USER CHI

Products and Services

INCAR, CLICK

Park4SUMP

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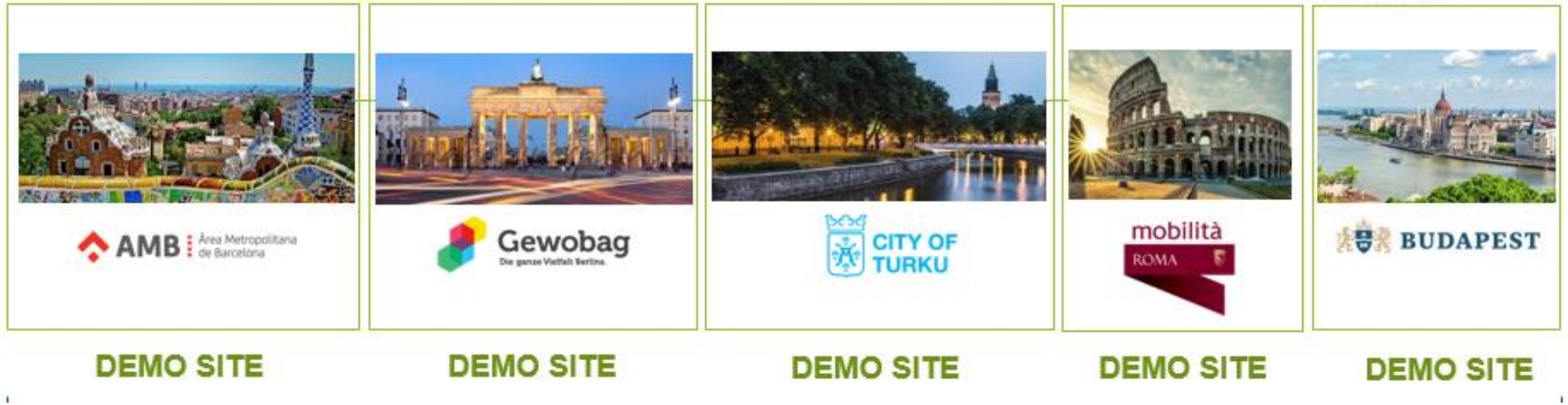
Author: **Gewobag**

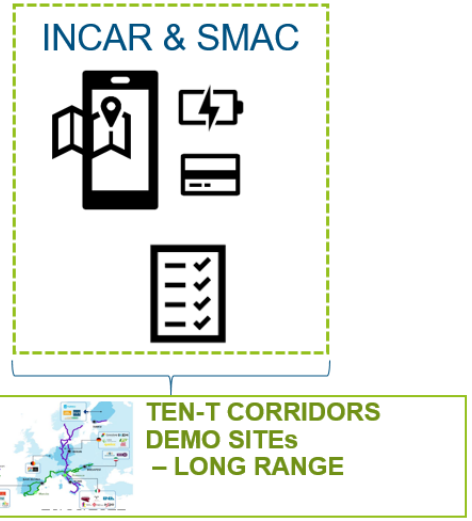
Map of Content



INCAR

Interoperability, Charging & Parking Platform

- Interoperability and roaming to access EVSEs
- Booking charging points and parking slots.
- Real time information of EVSEs availability.
- Search and routing to EVSEs.
- Integration with route planning of EV fleets.



CLICK

Charging Location and Holistic Planning Kit

- Optimise location of new EVSEs.
- Planning of new EVSEs considering user demand, territory coverage, access and grid integration.

Overview

Market Analysis (main suppliers in Europe):

- → How are basic functionalities presented? What features should our app have?
- → How can we present the layout of the screens?
- → What could be a unique selling point that the other providers don't have?
- → What does the target group want?

Content	Design
According to EV-users, there are - **too many different charging methods** - **payment methods** (RFID charging cards, charging keys, apps, prepaid charging card) - **billing systems** (per minute, per kilowatt hour (kWh),	**Multiple solutions** are offered in the apps available across Europe. The **wide range of cross-provider functions**, which are visualized differently in the apps**, leads to user confusion**.

Unique selling point: Interoperability + Compatibility

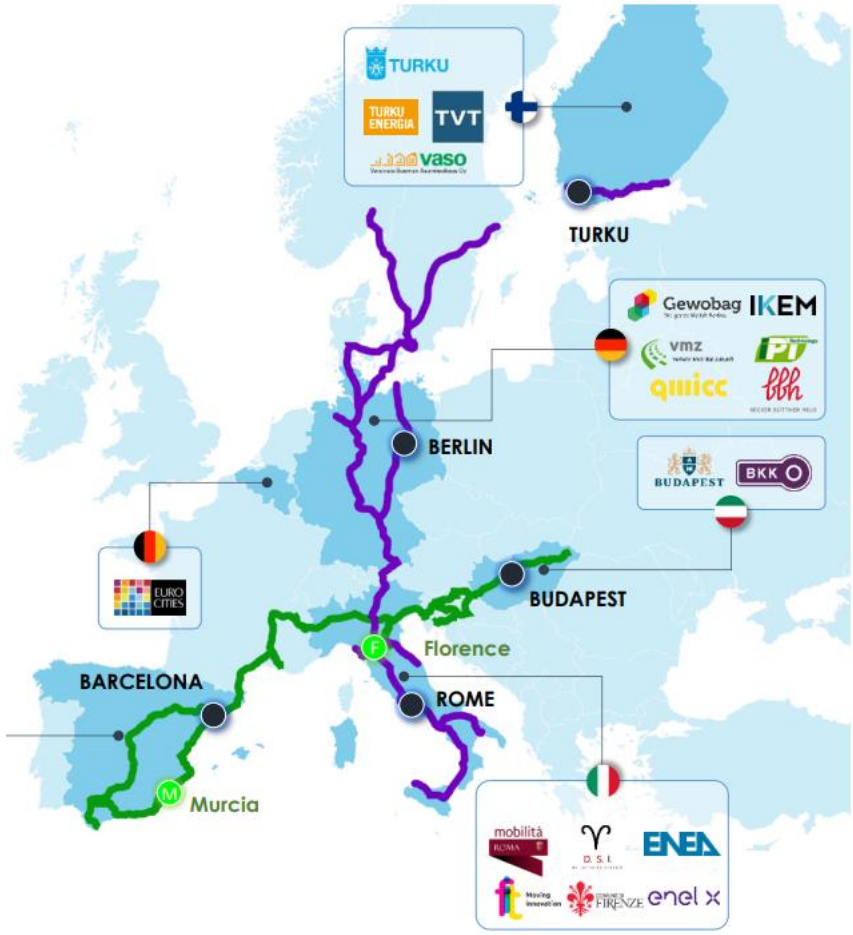
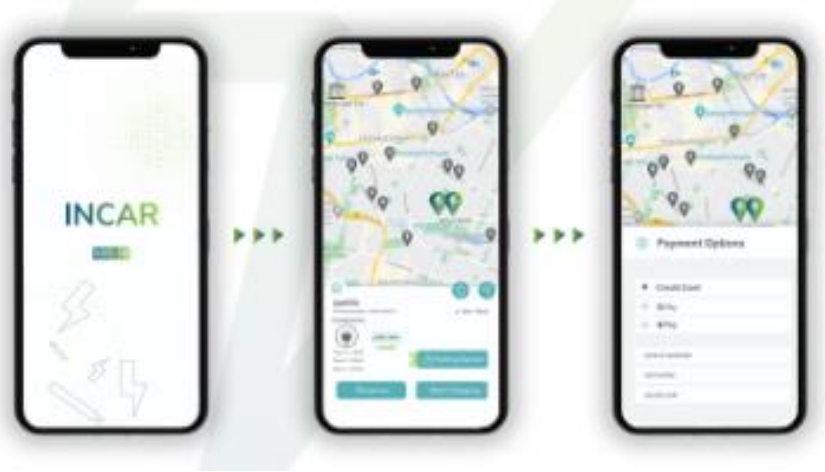


Figure 1 – USER-CHI cities and TEN-T corridors

INCAR: Idea, information, services

Idea

- Interoperable platform which centralizes and manages communication between different entities involved in charging process (EV drivers, EMSPs and CPOs) by means of OCPI 2.2



Information and services:

- Provide static information about EVSEs such as geocoordinates, available plug types and amperage
- Provide real-time information of EVSEs such as availability or price
- Reservation of EVSEs
- Management of the start and the end of transactions

CLICK

Idea

- Easy-to-use question-and-answer online tool for the top-down location planning of charging infrastructure, whose purpose is to optimise location planning for new charging infrastructure

Features of the CLICK platform (to plan new charging infrastructure):

- existing information about the city (country, city name, size and location, inhabitants as well as number of cars and the share of electric vehicles)
- **overall goal** for the planning, setting the boundaries for the amount of charging infrastructure deployed in the city, from basic coverage to lighthouse coverage (high amount of charging stations).
- **strategy of the city** in terms of areas (publicly accessible or private spaces) and technologies (AC, DC and HPC) to be covered within the planning.