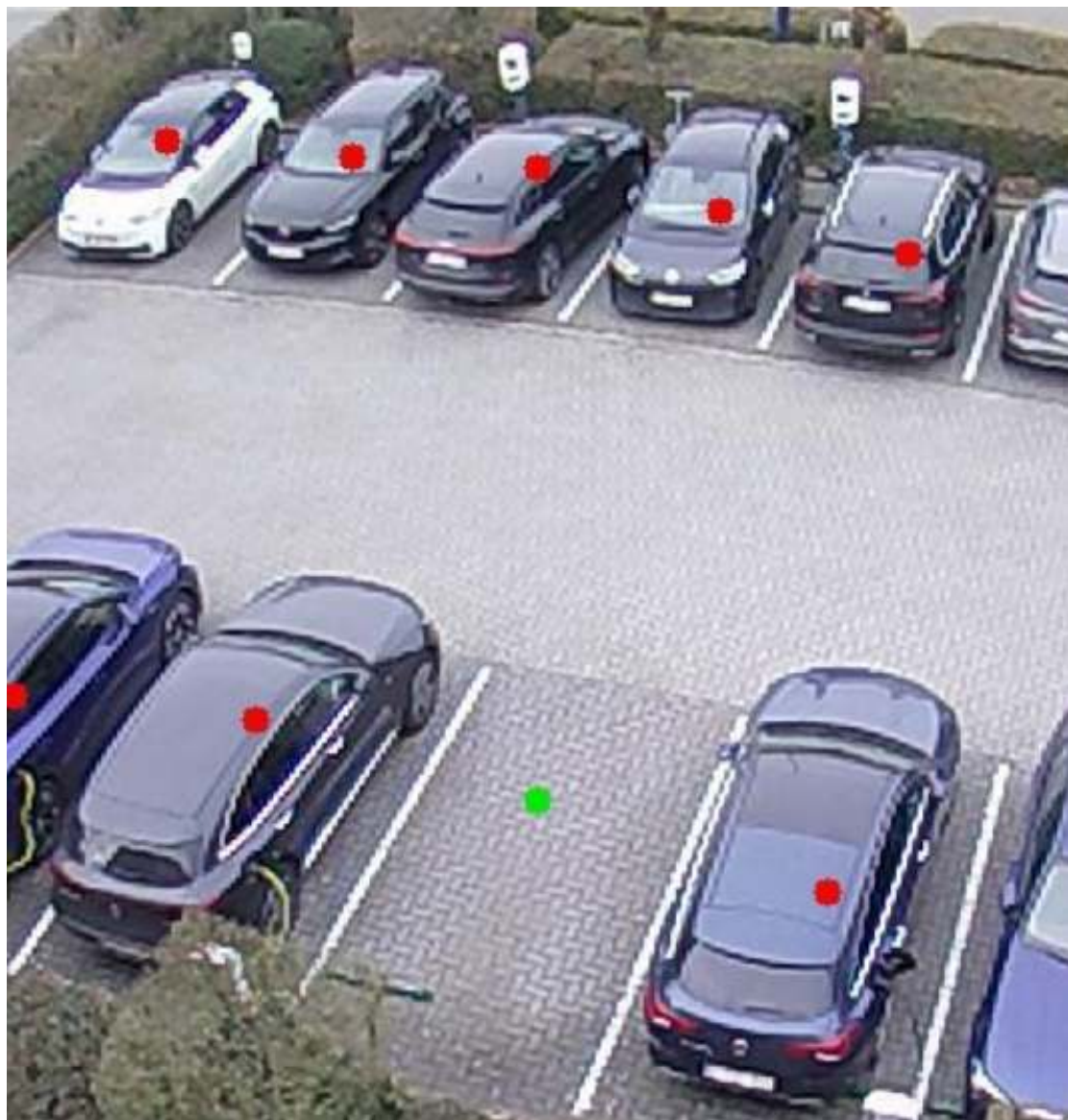
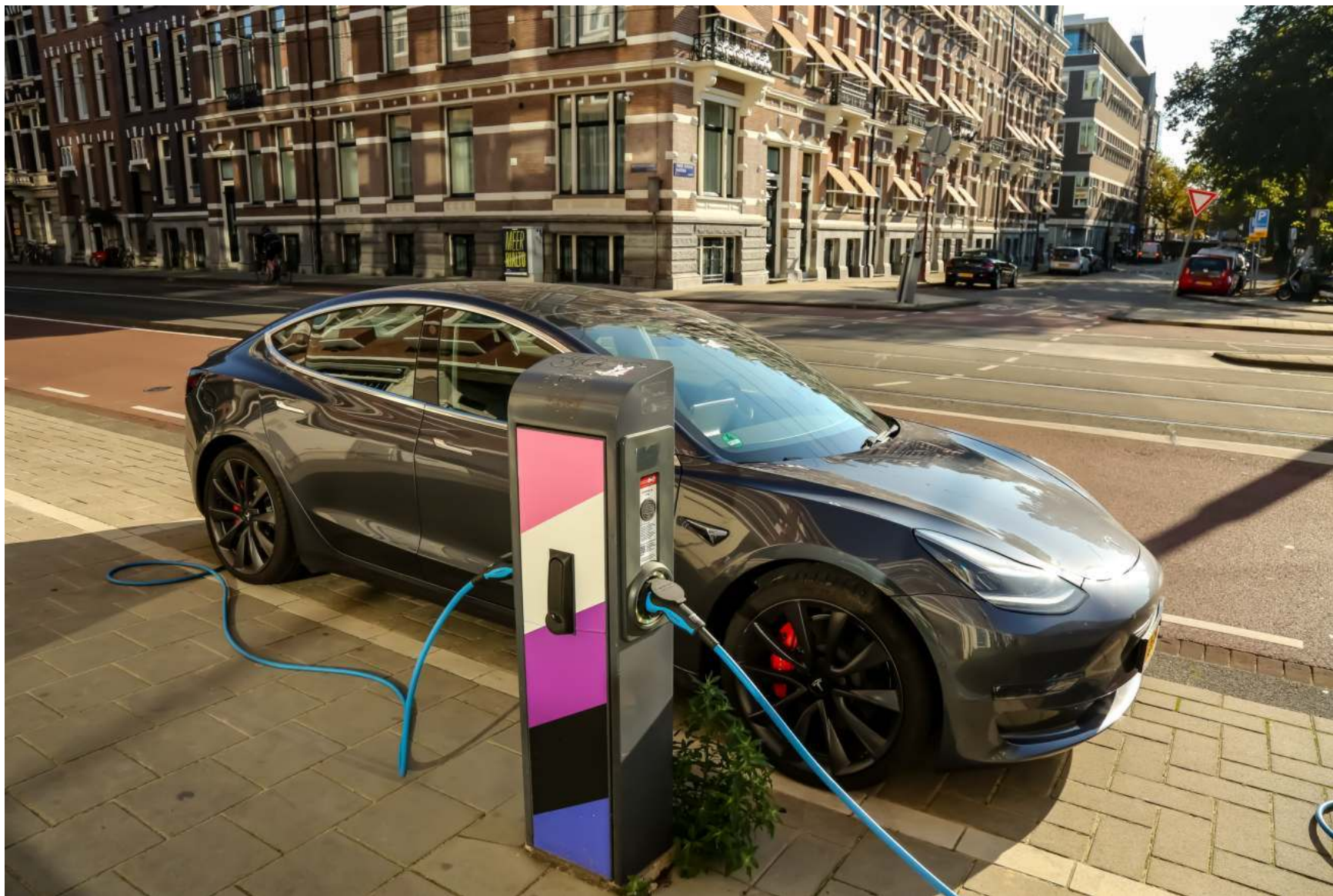
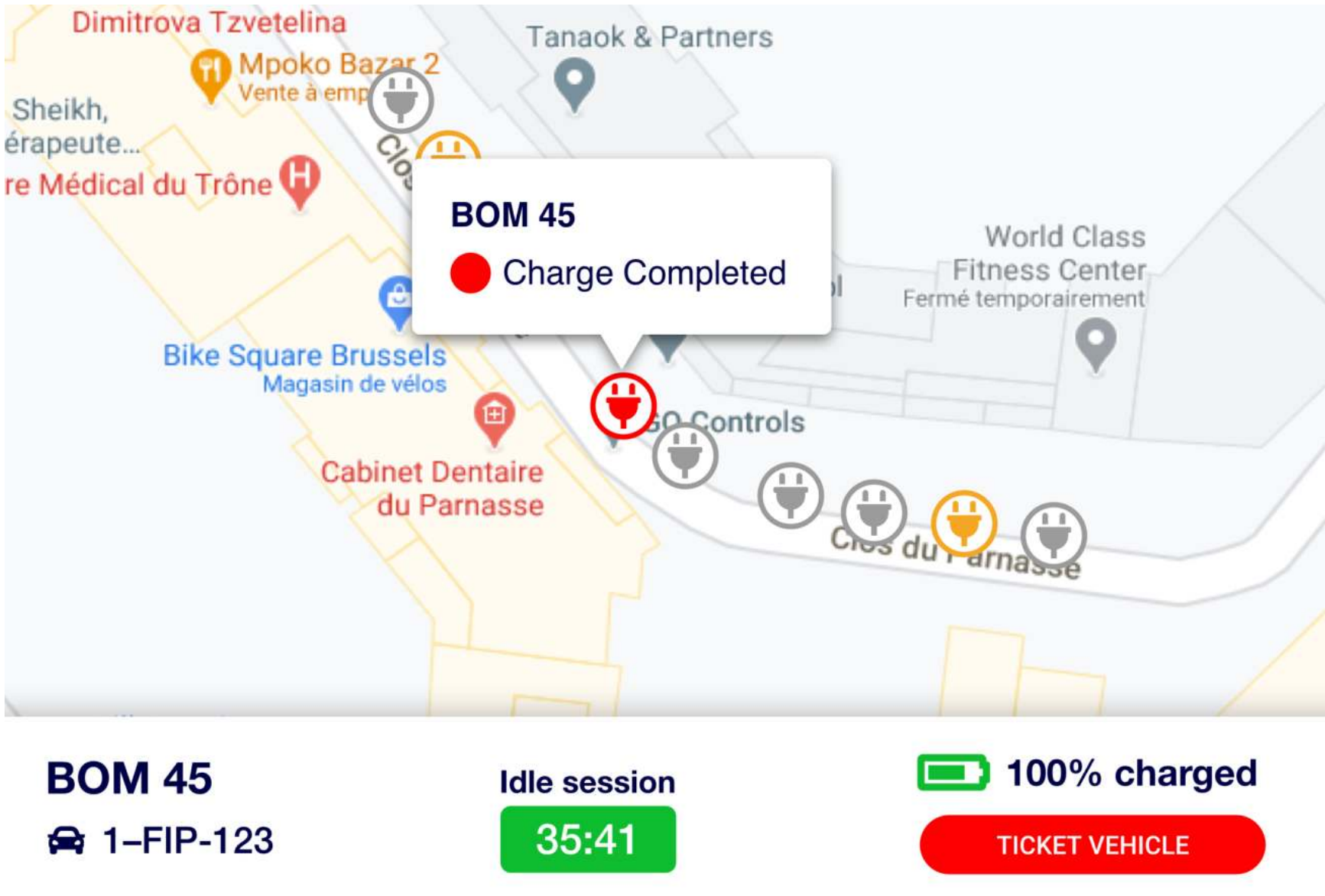
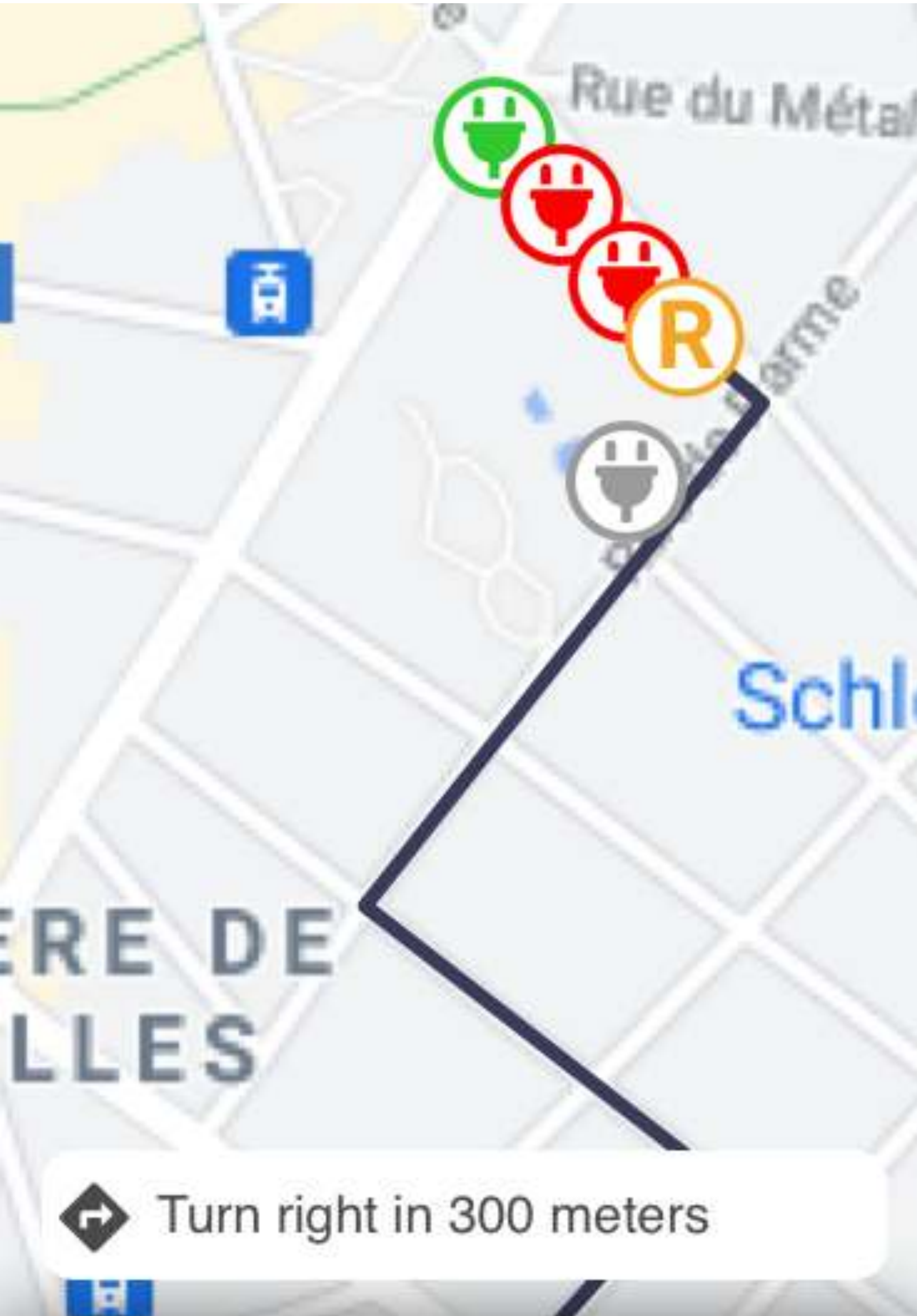


COMMUNITINGS

EV SPOT MANAGEMENT

Improving mobility at EV charging spot...

Cities



EV SPOT MANAGEMENT

For cities



Cities across Europe are undergoing extensive efforts to secure adequate charging infrastructure to cater for the rising number of EV cars in on-street and off-street facilities.

Given the limited number of charging points available, the need for optimized usage and enforcement of charging policy are prerequisite to a successful service uptake in the years to come.

THE CHALLENGE

EV charging spot occupancy is often hampered by commuters who either...

1

Park without charging

EV / non-EV cars

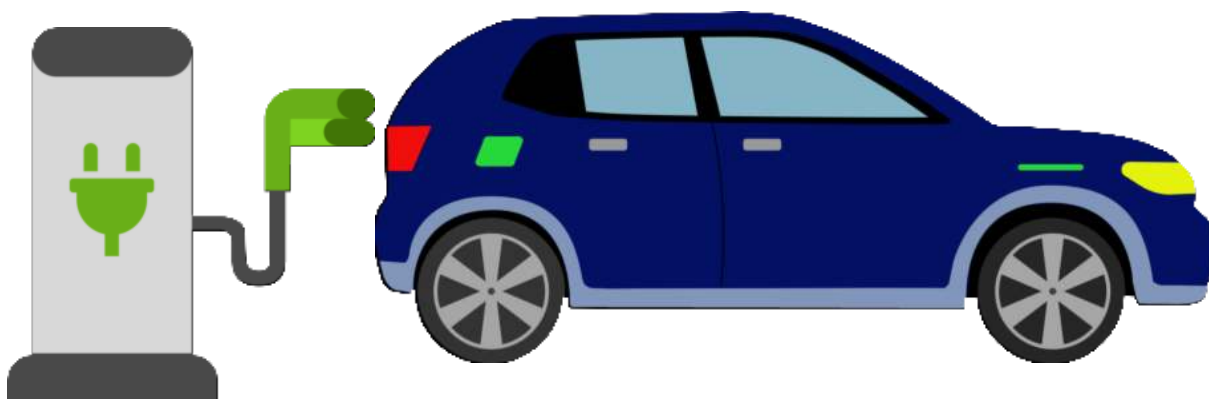


Unauthorized parking

2

Stay beyond time allowed

Max. time allowed 4 hrs

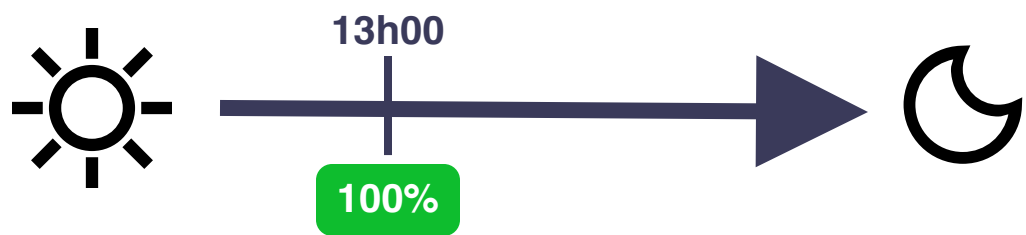


Session duration 6 hrs

3

Park the full day, even after completing the charging session

Battery 100%



Charging points in place may provide information on vehicles charging, BUT NOT on vehicles parked idly.

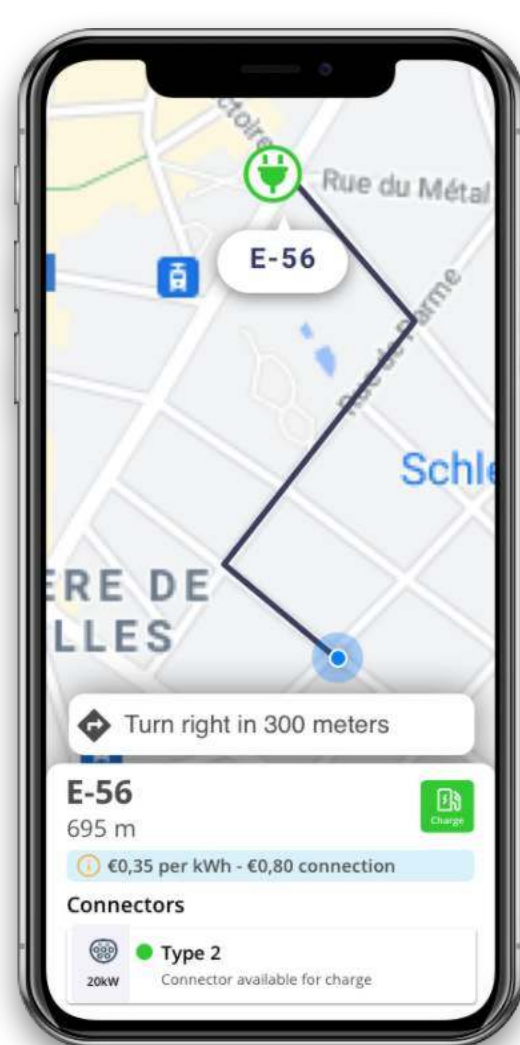
Parking Wardens lack the means to optimize charging spot usage and allow for higher rotation among visitors.

THE SOLUTION

CommuniThings EV spot management platform complements the existing CPO solutions, by overlooking the occupancy at each spot through the use of sensors and cameras. The platform includes:

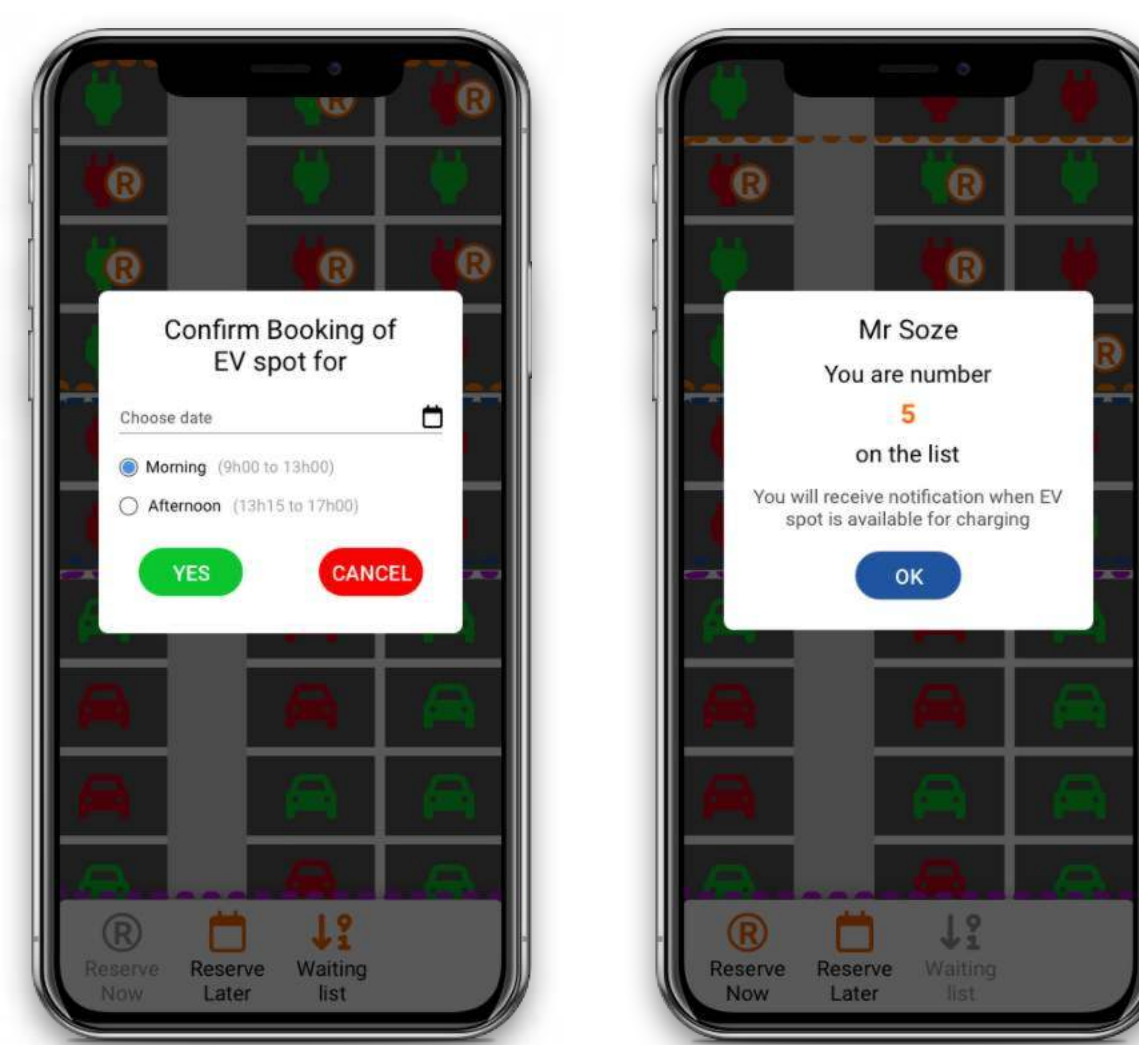
1 User Mobile App

Each commuter is equipped with a mobile app, allowing to follow on occupancy status at each spot, and get guidance to nearest parking.



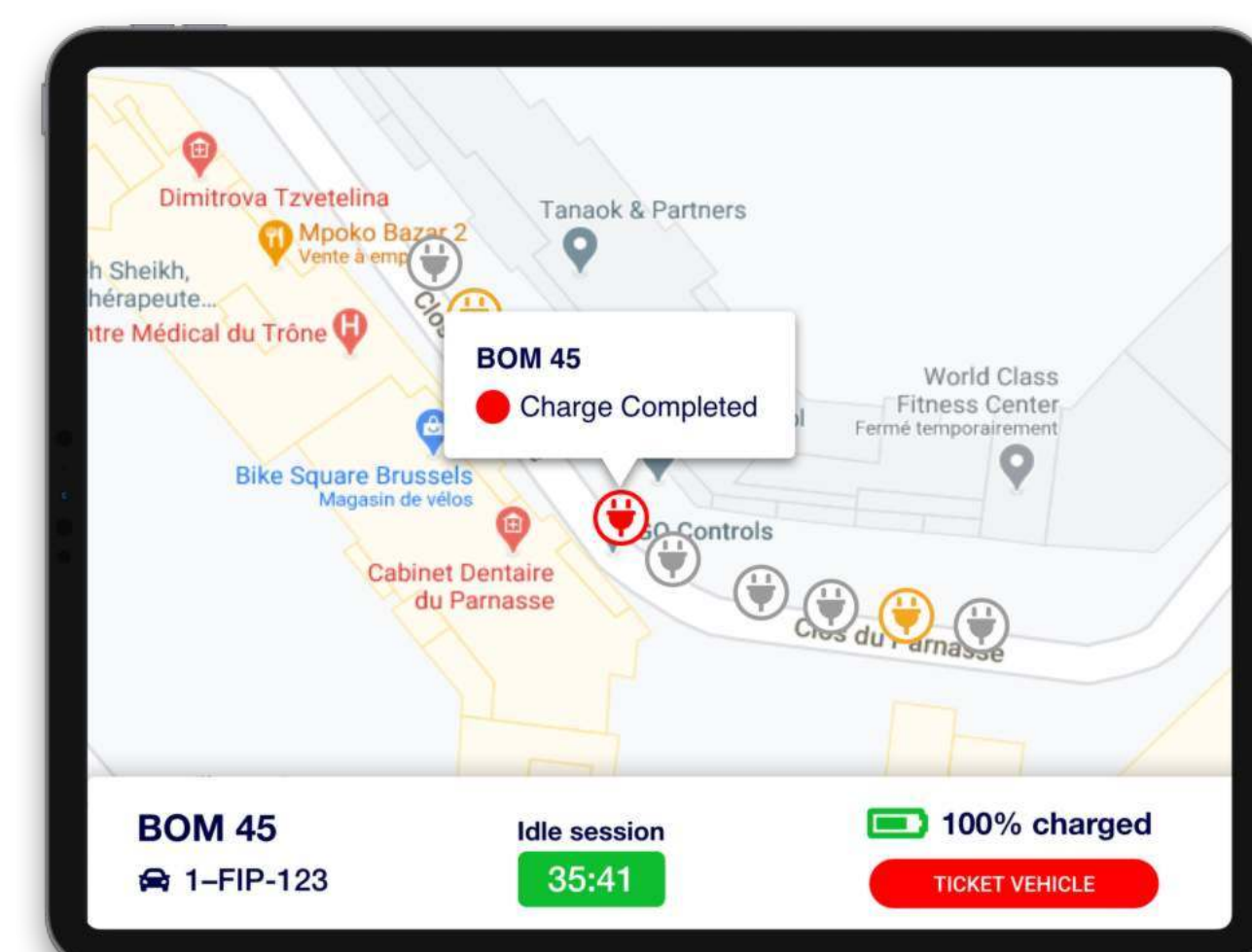
2 Reservation Module

In designated EV parking lots, the app allows to register for a waiting list, or reserve a spot in advance.



3 Enforcement Module

Charging spots occupied without charging, are detected by the sensor or camera and reported promptly to the parking controller.



THE BENEFITS

The use of IoT technology ensures a correct read of the charging spot occupancy and allows for reservation as well, thereby improving user experience.

The enforcement module ensures adherence to the charging regulations in place, and contributing to higher rotations in each spot.

The platform contributes to usage optimization of the charging spot and a sustainable transition to EV cars.