

D4.3.5 County of Split-dalmatia pilot site



Document Control Sheet

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1. Introduction

1.1 Purpose of this document

This document serves as a showcase of County of Split and Dalmatia STEP-UP pilot project. The pilot project was part of the work package 4 aiming to improve County of Split and Dalmatia accessibility-mobility of passengers across County and its hinterland including e-roaming enabling active promotion.

1.2 Pilot description D3.2.2.

The idea of the project is to develop an electric charger network for electric vehicles in the hinterland of the Split-Dalmatia County. A total of five potential locations for the project were proposed: Vrlika, Sinj, Cista Provo, Zagvozd and Imotski.

The idea of project is to develop a charging station network by installing electric vehicle charging stations at spatial intervals of 30 km, in order to increase the availability of all inner parts of the Split-Dalmatia County for electric vehicle drivers. The electric charger stations will be set up on attractive tourism destinations and near frequent traffic routes, and the service itself will be tested at the time of the tourist season when the demand for charging stations is extremely high.

1.2.1 How the pilot is accessible by the end-users

The pilot project is accessible to end-users via on-line platform www.puni.hr

2. Split-Dalmatia pilot actions

The main impact of the project implementation will be stimulated by increasing mobility and increasing tourism visibility of the county's hinterland. It is also possible to expect economic changes caused by the use of rational and cost-effective transport solutions such as the transport model of electric vehicles. The implementation of project ensures technical progress (especially in the interior of the county) which should be visible in increasing quality of transport infrastructure.

Scope of pilot integration was to work on:

- Platform traffic test service with updates from traffic sources
- Installation of smart charging stations equipped with user authorization software
- Integration with the portal to collect data from charging stations

- Gather and connect GTFS data and integrate with the platform

2.1 Network of e-chargers in the County of Split and Dalmatia

By developing the EV charging infrastructure in a way to consider the integration of electric to other mobility modes and by utilising the digital platform, the Split-Dalmatia County will improve the accessibility and mobility of the passengers across the County area (especially its inland – Zagora). It will be accomplished not only by providing the traditional mobility related information, but also by including other tourist information related to the extended mobility services such as e-roaming, thus enabling the additional visibility and promotion of multimodal transportation across inland, including the network of electric vehicles and electric bicycles.

In order to guarantee the sustainability of the proposed solution (the STEP-UP platform), it is necessary to make the platform user friendly and in accordance with the needs of all relevant stakeholders. In addition, the mapping of the end users will allow STEP-UP to acquire important data which can be used for the development of the marketing studies to improve the service of the platform and/or as an input for the public policy makers and national and international authorities.

During the implementation of the pilot project we were confronted with major challenges:

- There was no existing infrastructure for setting up eChargers
- Inability to get electrical connection from HEP
- Collecting of GTFS data and data in digital format was problem in general
- Portal / Platform POI Integration was not working in time we were collecting GTFS data (BackOffice Tool Problem)

2.2 Collecting of GTFS data

GTFS data collecting was also planned as a part of pilot project to improve mobility and travel planning for tourists but also a residents Split-Dalmatia County, especially County area. data were collected from the following sources:

- Flixbus
- HŽ
- Jadroliniju
- ZOLPP
- Split express
- Zračna luka Split

Data was sent to BackOffice portal of the project.

3. Results of the SDC pilot actions

Implementation of e-Chargers has covered cities in Split-Dalmatia County in Zagora. This cities are: Vrlika, Sinj, Cista Provo, Zagvozd and Imotski.

CISTA PROVO



VRLIKA



ZAGVOZD

IMOTSKI



SINJ



After the implementation of e-Chargers, we were tracking the movement of electrical cars in County area (Zagora) of Split-Dalmatia County. The results we recorded during 2 months of collecting at e-Chargers (till the 23rd of September):

NO.	CITY	NO. OF CHARGING SESION
1	Općina Cista Provo	2
2	Vrlika	4
3	Grad Imotski	2
4	Grad Sinj	No Communication - no electricity supply was established by the electricity provider
5	Općina Zagvozd	2

Example of charging session and power consumption report:

CITY	DATE	TIME	EE CONSUMPTION
Vrlika	20.09.2019	Duration: 01:31:34	30.6 kWh

4. Considerations

By developing the EV charging infrastructure in a way to consider the integration of electric to other mobility modes and by utilising the digital platform, the Split-Dalmatia County will improve the accessibility and mobility of the passengers across the County area (especially its inland – Zagora).

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