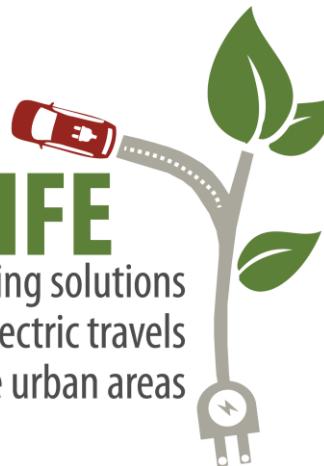


I-SharE LIFE
 Innovative sharing solutions
 for full electric travels
 in small and medium size urban areas



This project has received funding from European Union's
 Life Programme under Grant Agreement
 N° LIFE 17 ENV/IT/000212 I-SharE LIFE

How ICT in Car Sharing can improve Smart Cities mobility

Dott. Marco Lupi
Service Delivery Mngr - Nordcom



TECHNICAL CROATIAN WORKSHOP

26TH OCTOBER 2020

Webinar link — meet.google.com/nue-ihgo-zzp



City of Osijek

Goals & Premise

I-SharE LIFE

Innovative Electrical Car sharing Model to optimize vehicle usage within 24h in a mix between different users/drivers (commuters, citizens, public and private companies)

Technological platform

It plays a key role in pursuing project goals. Nordcom has been responsible for the creation and, subsequently, for managing the operation of the platform.

Project challenges

Solution Contingency

Nordcom focused to merge technical solution and stakeholder requirements, and i-Share Life fundamentals: design, usability, modularity, benefits for the environment, centrality of the traveler / service user.

Persistence over time

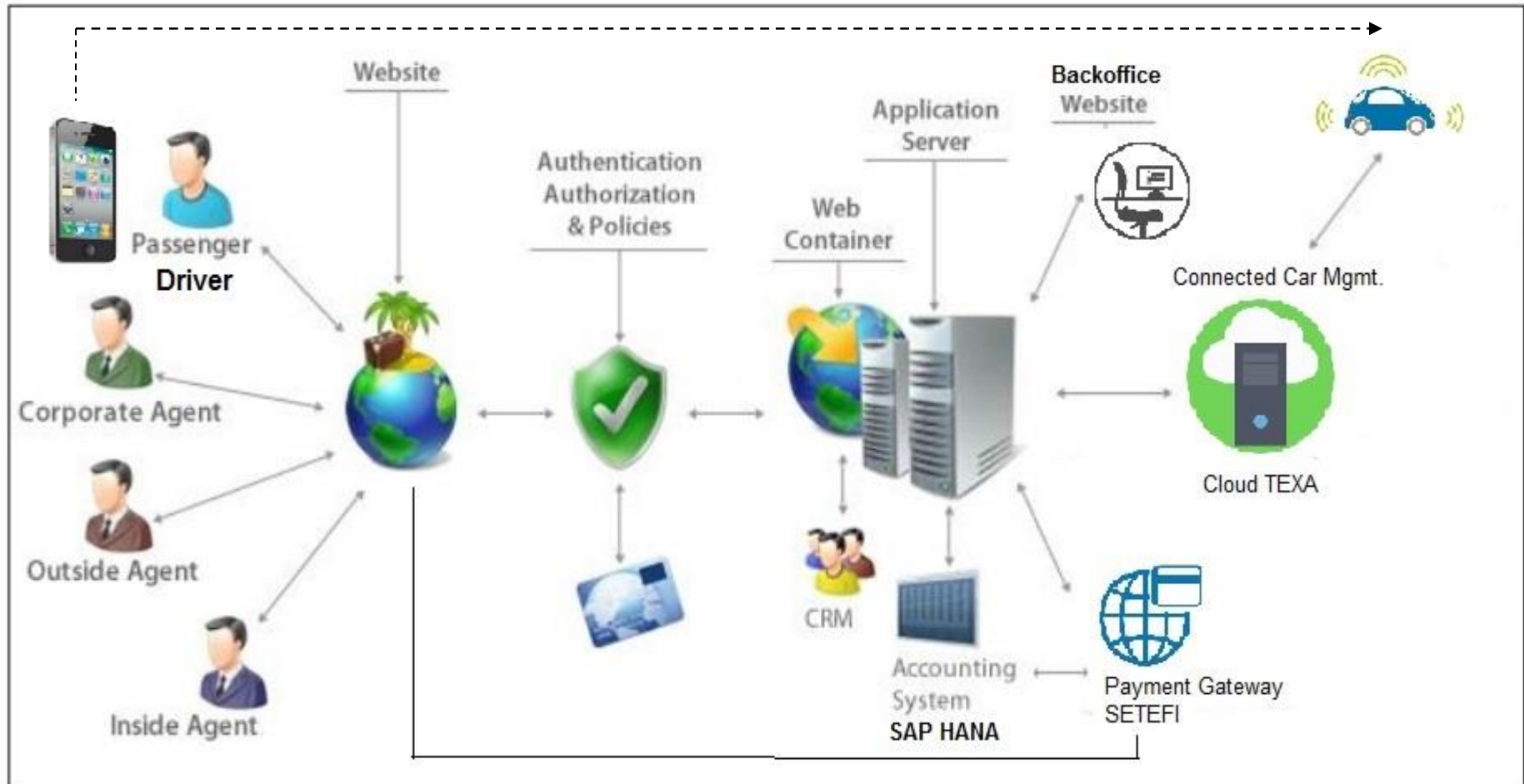
Nordcom has also given great importance to the aspect of the persistence of technological choices with a view towards efficient evolution over time: the solution must be able to evolve without forcing users to completely change the platform too often.

Adopted Solutions

System Architecture

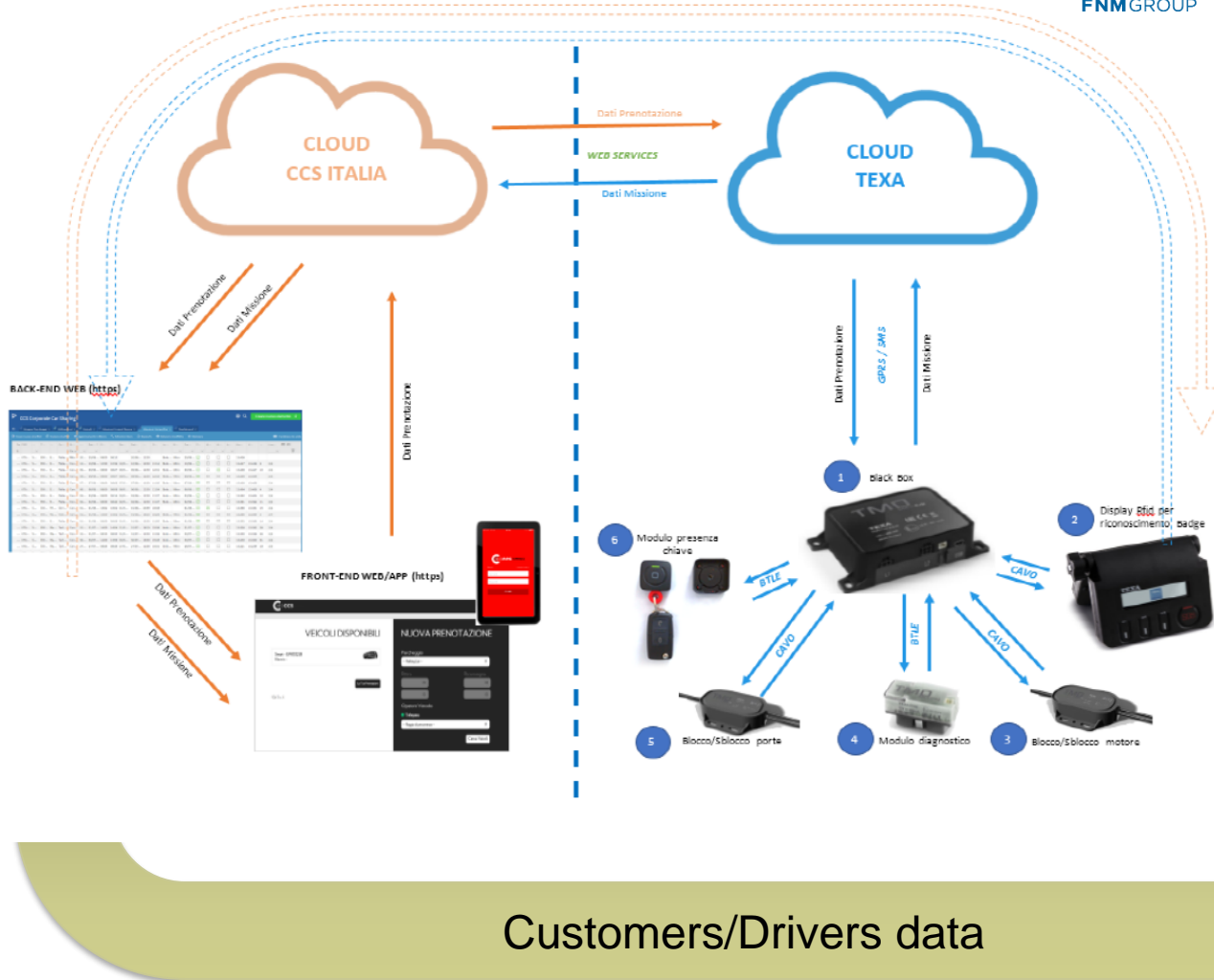
The platform which is managing car sharing service for e-Vai and GPP-Osijek is made available in service mode (SaaS - Software as a Service). This approach, which we can consider as a state of the art for similar solutions, allowing many advantages on Users/Drivers and Service provider side.

Platform Architecture

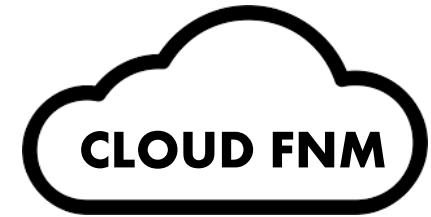


Cloud Platform Architecture (e.vai>

FNMGROUP



Integrated Systems

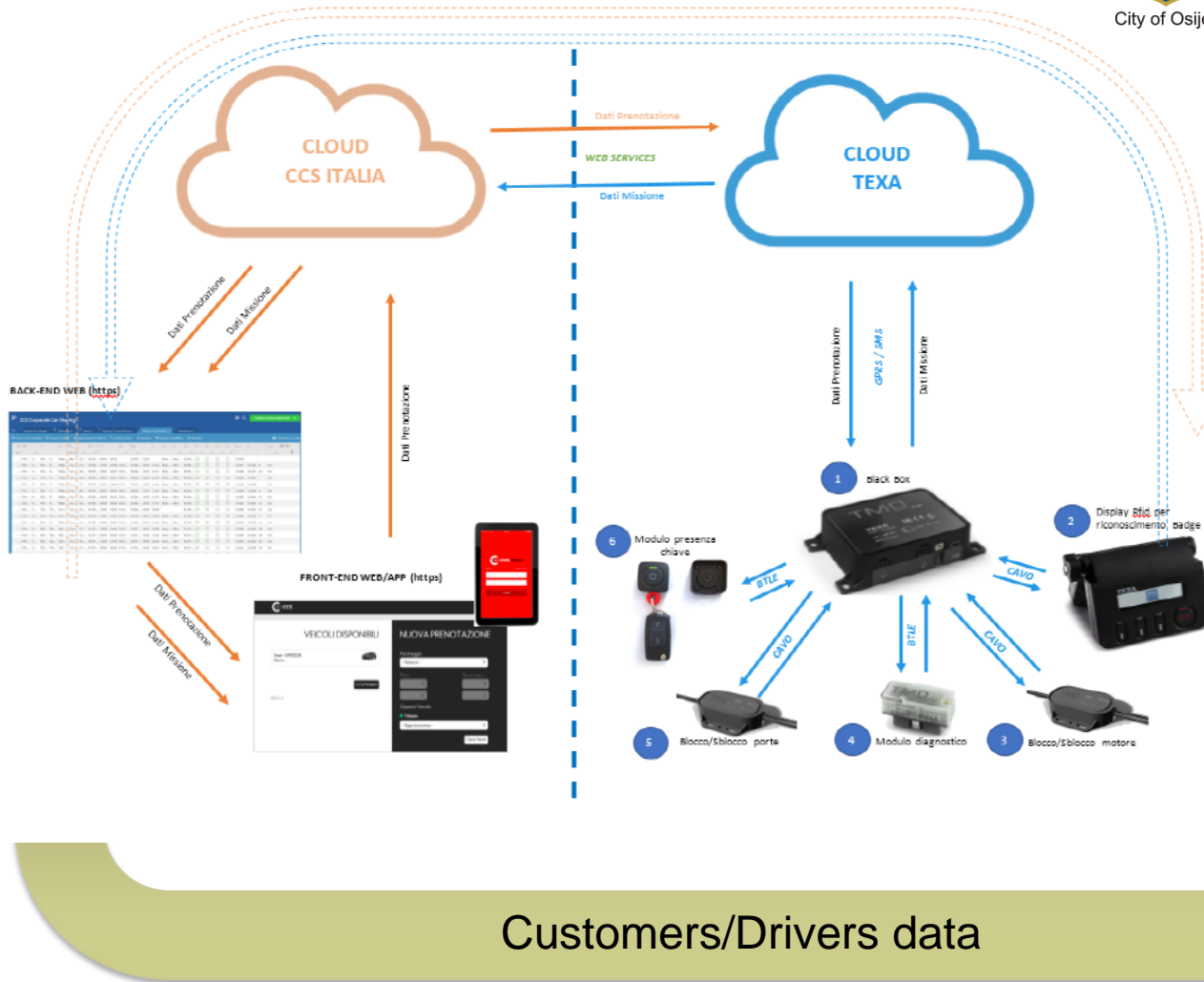


Customers/Drivers data

Cloud Platform Architecture



City of Osijek



Integrated Systems



Service Implementation and tuning

•Activities Overview for e-Vai

- ❖ Oct 2019 to Jan 2020, development continued to complete functional requirements and solve relevant technical and functional issues
- ❖ *Due to Covid-19 E-Vai decided to delay public go-live for commercial reasons*
- ❖ **May 26, 2020** : new I-SharE system **Go-Live** with the new app-mobile published on Google & Apple Store
- ❖ **Co-design** between the DEV TEAM, EVai's and Poliedra went on as co-design workshops in the demo sites with beta users

•Activities Overview for Osijek-GPP

- ❖ June to July 2020, Payment Gateway development activated to complete functional requirements and solve functional issues
- ❖ **Aug 4th : Internal Go-Live'** (Payment gateway and invoicing system in test, not real environment)
- ❖ Oct 31st to open to Public Usage

Service Implementation and tuning

•Challenges encountered

❖ E-Vai

- Change Management due to new Software operation
- Data Migration
- Blackbox operations (car and GPS messages handling) and connectivity
- App-mobile GUI
- I-Phone incompatibility

❖ Osijek/GPP

- Blackbox operations (car and GPS messages handling)
- I-Phone incompatibility
- Multilanguage release (Croatian)

App-mobile Design: Register & Book



Sigurno plaćanje

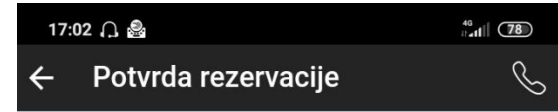
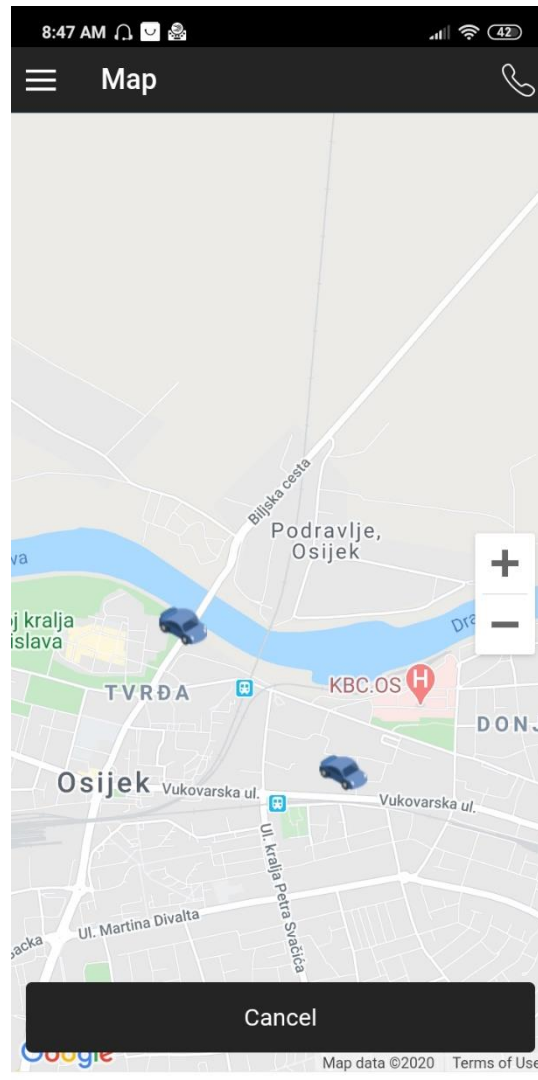
Broj kartice

Važi do

Mjesec Godina

CVV

Verifikacija



Renault Zoe

Registarska oznaka
OS215MN

Boja Sjedala

 5

Parking za povratak

Osijek

GPP

commons.reservationTime*

Odaberite vrijednost

Pretplata*

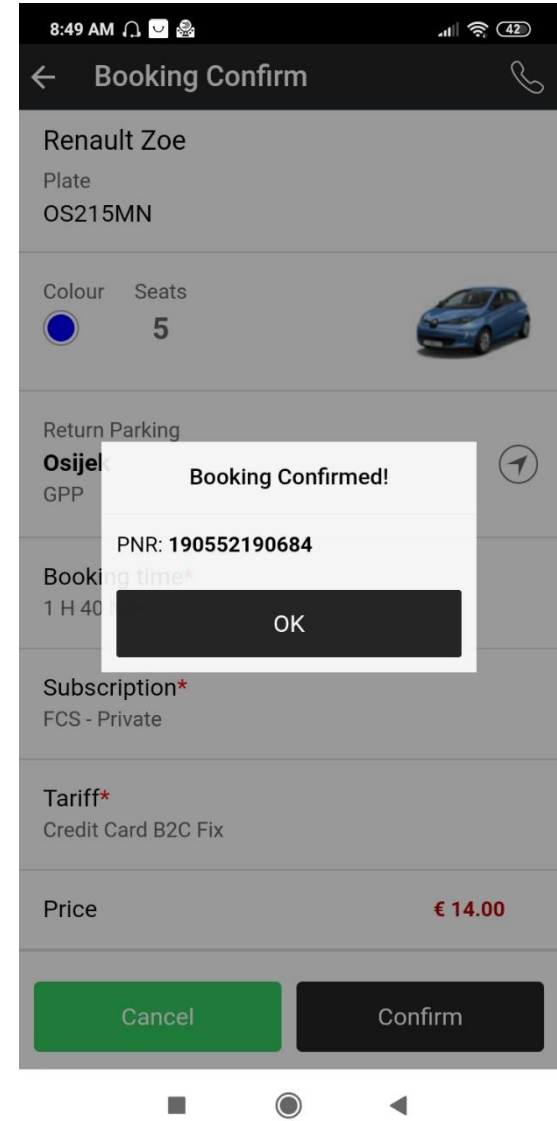
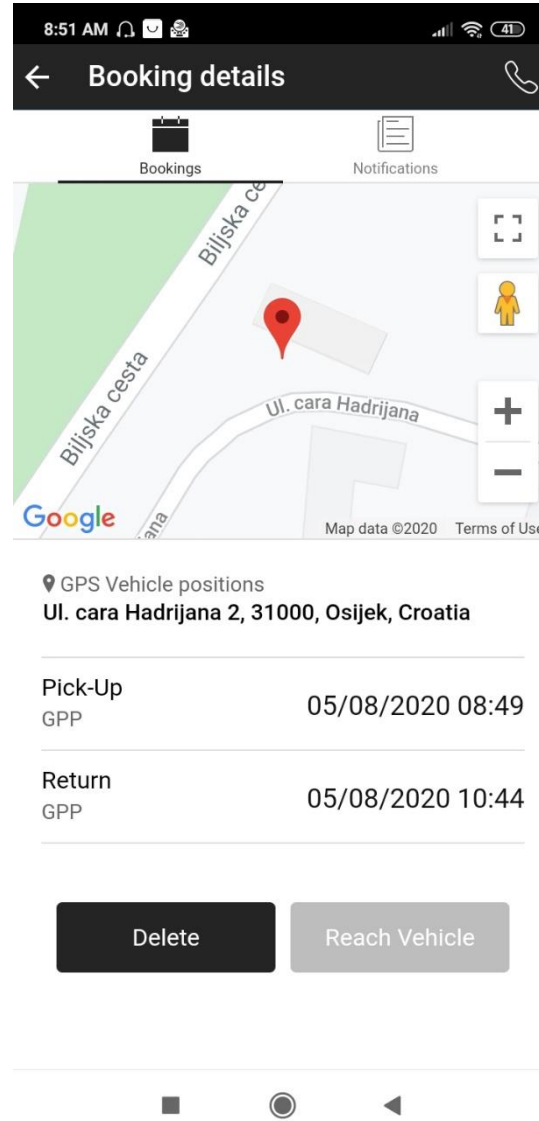
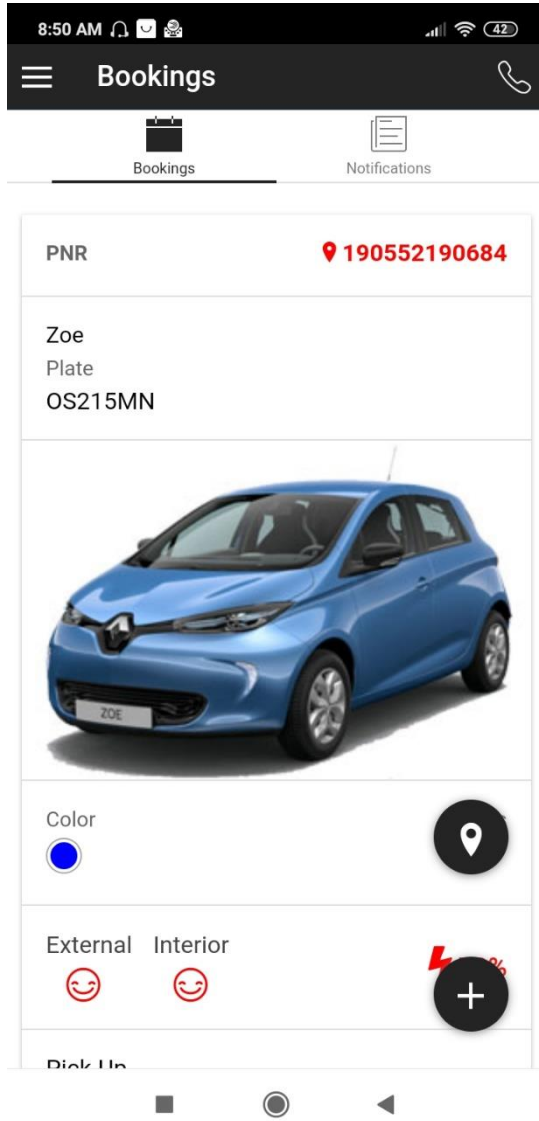
FCS - Private

Tarifa*

Credit Card B2C Fix

Izbrisati **Potvrdi**

App-mobile Design: 3 steps to book



Service Implementation and tuning

•Phase 2 developments : e-Vai

- ❖ **Back-Office** functionalities improvement have been identified by e-Vai as: map view for available car/parking, Integration with charging station, charging status display, sanctions management, Decision support tools, notifications improve, smart-list evolutions.
- ❖ **End-User** functionalities improvement as: Logging of reservation attempts, COMPANY Profiles and new I-SharE models extension to the existing customers, new tariff review.
- ❖ Phase 2 : in progress

•Phase 2 developments : Osijek-GPP

- ❖ **OnBoard** functionalities improvement as : managing windows closure, increase BlackBox frequency update,
- ❖ **Service-cfg** functionalities improvement as : vehicles return anywhere, car return max to 3hrs
- ❖ **Operations** functionalities improvement as :Advanced Fleet manager features
- ❖ Phase 2 : Evaluating request/CR (Osijek-GPP) Nov-Dec 2020

Service Replicability & Transferability

- **Issue Support for last project period (*further service tuning and evolution*)**
 - ❖ ICT and Technical request management
 - ❖ Integration and process support for 3° party systems
 - ❖ City of Osijek car sharing model Replicability to others

COORDINATORE DEL PROGETTO



PARTNER



SOSTENITORI



TECHNICAL CROATIAN WORKSHOP

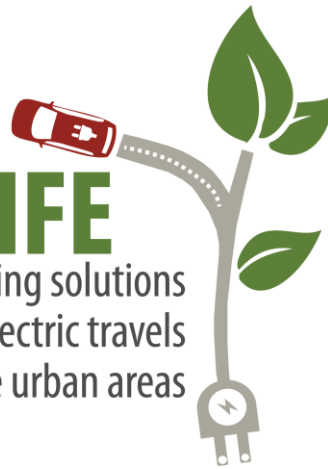
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THANK YOU FOR YOUR KIND ATTENTION!

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