needs



### BUSINESS

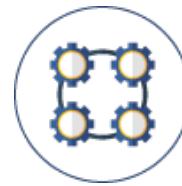
All roaming offers in a digital market place

Public offers accessible by all

Confidential offers for 1 to 1 negotiation

Contractual template and online signature

Management of the T&Cs amendments



### ROAMING

Data flows based on open protocols (OCPI or eMIP)

APIs to locate EVSEs, send or collect the tariff, book, charge & follow up charging sessions

Automated quality controls on charging sessions

Connectivity overview in real-time



### CLEARING

Automated calculation and control of the charging sessions' prices

Dedicated workflow for disputing the charging session or giving its invoicing intention

Generation of the B2B invoices

Invoice submission and download

# OUR SERVICES | Business | Market Place

## BUSINESS

### Market Place

Negotiation

Signature

## ROAMING

Repository

Tariffs

Booking

Authentication

Event

CDR

Check

Supervision

## CLEARING

Follow-up

Billing

Dispute

Intention

Invoicing

Messaging



## ALL ROAMING OFFERS PUBLISHED IN ONE MARKET PLACE

- Interactive map to locate the EVSE networks
- Charging point description
- Tariff of Charging sessions (energy, duration, days and hours, ...)
- Filtering options to easily find the relevant offers
  
- Get visible to all your future roaming partners
- Save time and resources to build your network
- Don't miss any business opportunity by being notified of all new operators

# OUR SERVICES | Business | Negotiation

## BUSINESS

Market Place

Negotiation

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## ROAMING

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## CLEARING

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Intention

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Messaging

The screenshot shows the CONNECT Place platform interface. At the top, there's a navigation bar with links for 'Dashboard', 'Market place', 'My consumption', 'Tools & Support', and user information ('Hello Vianney DEVENNE'). Below the navigation is a logo for 'CONNECT Place'.

The main area has three main sections:

- Left sidebar:** Labeled 'New conversation' with a plus sign icon. It lists several 'Roaming Agreement' items, each with a preview and a 'p...' button.
- Middle section:** A detailed view of a 'Roaming Agreement' from 'JULY 9, 2021'. It includes a message from 'Dear CPO Team at Syndicat Départemental d'Énergie et d'Équipement du Finistère' and a response from 'Dear CPO Team at Syndicat Départemental d'Énergie et d'Équipement du Finistère'. There's also a 'Filter by:' dropdown menu with several options checked.
- Bottom right callout:** A box containing the text 'This offer has other particular conditions (Art. 9)' and a question 'Aimed at :'. Two radio buttons are shown: one selected for 'All E-Mobility service Providers' and one for 'A specific E-Mobility service Provider'.

## ONLINE NEGOTIATION WITH OPERATORS

Conversation threads

The right contact person to negotiate with

Bilateral roaming offer

Flexible T&Cs modification

Thumbs up icon: Negotiate with the relevant contact within the operator's organisation

Thumbs up icon: Use the same contractual workflow for your negotiated roaming agreement

Thumbs up icon: Negotiate T&Cs of your roaming agreements

# OUR SERVICES | Business | Signature

## BUSINESS

Market Place

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## ROAMING

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## CLEARING

Follow-up

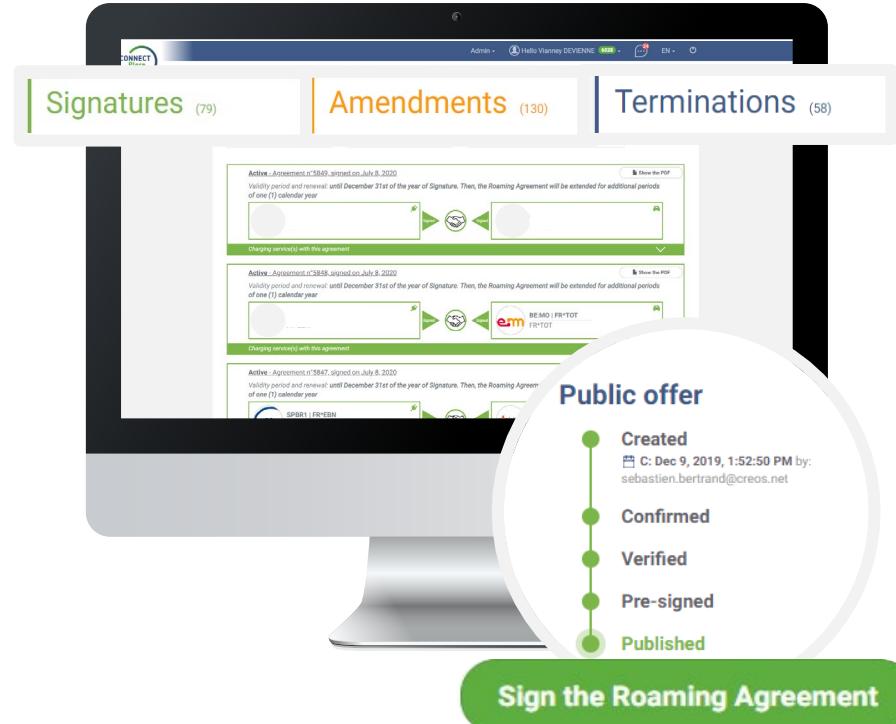
Billing

Dispute

Intention

Invoicing

Messaging



\* Download the roaming agreement template: <https://www.gireve.com/en/download>

## SIGNATURE, AMENDMENT AND TERMINATION

One-click signature

Legal template\* opted by all operators

Sign public and negotiated roaming agreements

Avoid lengthy legal negotiation

Change or terminate agreement, anytime

# OUR SERVICES | Roaming | Repository

## BUSINESS

Market Place  
Negotiation  
Signature

## ROAMING

### Repository

Tariffs  
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## CLEARING

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Messaging



Data collection

Control & formatting

Quality reports

Broadcasting to eMSP



Retrieval through APIs

Continuous update

Real-time availability

## DATABASE OF ALL EVSE OPENED TO ROAMING

Reliable data with standardized freshness and correctness quality controls

Retrieval through APIs in OCPI or eMIP

- thumbs up Save data management costs
- thumbs up Access an updated database
- thumbs up Minimize mistakes thanks to data properly controlled

# OUR SERVICES | Roaming | Tariffs

## BUSINESS

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## ROAMING

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**EVSE ↔ tariff**



**CPO**



**eMSP**

Declaration in the Connect Place

Declaration through OCPI

Declaration through eMIP

Declaration with the location data

Declaration through OCPI

Declaration through eMIP

Consultation in the Connect Place (download in October 2021)

Retrieval through OCPI

Retrieval through eMIP

Spreadsheet download

Retrieval through OCPI

Retrieval through eMIP

## APIS AND WEBSITE FOR THE TARIFFS' EXCHANGE

- Repository of all applicable tariffs in real-time
- Manual or automatic upload and download of the applicable tariff per EVSE
- Compliance with all kinds of tariffs' structures
  
- Save operational costs by automating the tariff management
- Don't miss out on any tariffs update
- Offer complete price transparency to the consumer

## BUSINESS

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## ROAMING

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**Booking**

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EV driver books a charging point in the eMSP app



The eMSP sends a booking request to the CPO through GIREVE



GIREVE transfers the CPO response to the eMSP



Once booked, only the eMSP's subscriber can access the charging point

## BOOKING OF A CHARGING LOCATION

- Booking of location for better charging point occupancy management
- Optional booking of charging slots for smart charging
- Available with eMIP protocol only

👍 Enrich the driver experience

👍 Generate additional revenue with booking

👍 Prepare the future of charging with APIs ready for smart-charging

## BUSINESS

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## CLEARING

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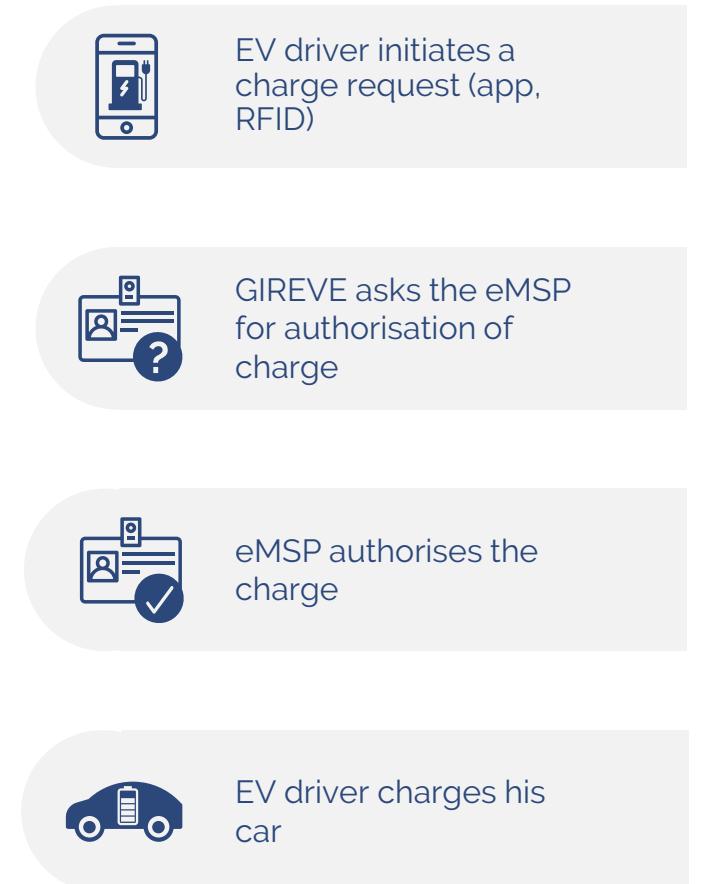
Billing

Dispute

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Invoicing

Messaging



## AUTHENTICATION AND CHARGE

- Local and remote identification (RFID, smartphone application)
  - Synchronous eMSP authorization
  - Optional asynchronous authorization based on white-lists
  - Detection of identifier duplicate
- 
- Provide the EV driver an easy access to charging with the identification media of his choice
  - Avoid any charging session without eMSP's prior consent

## BUSINESS

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## AUTOMATIC EXCHANGE DURING THE CHARGING PROCESS

- Action request from the eMSP (request to suspend, stop or restart a charging session)
- Event report from the CPO (started, suspended, about to be terminated or terminated).
- Regular updates from the CPO on the progress of a charging session by using Intermediate Charge Detail Records (CDRi with ongoing energy and duration)
- Communicate ongoing consumption details and any alerts during charging for a better customer experience
- Enrich the user experience

## BUSINESS

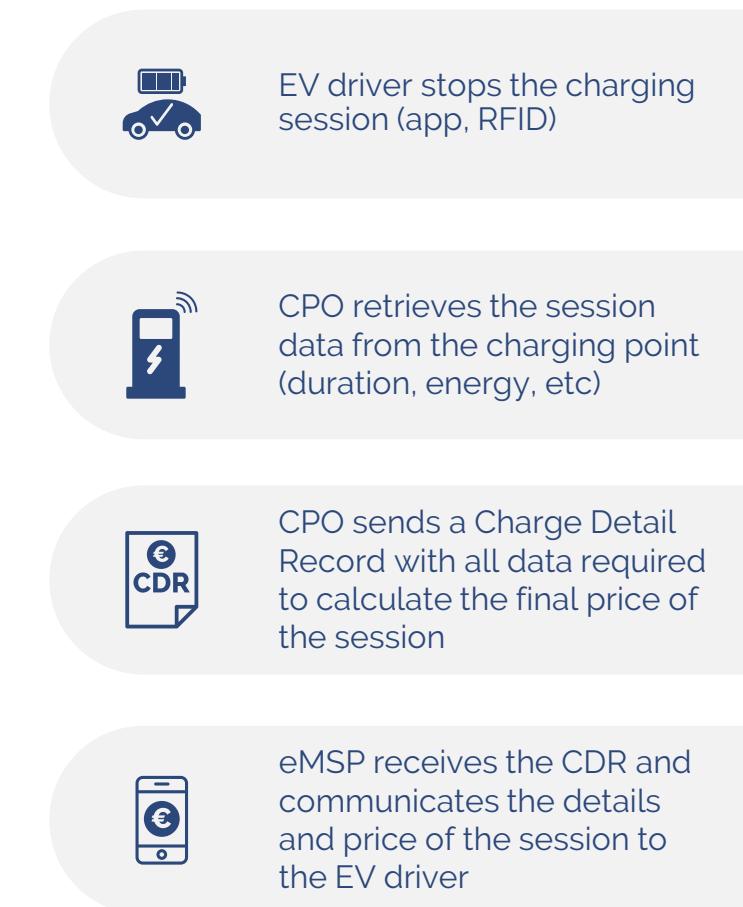
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## CHARGE DETAIL RECORD EXCHANGE

- Compliance with all kinds of meters containing at least energy and duration
- Tracking by 3 identifiers (CPO, eMSP, GIREVE)
- Real-time transfer to the eMSP
- Management of CDR versions in case of first sending with error

Compliant with "Eichrecht" regulation

- Manage the charging session details exchange in a standardized format
- Ensure a secured transfer of sensitive data
- Manage a proper CDR tracking

# OUR SERVICES | Roaming | Check

## BUSINESS

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## CDR'S QUALITY CONTROL

- Automated set of controls performed in real-time and on each CDR
  - Highlighting of missing, incorrect or incomplete data
  - Display in the Connect Place with filtering to easily identify errors
  - Results also available through eMIP protocol
- 
- Reduce your after-sales service by detecting CDR errors before EV-Drivers do
  - Improve and standardise your quality management thanks to 3<sup>rd</sup> party controls

# OUR SERVICES | Roaming | Supervision

## BUSINESS

- Market Place
- Negotiation
- Signature

## ROAMING

- Repository
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- Booking
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- Check
- Supervision**

## CLEARING

- Follow-up
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- Invoicing
- Messaging



## TECHNICAL SUPERVISION OF OPERATORS

- Overview of GIREVE's platform status
- Overview of your roaming partners' status
- Monitor the status of your roaming network at a glance
- Anticipate charging issues
- Analyze the root causes of an incident
- Follow the recovery of the networks

# OUR SERVICES | Clearing | Follow-up

## BUSINESS

Market Place  
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## CLEARING

**Follow-up**  
Billing  
Dispute  
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The screenshot displays the Gireve Connect Place software interface. At the top, there's a logo for 'CONNECT Place' with a green circular graphic. Below the logo, a tablet screen shows a 'My sessions' dashboard with two entries: 'eMSP 1' and 'eMSP 2'. Each entry includes icons for battery, energy, and time, followed by specific values like '48', '628 kWh', '8 d 20 h 18 mn', and '223.40 EUR'. To the right of the tablet, a larger monitor screen shows a detailed view of a charging session. It includes a 'Session ID' (72455eb4-4a57-44de-8dc2-99a5b5b72e8b), date (5/31/20, 9:51 PM), location (0928, FR\*SEO\*EAB79I), and partner (FR\*). Below this, a summary of costs is shown in multiple currencies: 251.44 CHF, 118,643.30 EUR, 1,450.86 HUF, 105.12 GBP, 2,497.31 DKK, 873.60 NOK, and 1,628.64 SEK. At the bottom of the interface, there's an 'Advanced search' section with fields for 'All CPOs', 'Search a session ID', and various filters like 'Session duration', 'Energy quantity', 'Session state', 'Invoicing intention', and 'Billing value'. There are also 'Check GIREVE - 1', 'Cancel filters', and 'Apply filters' buttons.

## ALL THE CHARGE DETAILS RECORDS, CENTRALISED IN YOUR PRIVATE CONNECT PLACE ACCOUNT

- Aggregation by roaming partners
- All details of a session recorded by the CPOs
- Filtering options to easily find the relevant charging session
- Download of charging sessions per period
- Easily identify and analyse a charging session in case of disagreement
- Monitor the ongoing consumption per roaming partner (total session, duration, energy, etc.) in real time

# OUR SERVICES | Clearing | Billing

## BUSINESS

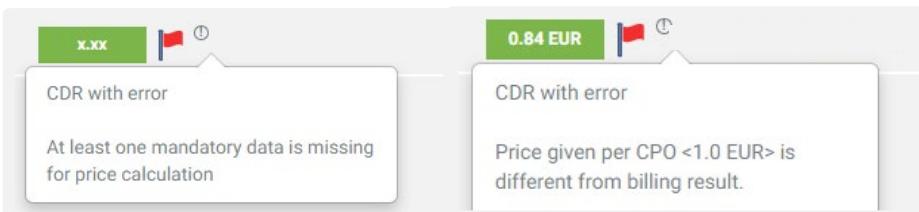
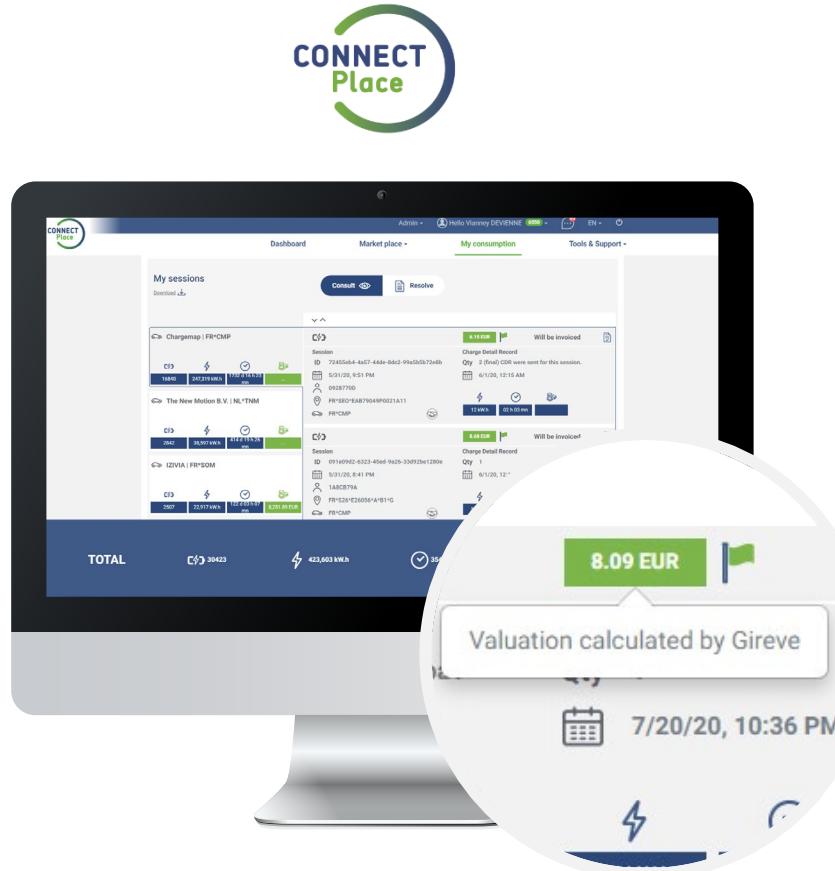
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## CLEARING

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Messaging



# OUR SERVICES | Clearing | Dispute

## BUSINESS

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Supervision

## CLEARING

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Intention  
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Messaging



## DISPUTES OVER CHARGING SESSIONS (FOR EMSP)

- Dispute creation and follow-up
  - Unique and multiple disputes
  - Qualification of the reason for dispute
  - Email notification option
- 
- Avoid costly operations by settling your disagreements before invoicing
  - Avoid unpaid invoices
  - Manage disputes with an easy step-by-step framework

# OUR SERVICES | Clearing | Invoicing intention

## BUSINESS

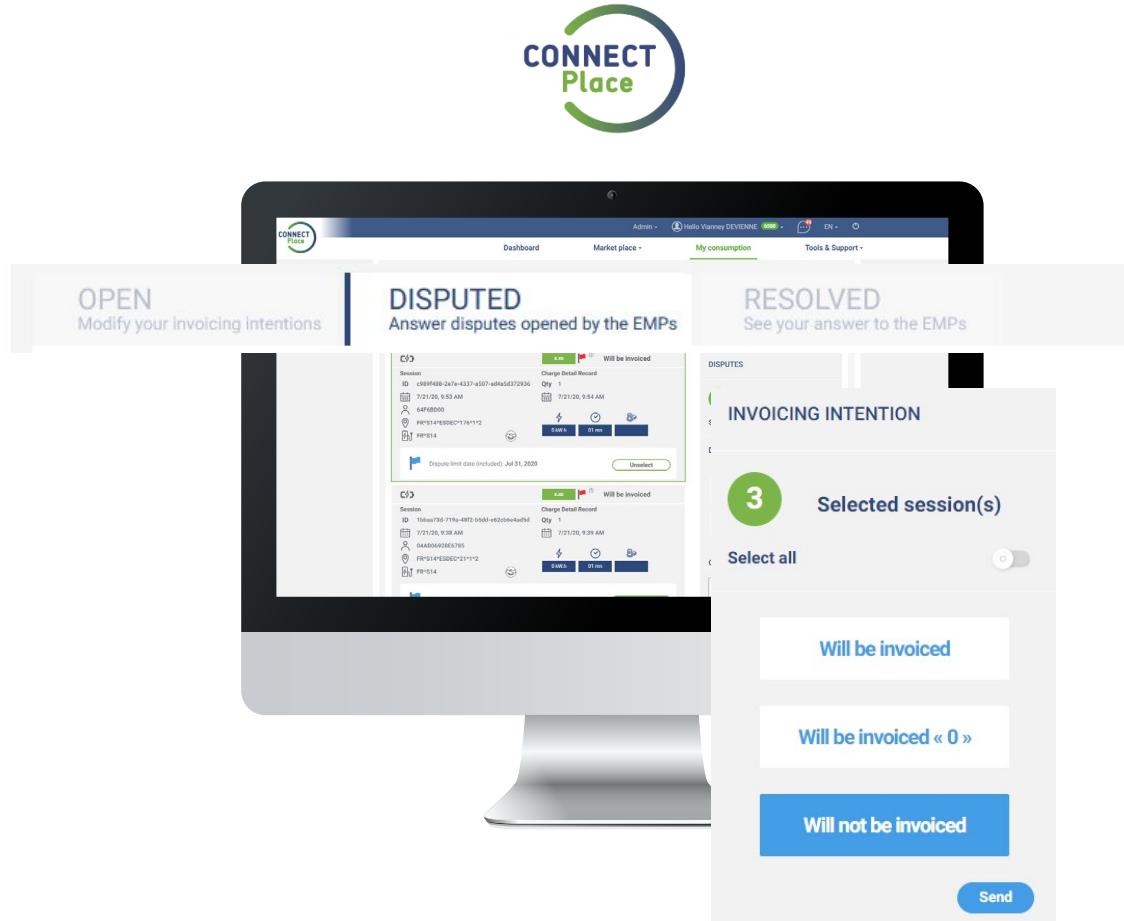
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## CLEARING

Follow-up  
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**Intention**  
Invoicing  
Messaging



## INVOICING INTENTION (FOR CPO)

- Invoicing intention transmission for each charging session
- Unique or multiple transmission
- Follow-up on the Connect Place

- Avoid disputes over your invoices by communicating your invoicing intentions to your partners upstream
- Reduce the administrative burden of managing complaints from your partners and anticipate your commercial actions
- Simply inform your partners of your decision after a dispute over a charging session

## BUSINESS

- Market Place
- Negotiation
- Signature

## ROAMING

- Repository
- Tariffs
- Booking
- Authentication
- Event
- CDR
- Check
- Supervision

## CLEARING

- Follow-up
- Billing
- Dispute
- Intention

### Invoicing

- Messaging



### A DEDICATED TEAM TO PREPARE AND SEND THE INVOICES

- Invoice generation for roaming transactions
  - Invoice based on tariffs negotiated in your roaming agreements
  - Roaming-related invoices gathered in one place
- 
- Reduce costs by having GIREVE handle invoices
  - Make sure invoices are sent to the right contact person

# OUR SERVICES | Clearing | Messaging

## BUSINESS

- Market Place
- Negotiation
- Signature

## ROAMING

- Repository
- Tariffs
- Booking
- Authentication
- Event
- CDR
- Check
- Supervision

## CLEARING

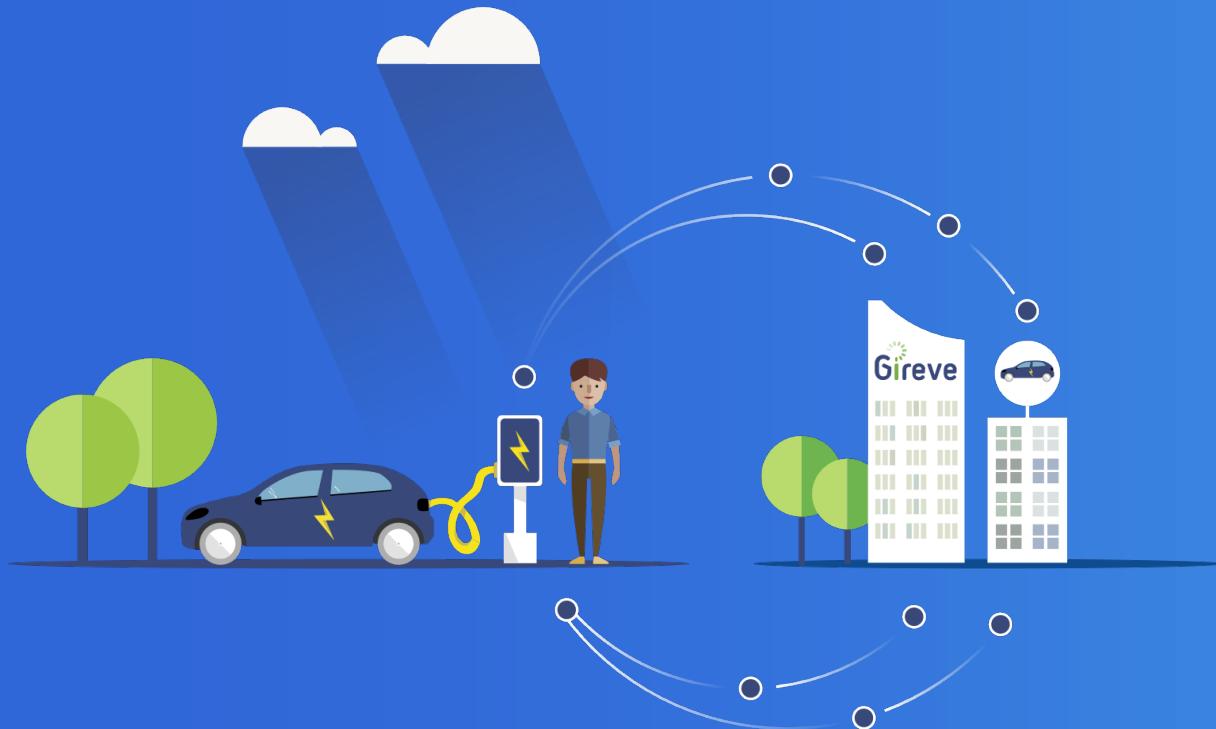
- Follow-up
- Billing
- Dispute
- Intention
- Invoicing

### Messaging



## INSTANT MESSAGING WITH YOUR ROAMING PARTNERS

- Conversation threads
- The right contact to ask questions related to invoicing and payment
- React to requests on charging sessions or invoices efficiently
- Save time and always speak to the right contact
- Store all conversations with your roaming partners and check your conversation history anytime



## GIREVE

Get to know where we come from

## INTRODUCTION TO ROAMING

Understand the concepts of Roaming

## OUR SERVICES

Our solutions to manage your roaming activities

## YOUR ONBOARDING

Let's plan for the next steps

## OUR OFFERS

Choose between our OPEN & BOOST! Packages

# YOUR ONBOARDING

3 quick and easy steps to start your roaming activities with GIREVE

1

## Get connected

Connect your IT system  
to GIREVE if not certified



2

## Subscribe

Starter or Advanced:  
choose the package that  
suits you!



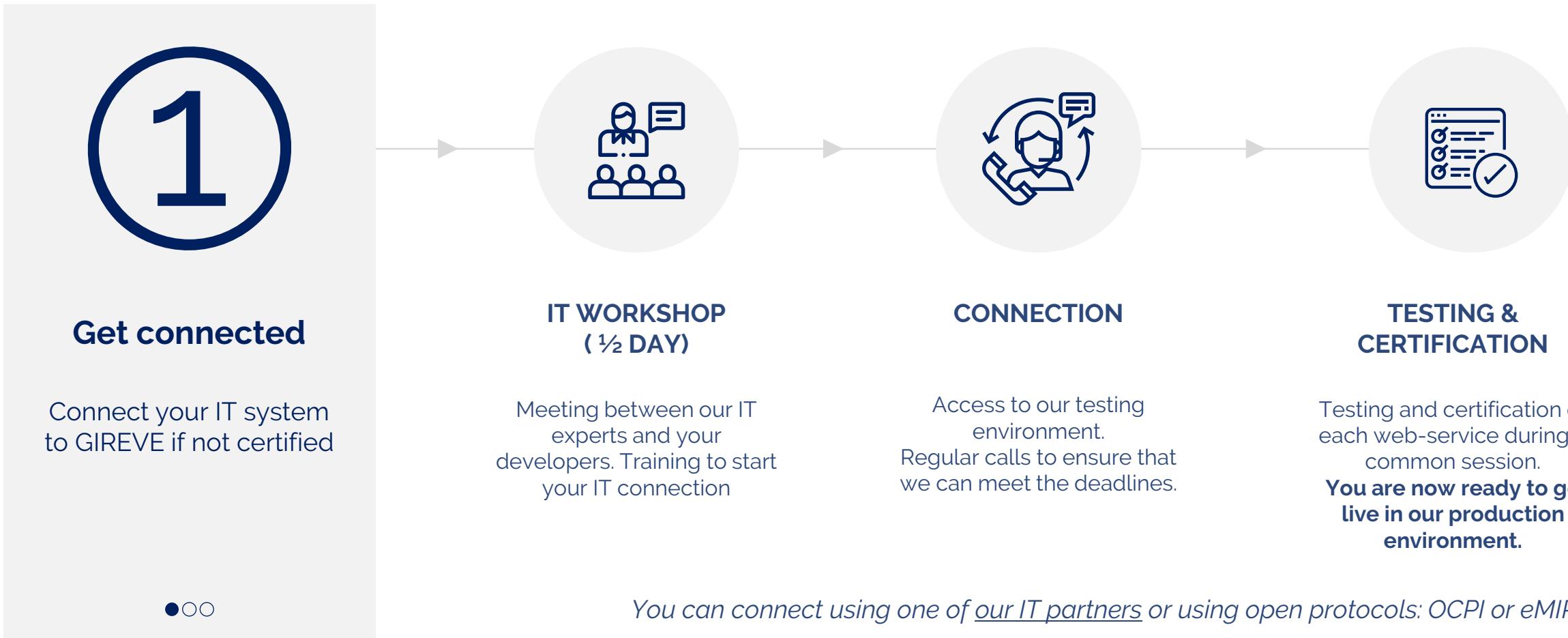
3

## Start roaming

Join our Connect Place to  
negotiate and sign  
agreements and roam  
with your partners.



## Connection of IT backend



## Back-End Systems connected to GIREVE's platform

 Accor Solutions
 ALL IN FACTORY (Wattpark)
 Allego B.V.
 Ampeco Ltd
 Atomelec
 Autobahn Tank & Rast GmbH
 BKK Elektrifisering AS
 Blue Corner
 Bosch Software Innovations GmbH
 Bouygues Energies et Services
Carge P.C.
 CC Energie SA
 Charge Point SRL (PlugPoint)
 Charge4Go AB
 ChargeCloud GmbH
 ChargeIT mobility GmbH
 Chargemap
 ChargePoint Network (Netherlands) B.V.
 ChargePoint Services Limited
 CLEM' SAS MOPEASY
 COFIROUTE
Cogelum IDF
 Comfortcharge GmbH
 Deftpower
Digital Charging Solutions GmbH (DCS)

 DKV Euro Service GmbH & Co. KG
 Driivz Ltd.
 DRIVECO
 Duferco Energia
 EB CHARGING LTD (Electric Blue)
 Efimob Efficient Solutions S.L.
 Ejoin s.r.o.
 Electric 55 Charging
 Electromaps S.L.
 elvah GmbH (Kreait)
 EnBW mobility+ AG & Co. KG
 ENGIE Chargepoint Network
 Ensto Chago Oy
 Etechnic Energy & Mobility
 ETREL d.o.o
 EV Point
 EVBox B.V.
 evio
 Fenie Energia
 Fortum Charge & Drive B.V.
 Freshmile Services
 Go Electric Stations SRLS
 Go To-U
 GreenFlux Assets B.V.
 Grønn Kontakt AS
 Grupo Easycharger

 Grupo Etra
 Has.to.be GmbH
 IBERDROLA CLIENTES, S.A.U.
 Ineo Tinea
 innogy SE
 Izivia
 Kiwhi Pass Solutions SAS
 Lafon
 Liikennevirta Oy (VIRTA)
 Mobilygreen
 Mogile Technologies (Chargehub)
 Monta
 MVM Mobiliti Kft.
 Nexans Power Accessories France
 Octopus Energy Ltd
 Optimile
 PARKNPLUG
 Place to Plug
 Plugsurfing GmbH
 Porsche AG
 Powerdale
 PSG Procurement Services GmbH
 Qovoltis
 Robo Charge BV
 Rossini Energy
 Route220 S.R.L.

 SAP Labs France SAS
 See You Sun
 ServiceHouse B.V.
 SETIPP (SuiviDeFlotte)
 SGA Automation
 SimpleCharge GmbH
 Smart Charging Kft.
 Softcom Technologies SA
 SPIE CityNetworks
 Tandemdrive BV
 TanQyou
 newmotion The New Motion B.V.
 Last Mile Solutions Threeforce B.V. ( Last Miles)
 TOTAL Total EV Charge Services
 TOTAL Marketing & Services
 Trafineo Service GmbH
 Travelcard B.V.
 ubitricity Ubitricity Gesellschaft für vernetzte Energiesysteme mbH
 Vandebron Energie B.V.
 Volkswagen Group Charging GmbH
 VOLTERAS TECHNOLOGIES LTD
 Wellborne
 WENEA MOBILE ENERGY S.L.
 Wirelane GmbH
 ZE-WATT

## Subscription to our packages

2

### Subscribe

Starter or Advanced:  
choose the package that  
suits you best!



DISCOVER  
SERVICE  
RANGES

CHOOSE  
YOUR  
SERVICE  
PACKAGE

SUBSCRIBE  
& USE OUR  
SERVICES

 **OPEN!**

for Charging Point Operators

**OPEN! Starter**

**OPEN! Advanced**

 **BOOST!**

for eMobility Service Providers

**BOOST! Starter**

**BOOST! Advanced**



**Business services**



**Roaming services**



**Clearing services**



## OPEN!

for Charging Point Operators



## BOOST!

for eMobility Service Providers

**OPEN! Starter**

**OPEN! Advanced**

**BOOST! Starter**

**BOOST! Advanced**

*Everything in Starter  
and ...*

*Everything in Starter  
and ...*

### **Business Services**

Publish / Access roaming offers, negotiate and sign roaming agreements

### **Roaming Services**

Exchange technical data with your roaming partners to enable EV drivers to book, access and charge everywhere

### **Clearing Services**

Send / Receive invoices and manage disputes

Roaming offer publication

Agreement signature

API for a standard charging service

Follow-up of your consumptions

Negotiation with Operators

Automatic sending of applicable tariff for each charging point

Billing of your consumptions

Invoicing preparation module

Online roaming agreement signature

API for standard charging experience

Follow-up of your consumptions

Offer analysis

Technical monitoring & alerting

Reception of applicable tariff for each charging point

Billing of your consumptions



## BUSINESS

		OPEN! Starter	OPEN! Advanced	BOOST! Starter	BOOST! Advanced
Market Place	Set-up of your company and admin accounts	✓	✓	✓	✓
	GIREVE's support for your onboarding	✗	✓	✗	✓
	Publish (OPEN!) / Access (BOOST!) public roaming offers (for all eMSP)	✓	✓	✓	✓
	Publish (OPEN!) / Access (BOOST!) private roaming offers (from a negotiation)	✓ <small>If activated by eMSP</small>	✓ <small>If activated by CPO</small>	✓	✓
	Access roaming offer analysis	-	-	✗	✓
Negotiation	Send a message to an operator	✗	✓	✗	✓
	Reply to a message from an operator	✓	✓	✓	✓
Signature	Amend the GIREVE's roaming agreement template	✗	✓	-	-
	Pre-signature of roaming agreements	✓	✓	-	-
	Sign your Roaming Agreements online in the Connect Place	✓	✓	✓	✓
	Sign your Roaming Agreements outside the Connect Place	✓ <small>If activated by eMSP</small>	✓ <small>If activated by eMSP</small>	✓ <small>If activated by CPO</small>	✓ <small>If activated by CPO</small>

# Subscribe | Package details | Roaming



**ROAMING**

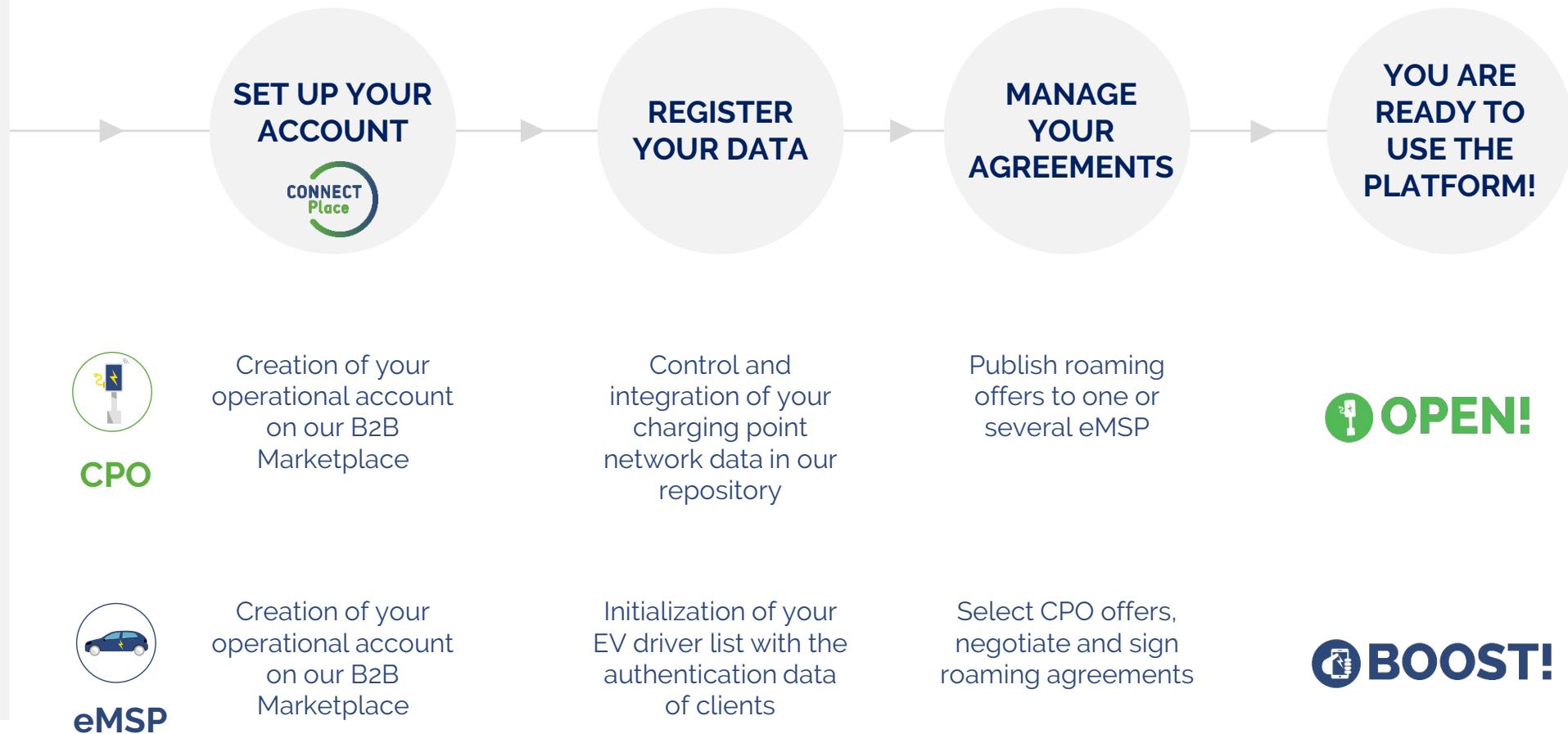
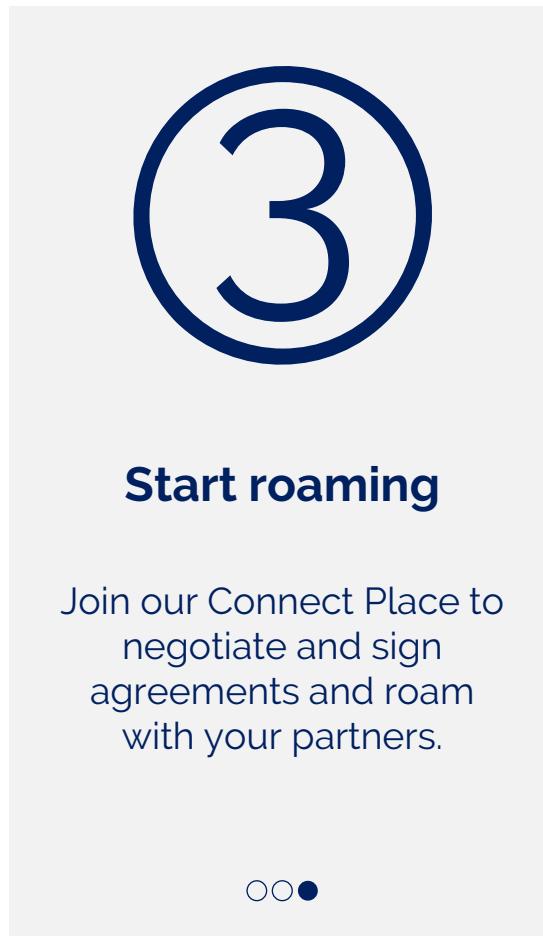
		OPEN! Starter	OPEN! Advanced	BOOST! Starter	BOOST! Advanced
<b>Repository</b>	Upload (OPEN!) / Reception (BOOST!) of charging points description	✓	✓	✓ Weekly	✓ Daily
	Update (OPEN!) / Reception (BOOST!) of charging points availability status	✓	✓	✓ Every 3 min	✓ Every min
	Quality control of your data (OPEN!) / Cleaning of static & dynamic data (BOOST!)	✗	✓	✓	✓
	Data displayed on your own branded media (Website, smartphone App)	-	-	✓	✓
	Data display on your partners' medias (Website, App, onboard navigation)	-	-	Contact us	
<b>Charging (Tariffs, Booking, Authentication)</b>	Uploading (OPEN!) / Downloading (BOOST!) the B2B tariffs of an EVSE	✓	✓	✓	✓
	Immediate Booking of a Charging Point	✓	✓	✓	✓
	Authenticate and authorise a charging session (Local-RFID & Remote-App)	✓	✓	✓	✓
<b>Events &amp; CDR</b>	Send (OPEN) / Receive (BOOST) events during a session	✓	✓	✓	✓
	Receive (OPEN) / Send (BOOST) requests during a session	✓	✓	✓	✓
	Send (OPEN) / Follow (BOOST) consumption status during a session	✓	✓	✓	✓
	Send (OPEN) / Receive (BOOST) Charge Detail Records after a session	✓	✓	✓	✓
<b>Check &amp; Supervision</b>	Service status of GIREVE's platform	✓	✓	✓	✓
	Service status of your partners & Technical alerts from your partners	✗	✓ Coming soon	✗	✓ Coming soon
	CDR quality control	✗	✓	✗	✓

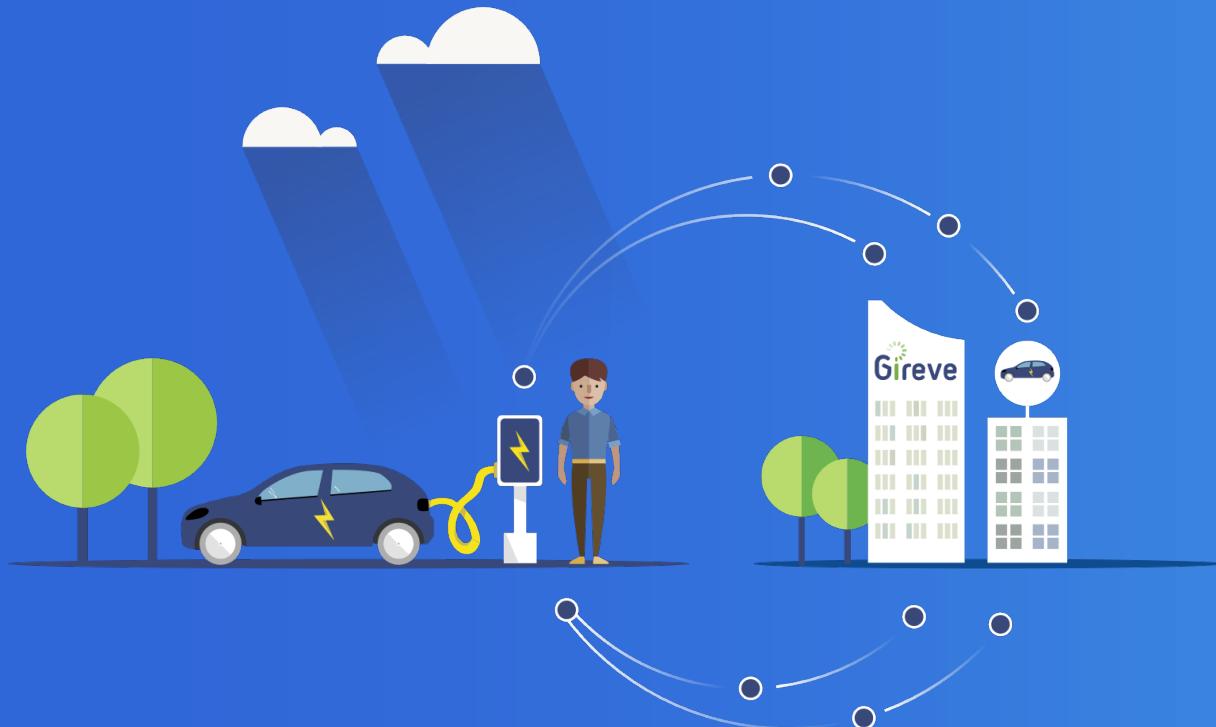


## CLEARING

		OPEN! Starter	OPEN! Advanced	BOOST! Starter	BOOST! Advanced
<b>Follow-up</b>	Consult & download the charging sessions reports from the Connect Place	✓	✓	✓	✓
<b>Billing</b>	Calculate a charging session's price automatically based on the tariff conditions of your roaming agreement	✗	✓	✗	✓
<b>Dispute</b>	Receive & answer (OPEN!) / Send (BOOST!) disputes on Connect Place	✓	✓	✓	✓
	<small>If activated by CPO</small>				
<b>Invoicing intention</b>	Send (OPEN!) / Receive (BOOST!) the invoicing intention on the Connect Place	✗	✓	✓	✓
<b>Invoicing</b>	Send (OPEN!) / Receive (BOOST!) invoices on the Connect Place	✓ <small>If subscribed by eMSP partner</small>	✓ <small>Coming soon</small>	✓ <small>If subscribed by CPO partner</small>	✓ <small>Coming soon</small>
	Delegating the invoicing process to GIREVE	✗	✓	-	-
<b>Messaging</b>	Send a message to an Operator	✗	✓	✗	✓
	Reply to a message from an Operator	✓	✓	✓	✓

## Start roaming





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## Get connected

Connect your IT system  
to GIREVE



### One-time connection fee

**Invoice:** Upon confirmation of order | **Payment:** 30 days after the end of the month | **Duration:** 3 months support until certification

Using one of our IT partners already connected to GIREVE

0 €



OR



CPO

eMSP

5 000 €



AND



CPO

eMSP

7 000 €



## Subscribe

Starter or Advanced:  
choose the package that  
suits you best!



### Yearly subscription fee

**Invoice:** Upon subscription and on renewal dates | **Payment:** 30 days after the end of the month | **Duration:** 1-year subscription, automatic renewal

**OPEN! Starter**

0 € /year

**OPEN! Advanced**

4,000 € /year

### Usage fees

**Invoice:** quarterly | **Payment:** 30 days after the end of the month | **Invoicing conditions:** 1 CPO Operation, option available with Advanced Package

**Roaming & Booking**

0 € /session

**Invoicing (option)**

4 % of the invoice



## Subscribe

Starter or Advanced:  
choose the package that  
suits you best!



### Yearly subscription fee

**Invoice:** Upon subscription and on renewal dates | **Payment:** 30 days after the end of the month | **Duration:** 1-year subscription, automatic renewal | **ePOI data:** Consult us for data usage conditions

**BOOST! Starter**

3,000 € /year

**BOOST! Advanced**

8,000 € /year

### Usage fees

**Option 1:** Roaming & Booking | Transaction Credits

[All details on next pages](#)

**Option 2:** Roaming & Booking | Active End-Driver

[All details on next pages](#)



## Subscribe

Starter or Advanced:  
choose the package that  
suits you best!



### Usage fees, option 1: Roaming & Booking | Transaction Credits

A volume of **prepaid transactions** usable **without any time limits**

- The Transaction Credits' offer is based on a fixed price per volume of credits
- Each charging session is the equivalent to one credit. As soon as a charging session is recorded, total number of credits is decreased by one.
- The unit price of a credit depends on the credit package chosen in the table below.
- Once the credits package has been used up, it is required to purchase a new credits package. Otherwise the unit price of an additional credit is invoiced 2.00 € excl. VAT.

**Invoice:** Upon confirmation of Credit package and at any renewal | **Payment:** 30 days after the end of the month

Credit package	Price
1 000	850.00 € (0.85 €/credit)
10 000	5 000.00 (0.50 €/credit)
30 000	12 500.00 (0.42 €/credit)
50 000	17 000.00 (0.34 €/credit)

#### Example

Total number of customers:  
Total number of active customers:  
Total number of charging transactions:

5 000 (not relevant for calculation)  
2 000 (not relevant for calculation)  
3 000

#### Invoice

**Credit package:** 50 000  
**Price per charging session:** 0.34 € x 3000  
**TOTAL** = 1 020.00 € excl. VAT  
**TOTAL** = 1 020.00 € excl. VAT



## Subscribe

Starter or Advanced:  
choose the package that  
suits you best!



## Usage fees, option 2: Roaming & Booking | Active End-Drivers

A **monthly fee per EV Driver** who has incurred **at least one charging transaction during the month**.

- The Active Client's offer is based on :
  - a unit price per single UID registered during a calendar month and for which at least one charging transaction has been recorded during the month.
  - a unit price per charging session recorded during the month
- As soon as a new UID is used to start a charging transaction, total number of active client is incremented by one.
- As soon as a charging transaction is registered, total number of charging transaction is incremented by one.
- Price per active client and price per charging transaction depend on total number of active clients as per follow:

**Invoice:** quarterly | **Payment:** 30 days after the end of the month

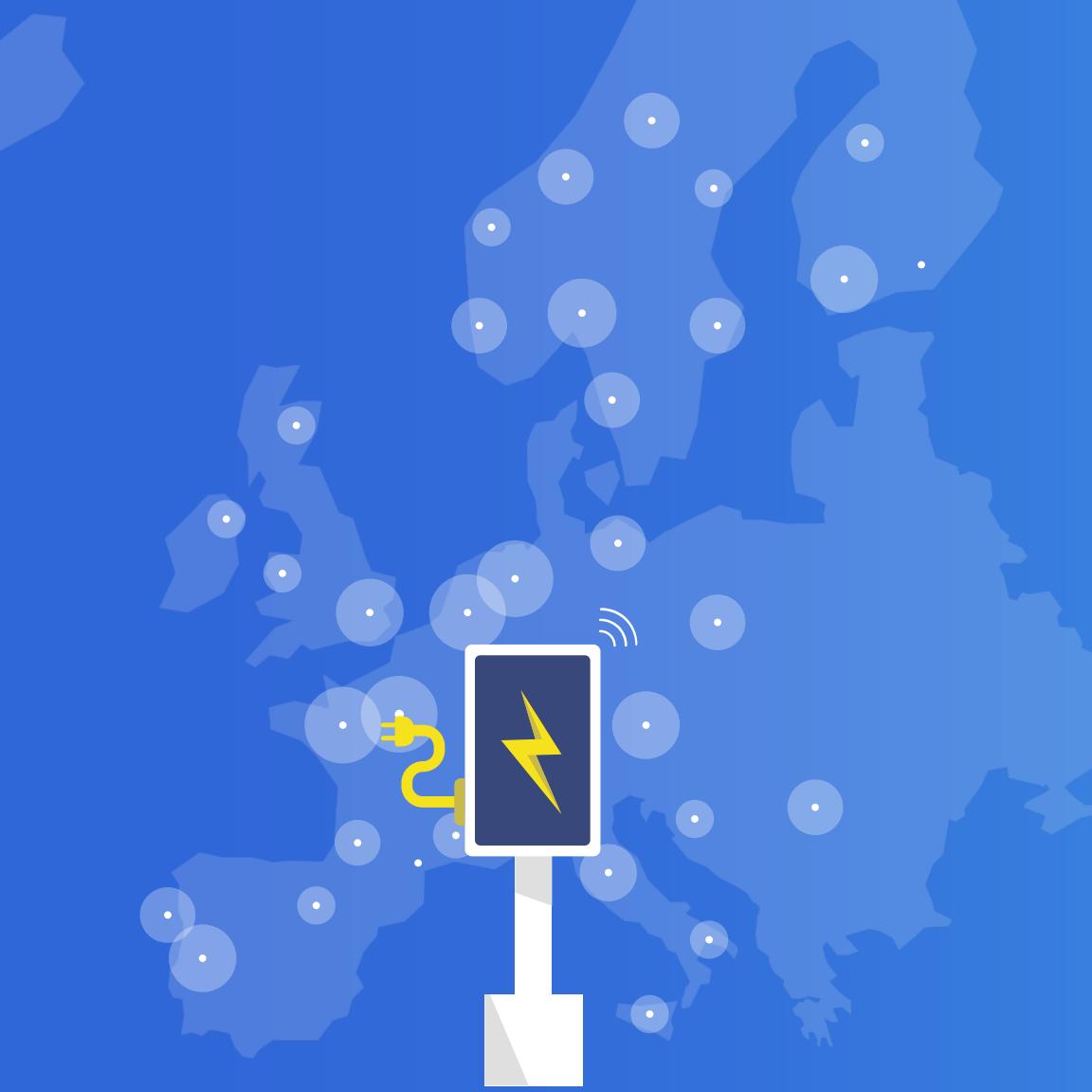
Active End-Drivers (recorded during a calendar month)	Price / active client	Price / charging session
1 - 1 000	0.83 €	0.25 €
1 001 – 5 000	0.67 €	0.21 €
> 5 000	0.42 €	0.17 €

### Example of a monthly invoicing

Total number of customers: 5 000 (not relevant for calculation)  
Total number of active customers: 2 000  
Total number of charging transactions: 3 000

### Invoice

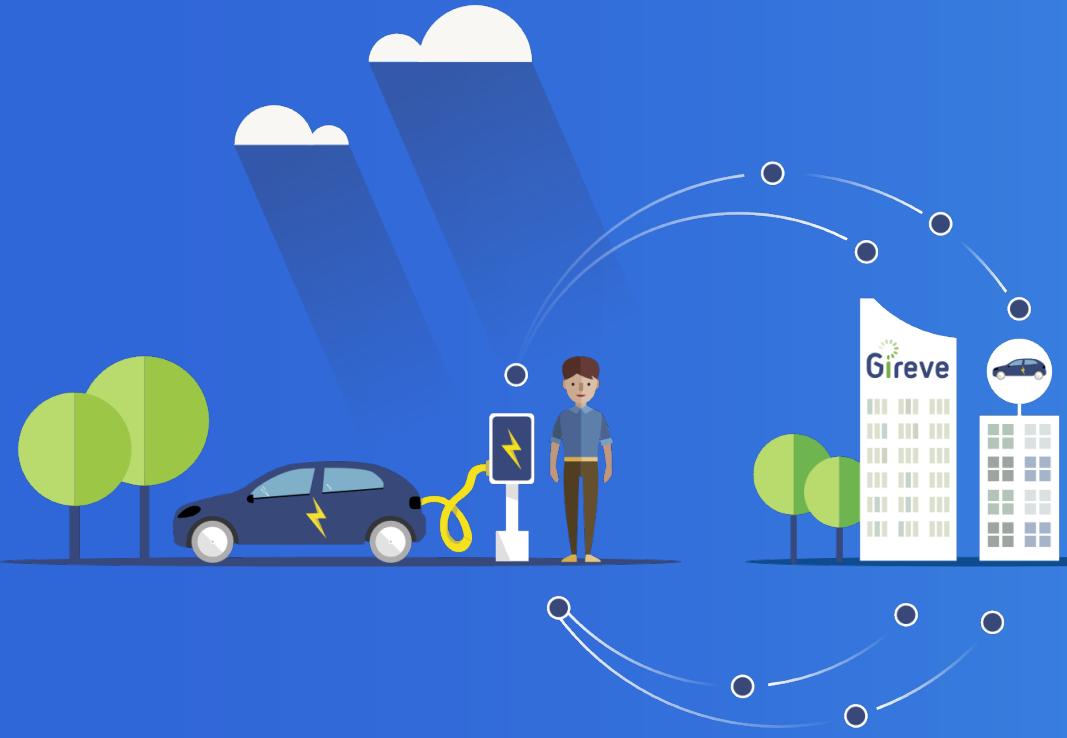
**Price per active customer:**  $€ 0.67 \times 2\,000 = 1\,340.00$  € excl. VAT  
**Price per charging transaction:**  $€ 0.21 \times 3\,000 = 630.00$  € excl. VAT  
**TOTAL**  $= 1\,970.00$  € excl. VAT



# Why should you choose us?

- We comply with **open protocols to connect you to our Roaming Platform**: you make one IT development investment that you can use for other purposes.
- Our **Connect Place brings you competitive advantages** and gives you all the **flexibility to publish offers, negotiate and sign roaming agreement** in a single click.
- Our pricing policy supports the roaming activities of our clients: To access your network, eMSPs prefer GIREVE's roaming platform as we believe we have **the most competitive offer on the market**.
- We deliver cutting edge services that **enhance your own CPO or eMSP business**. We develop services to **meet your needs for management tools before invoicing**: consumption follow-up, billing, invoicing intention, dispute, invoicing
- We are **focusing our coverage on the European continent**.

# Thank you



"Operational **excellence** at the **lowest costs**"

Eric Feunteun,  
EV & New Business  
Director, Renault



"Connecting to GIREEVE's platform was **essential** for Chargemap to achieve its mission"

Yoann Nussbaumer,  
Chairman of the Board, Chargemap



"The cooperation with GIREEVE is **an important milestone towards building the largest supply network** for e-vehicles in Europe"

Christopher Schäckermann,  
Managing Director, C4E



"We are very satisfied with the technical platform's **stability** and **reliability**, the Connect Place's **simplicity** and the client service's **reactivity**."

Sabrine Labiadh,  
Market Manager,  
DCS



"We are very happy to be connected to GIREEVE's platform to **expand our network even further** with new partners and to foster e-mobility in Europe."

Sebastian Bachmann,  
CEO, chargeIT mobility



"We have identified GIREEVE as **one of the most prominent players in roaming**. [...] Today, we can proudly say, Etrel OCEAN is integrated with GIREEVE."

Tanja Mešiček,  
Marketing, Etrel

