BeNomad

evMove

Mobility Services for Electric Vehicle Drivers

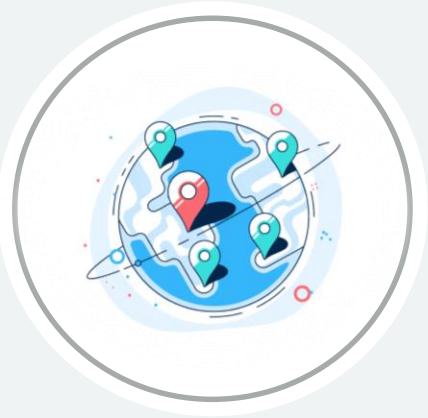
BeNomad: Who we are

15+ years of innovation dedicated to building the best mapping, routing and navigation solutions

Founded 2002

HQ France

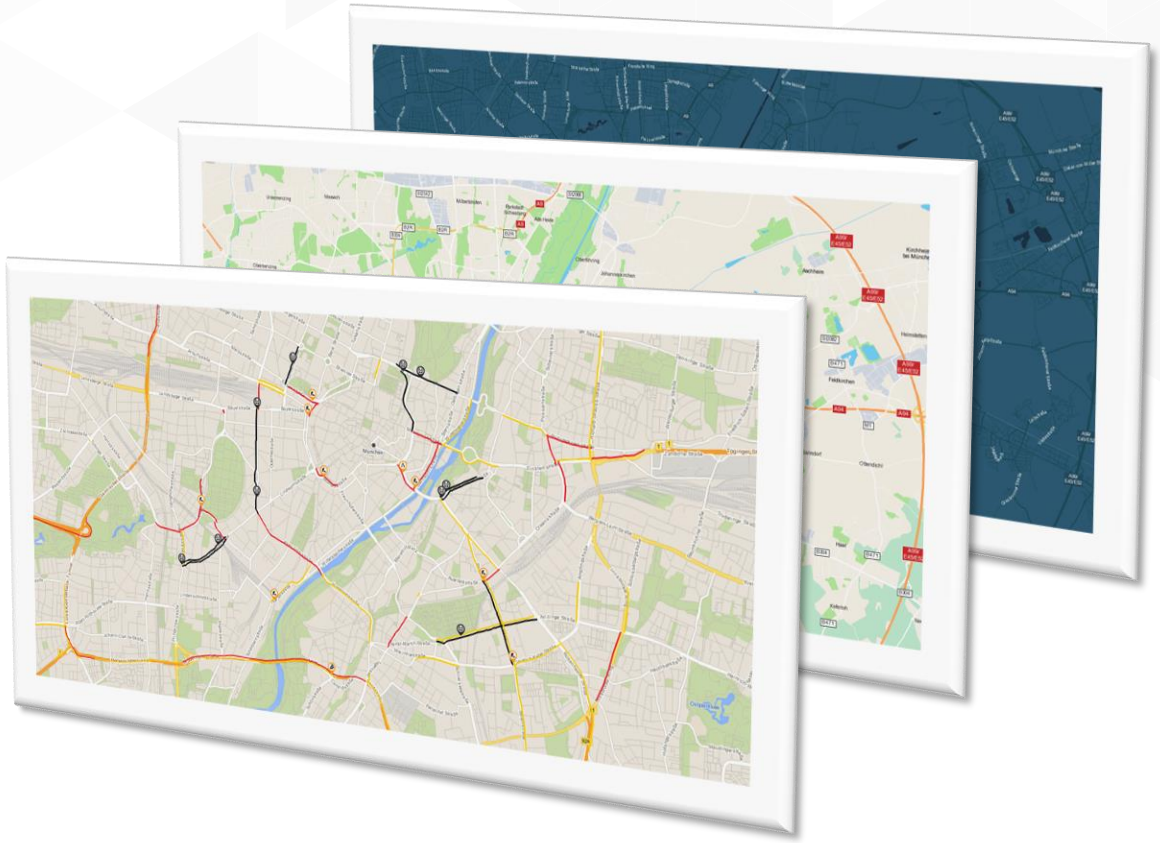
Clients +150



Worldwide

BeNomad: What we do

We use **maps**



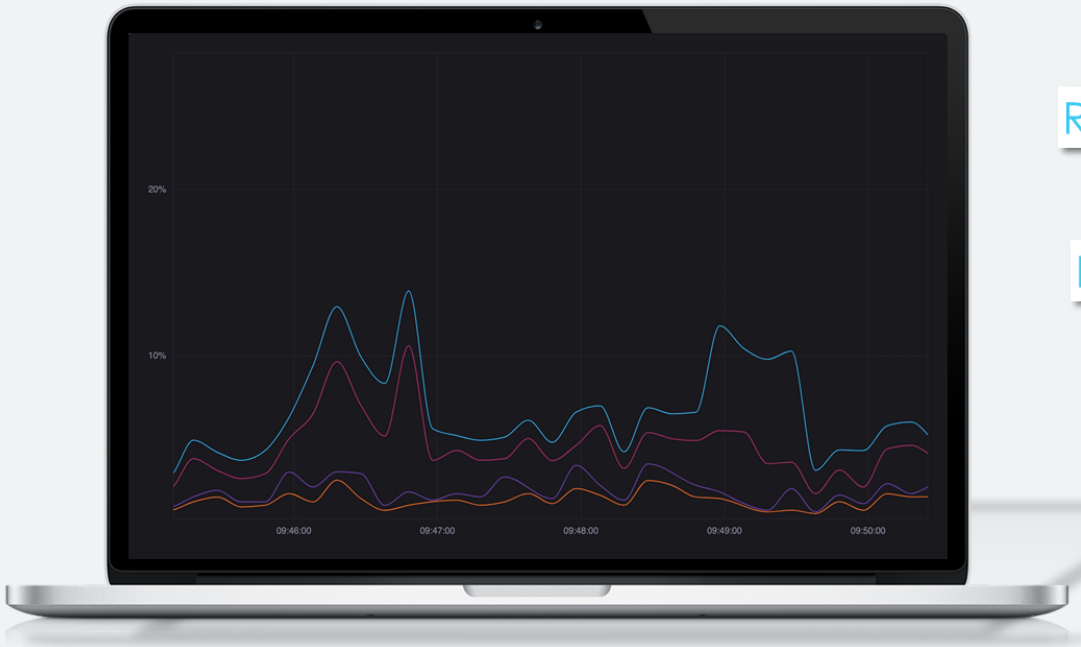
We connect it with **data**

To **optimize mobility** for

evMove - Our Expertise

The evMove API set makes it easy to enrich apps integrating connected services for EV drivers based in our:

Accurate algorithms for the Energy Consumption Estimation



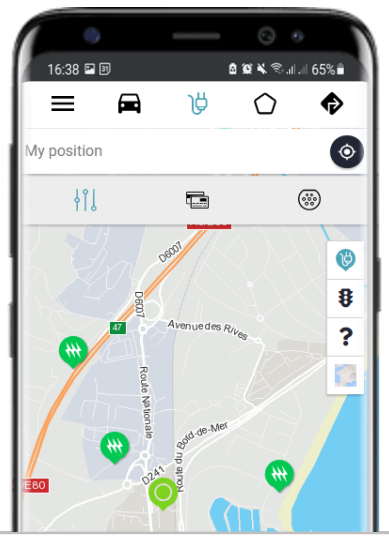
- Vehicle profile
- Driving style
- Weather
- SCx
- Road topography
- Battery capacity
- Regeneration
- RRC
- Charging time, compatibility & availability

evMove - Features

Simple-to-use solutions for all EV brands allowing to:

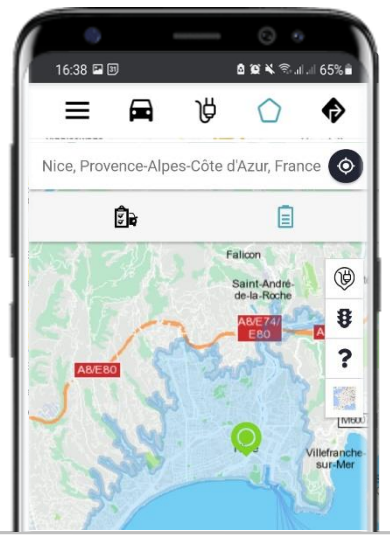
Search for charging stations available and compatible with each EV.

Charging point locator



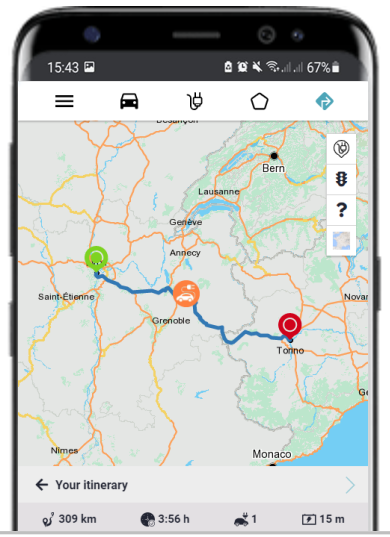
Calculate the reachable area according to the battery level.

Reachable Area



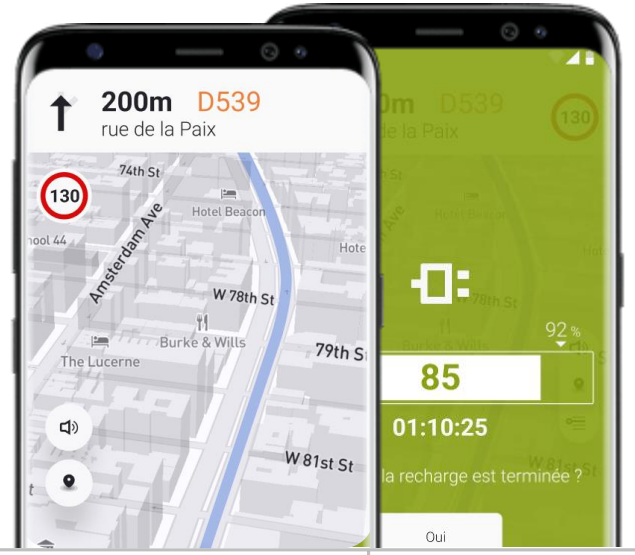
Optimize and personalize routes according to energy consumption and drivers criteria

EV Trip Planner



Accompany drivers with real-time data analysis and notifications.

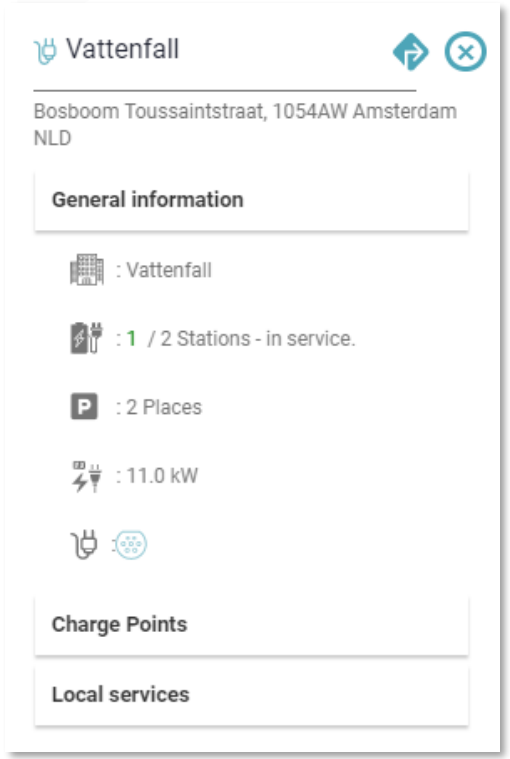
EV Navigation

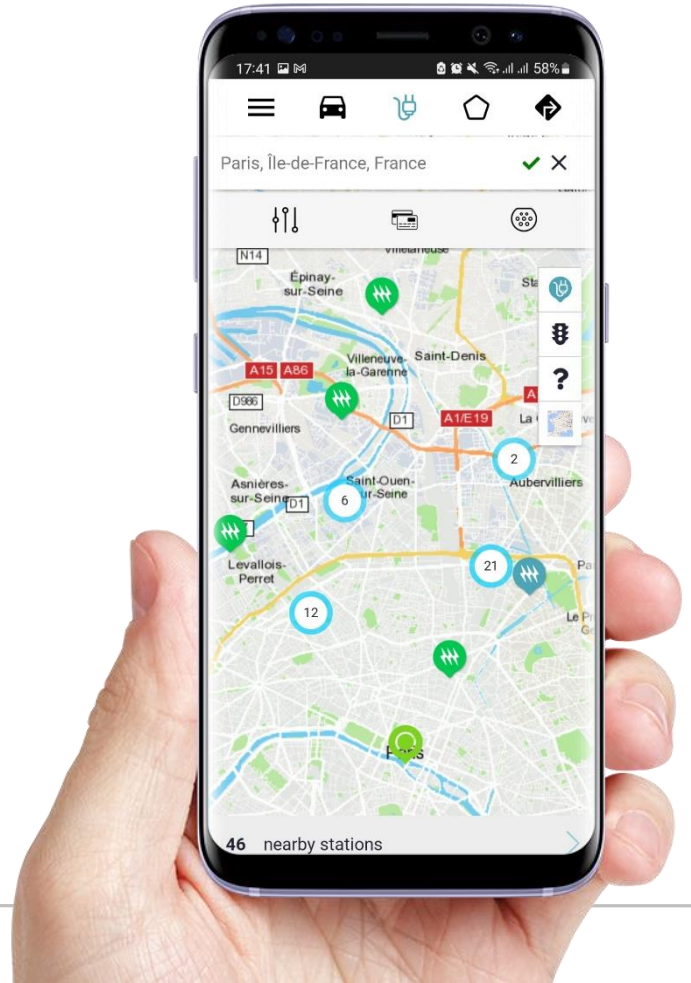


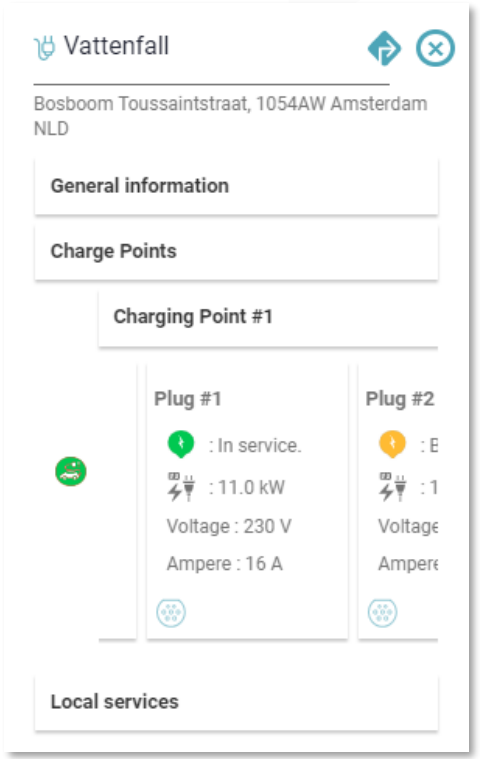
evMove - Features

➔ Charging stations search with charging time and cost calculation

- Display Charging point available and compatible with the vehicle.
- Support for OCPI, eMIP (Gireve), OICP (Hubject) standards.
- Various EV POI data providers available.





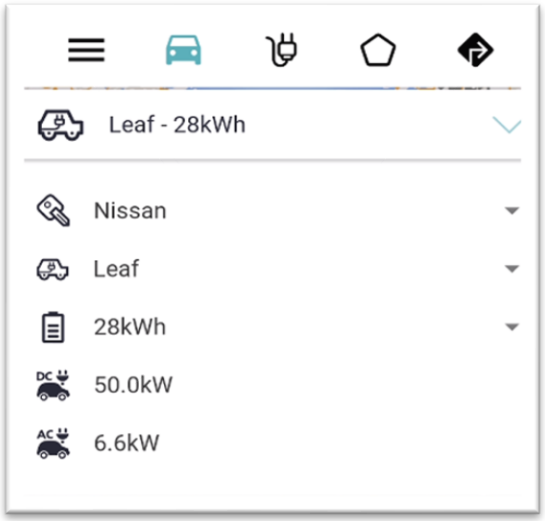


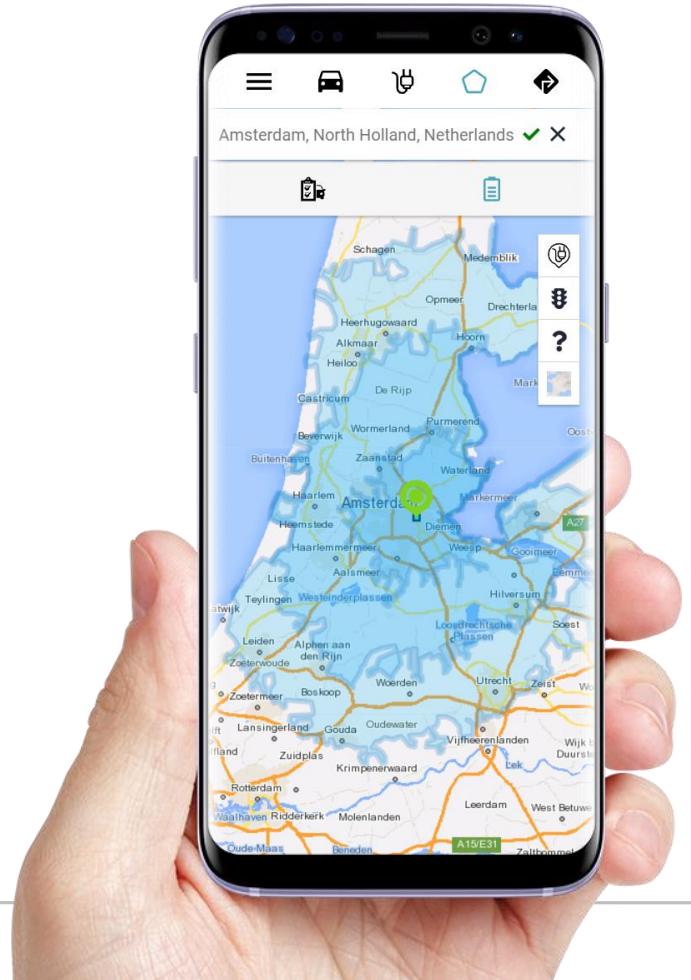
evMove - Features

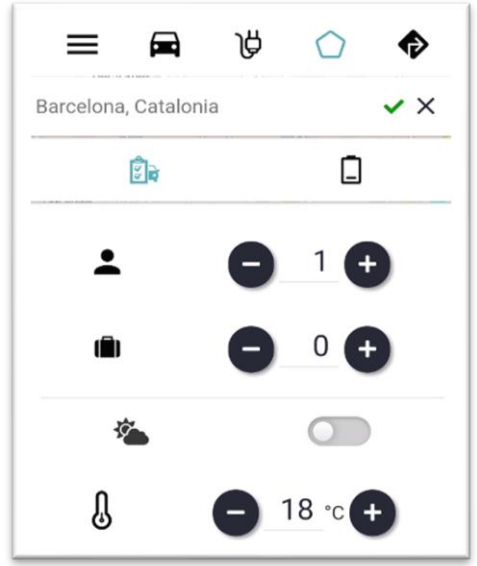
Autonomy Zone

Calculates the zone which is accessible with the EV according to battery level and the vehicle's location.
The reachable area is displayed on the map to give the driver a quick view of the autonomy around a current location.
Advanced features :

- Round-Trip Autonomy Zone
- Multiple Autonomy Zone display.





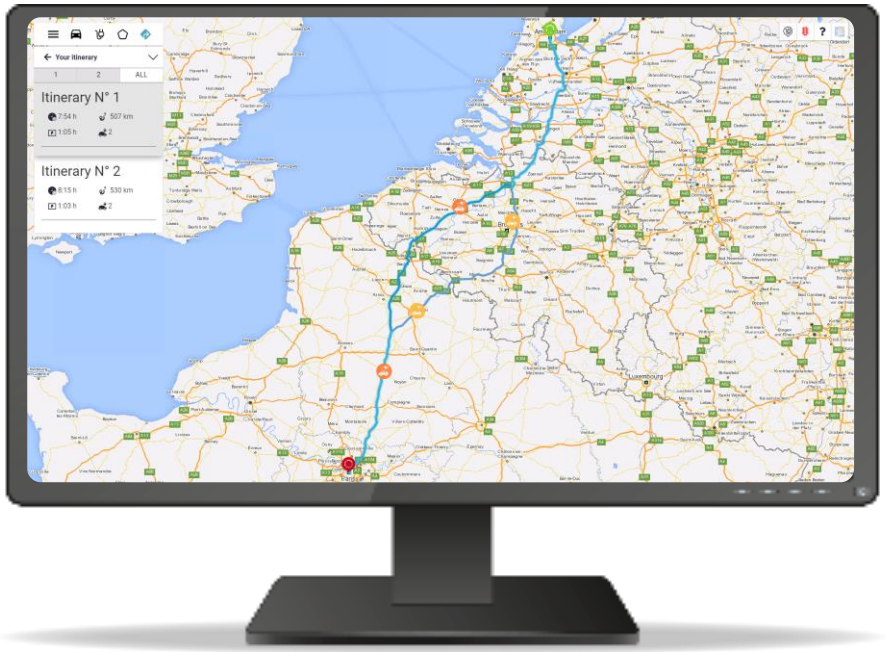


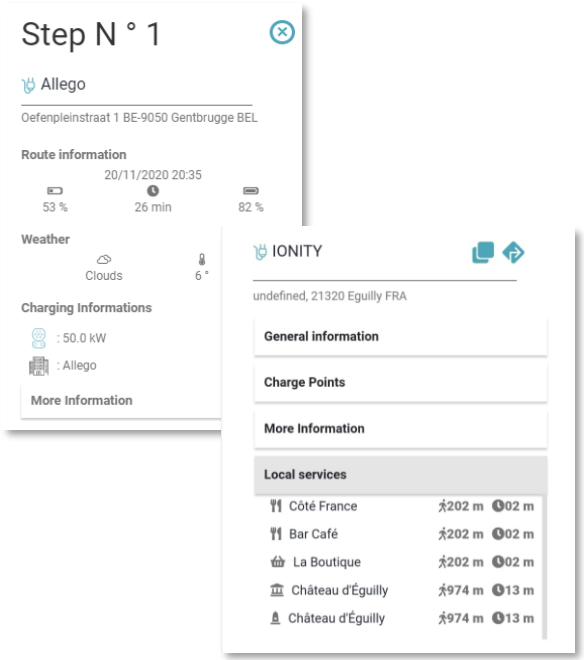
evMove - Features

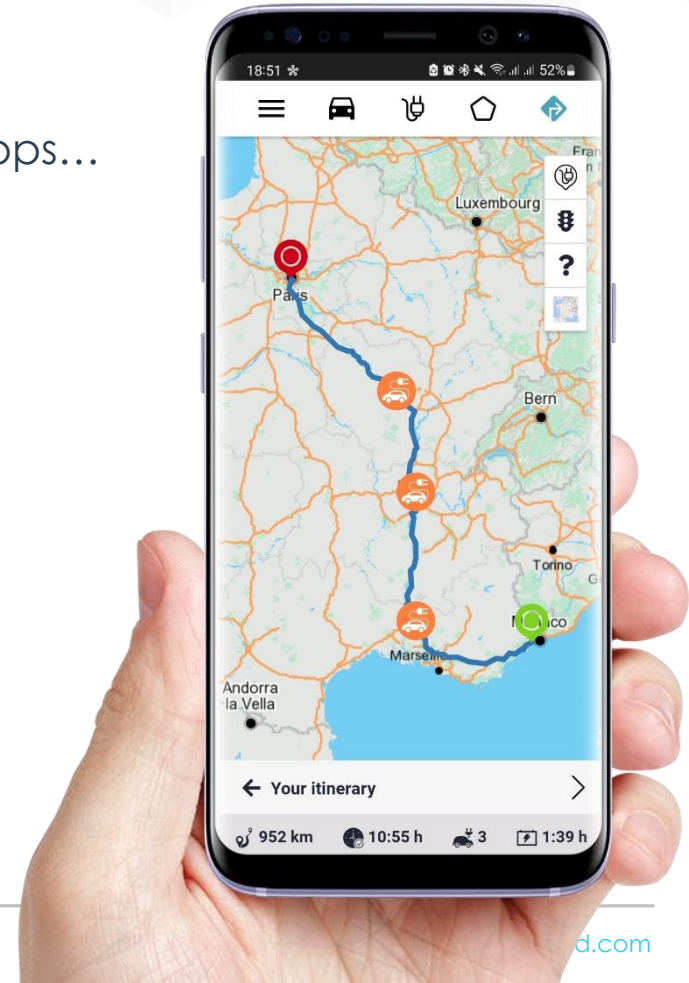
➔ EV Trip Planner

Optimized EV routing according to energy consumption, charging and driving time.

- Alternatives routes
- Speed recommendation
- Charging cost and charging time calculation
- Various filtering options: charging network, payment method, opening hours…
- Trip customization: stop duration, preferred charging network, services at charging stops…





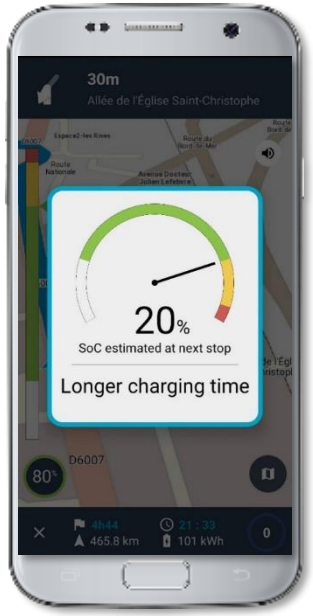


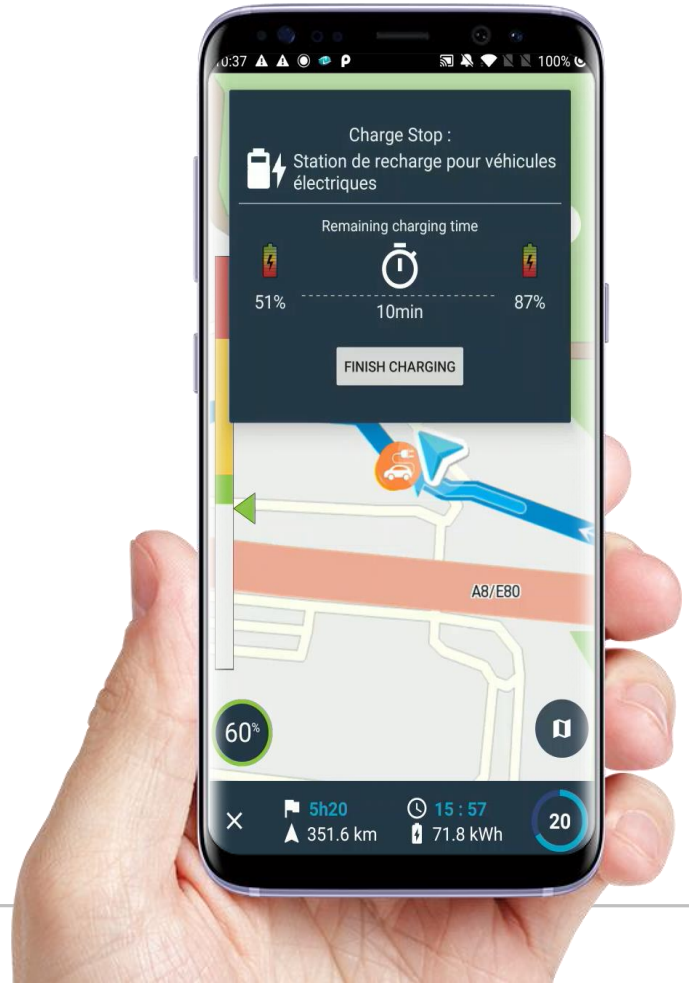
evMove - Features

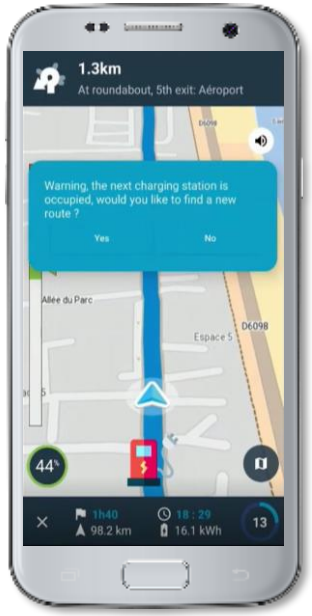
➔ Navigation for EV

The EV driving-buddy to enhance the user experience with real-time data analysis and notifications based on:

- Traffic information
- SoC
- Charging station availability
- Charging time…
- Charging session notifications







evMove - Products

Each described functionality is available as:

White label Mobile App for your End-Users

Web Platform tailored for a specific use-case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{
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  },
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      "lat": 48.82905,
      "address": "D910, Boulogne, France "
    },
```


SDK/API
To power your current solutions

BeNomad – Trusted by leading brands

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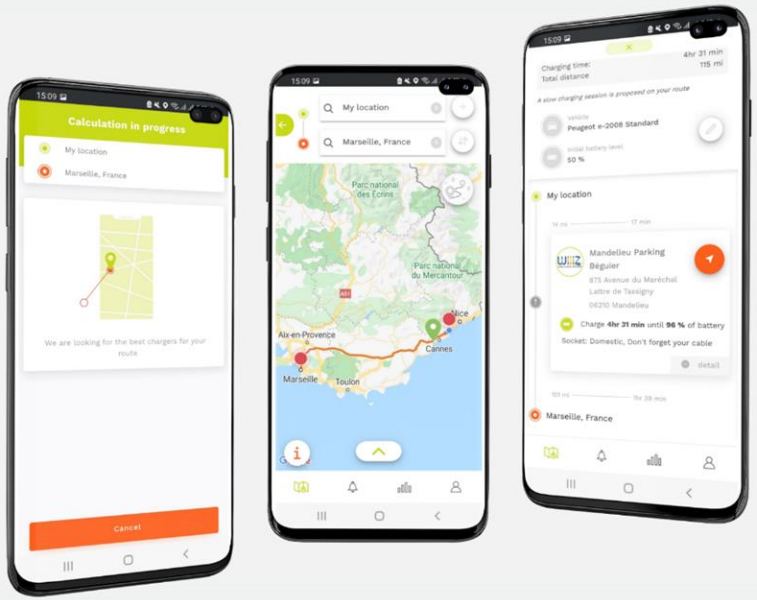
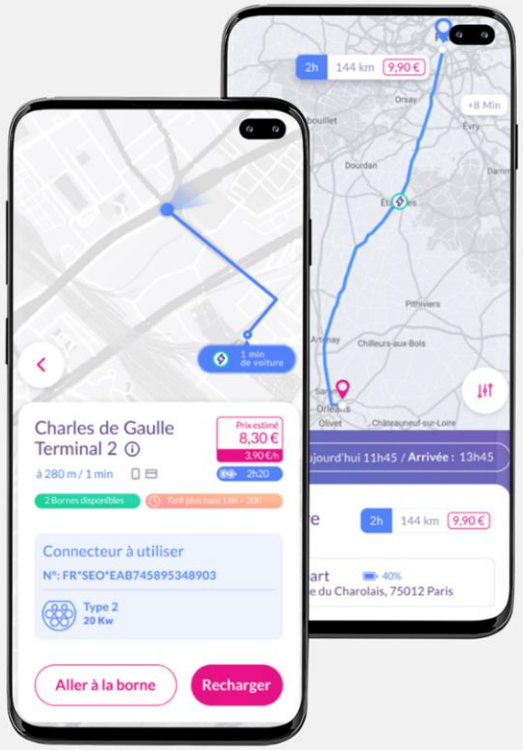
GROUPE EDF



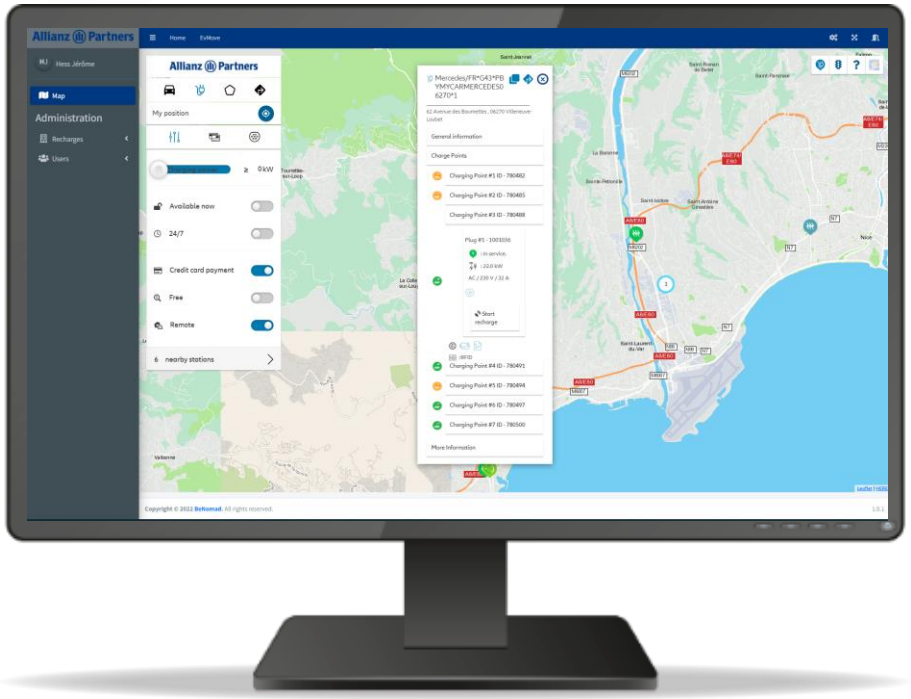
FREE2 MOVE

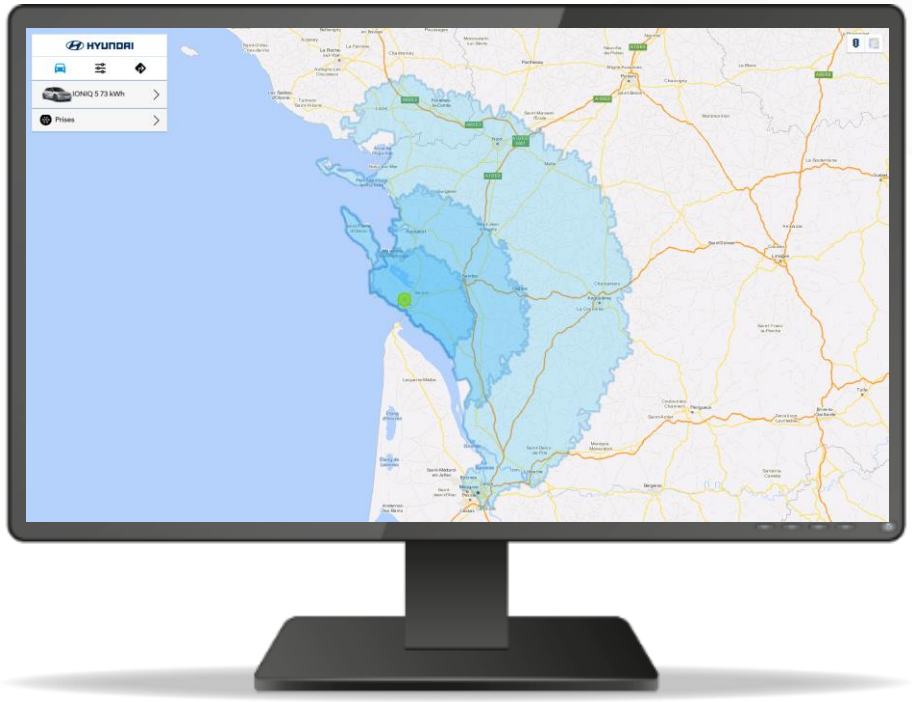


RENAULT

BeNomad – Trusted by leading brands

Allianz Partners





HYUNDAI

BeNomad

evMove

EV Trip Planner
options and advanced settings

evMove - EVTP Mandatory parameters

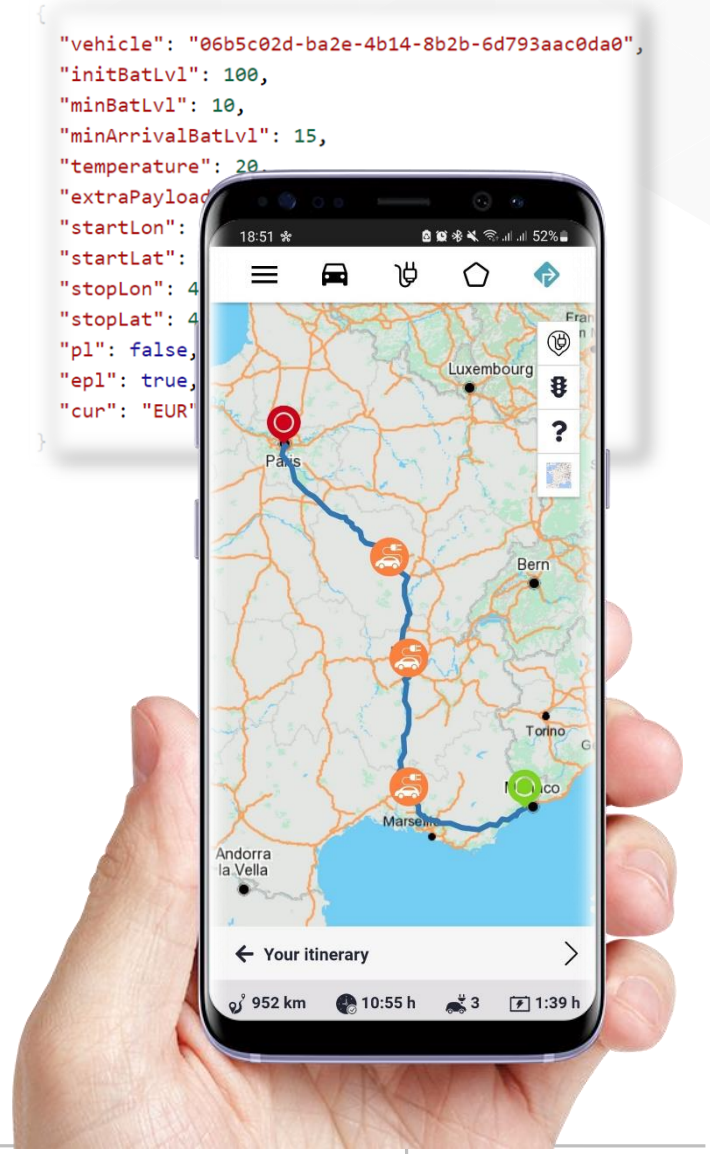
➔ **Vehicle**

➔ **Trip**
- Departure coordinates
- Destination coordinates

➔ **State of Charge**
- Initial SoC
- Minimum SoC during trip
- Minimum SoC at arrival (can be equal by default to the Minimum SoC during trip)

➔ **Extra payload** (in kg)

➔ **Temperature** (can be defined automatically with live weather data)



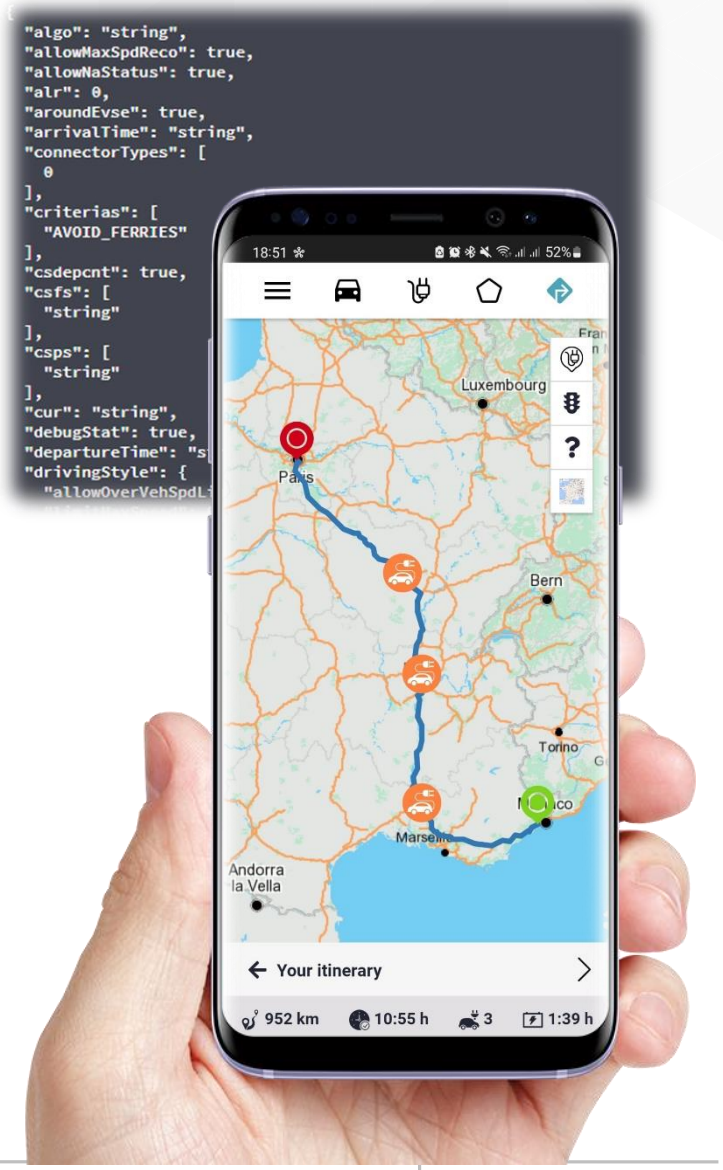
evMove - EVTP Optional parameters

➔ Time
- Departure time (if not specified = current time)
- *Arrival time (planned in roadmap)*

➔ Trip
- Via points
- Routing criteria: motorways, tolls, ferries, border crossing…
- Alternative routes: up to 2 alternatives.

➔ Charging
- Plugging time: fixed time to plug / unplug the vehicle, start and stop the charging session
- Charging station filtering: power, connectors, charging points, network…
- Charging station preference: apply a preference coefficient to favor charging station with specific parameters. For example: favor charging station from specific CPOs or with more than one charge point.
- Display charging station around the selected charging station

➔Driving style
- Predefined mode (eco, normal, sport)
- Custom mode (max speed, acceleration, deceleration, speed ponderation on every road type)



evMove - EVTP Advanced settings

➔ Recommended Maximum Speed

This option estimates the optimal maximum speed allowing to generate the best route by:

- Skipping a charging stop
- Reducing energy consumption

Example:

From Nice

To Marseille

No Speed Recommendation

Trip duration : 2 h 20
Charging stops: 1
Charge duration: 5min.

Speed Recommendation

Trip duration : 2 h 10
No charge
Optimal speed : 120 km/h

evMove - EVTP Advanced settings

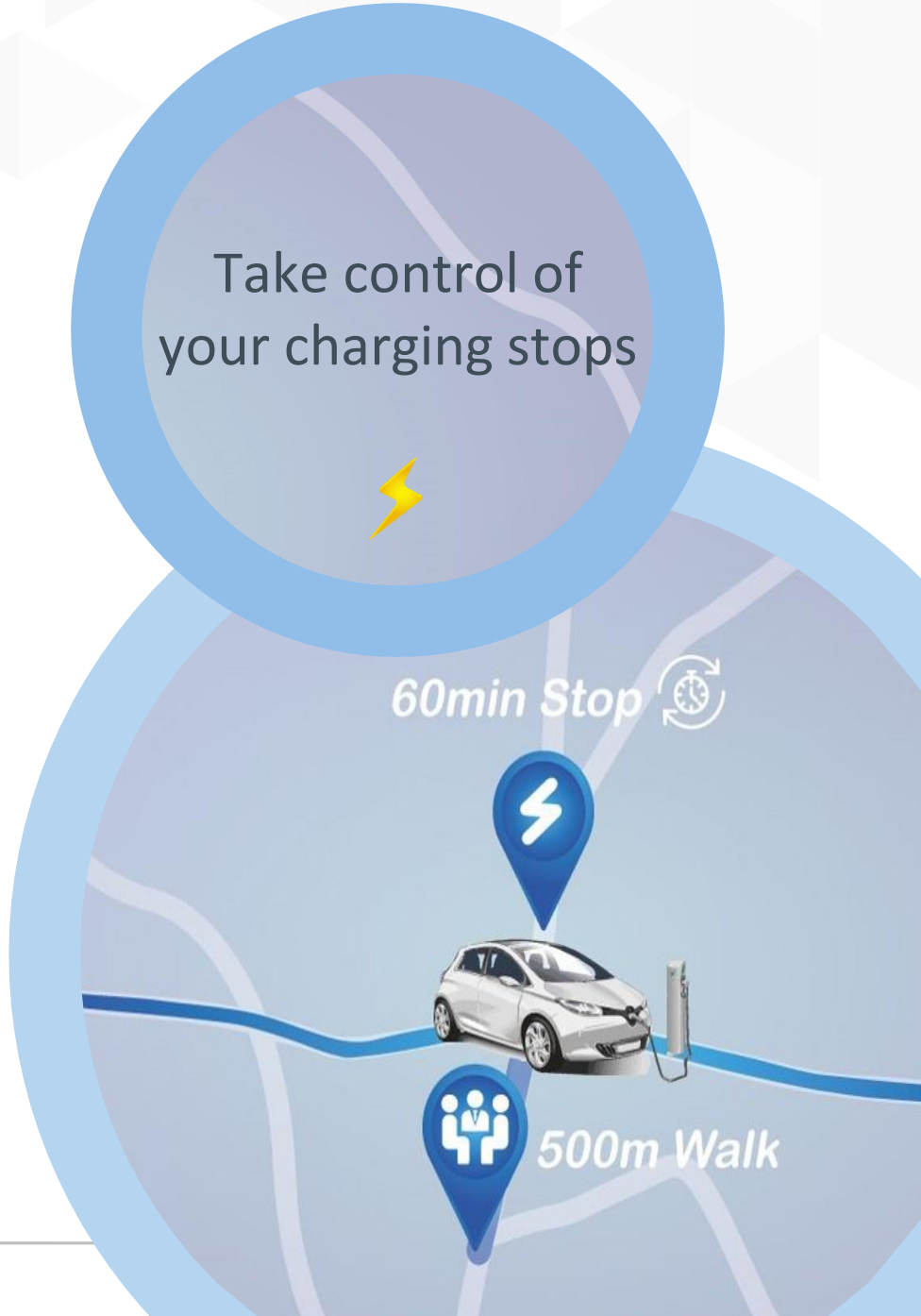
➔ Forced charge

A charging stop is associated to a via point and planned accordingly.

Example:

The driver indicates:

- Stop location : 21 av de la Liberation, Paris
- Stop duration : 1 hour
- Max walking distance between via point and charging station: 500m



evMove - EVTP Advanced settings

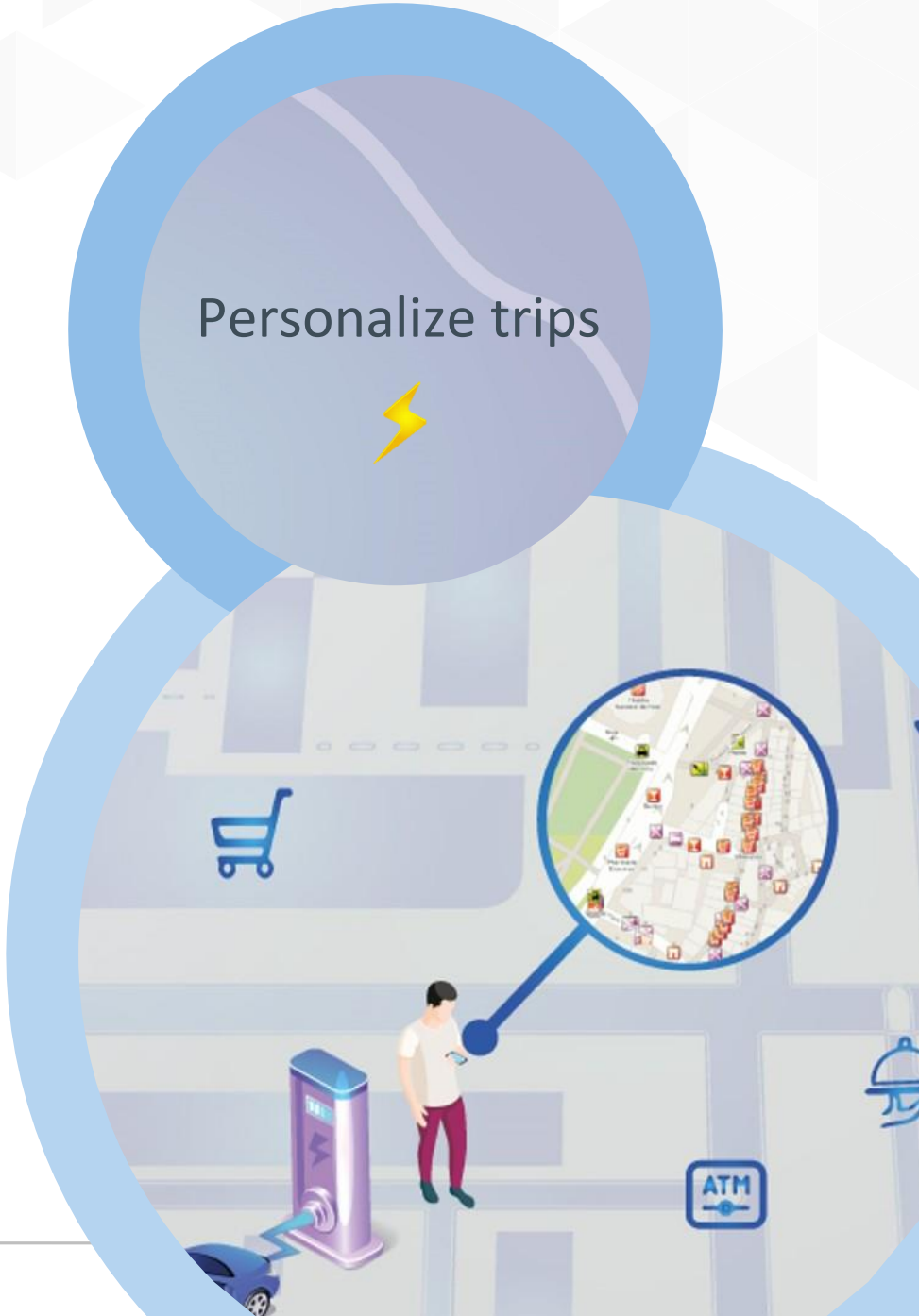
➔ Nearby Services

This parameter defines list of desired/undesired nearby services around the selected stop.

Example:

The driver indicates:

- I would like to stop 1 hour between 12pm and 2pm.
- During this stop I would like to eat in a restaurant which is not located on rest area and located less than 500m from a charging station.



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Thank you | Merci | Gracias | Danke Schön | Grazie

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