HEP e-mobility project

Alpe-Adria Clean Transport Alliance
Zagreb, 27th of June 2022
e-mobility – main goals

- Following Directive 2014/94EU on deployment of infrastructure for alternative fuels
- Meeting the goals given in National Framework Policy on number of charging points needed in Republic of Croatia
- Reducing of greenhouse gases emissions and noise in urban areas
- Added value for citizens, guests, tourists and clients on every location
- Visibility of location on all EV infrastructure maps and platforms
- Increase of electricity in final energy consumption (overall and in transport sector)
- New service to existing and new customers (EV users)
e-mobility in HEP

Public chargers  259
Wallbox 22kW  34
AC 2x22kW  92
AC/DC 50kW  128
DC 175+ kW  6

Registered users  15,000

HEP EV fleet  70

Private chargers  45
• 27 fast AC/DC chargers
• ICT management solution

1. Market Acceleration and Business Model
2. Synergies with Green Energy
3. Network Planning and Site Finalization
4. Network Specifications and ICT Applications
• 26 fast AC/DC chargers
• 4 ultra-fast DC chargers
• Battery Energy Storage System

1. Network Planning and Realization
2. Technology, ICT, Renewables and Energy Storage
3. Pan-Cohesion EV Roll Out and Business Plan
- 12 AC/DC chargers
- 10 AC chargers
- 10 AC wallbox chargers
- (10 wireless chargers)

- Predictive analytics system and IT solution development
- Demonstration and validation in development and operational environments
- Protection of intellectual property
Business challenges

New digital services implementation into energy system
Transport paradigm shift with users and drivers
Chicken / egg situation between infrastructure and Evs on local/regional roads

INVESTING
Identification of equipment and grid connection co-financing sources

Creating regulations for optimal e-mobility development and management

REGULATORS

OPERATORS

SERVICE PROVIDERS

IT SOLUTIONS

EV MANUFACTURERS

COSTS
Low energy / High power (grid reservations)
Land usage fees

EAST-E
NEXT-E
bigEVdata
Commercial energy service in digital world
What’s next?

- Identifying further co-financing sources (CEF2 i local)
- Communication with state-level stakeholders about EU directive goals and obligations on e-mobility
- Communication with local / regional governments on their role in e-mobility development
- New business models
- New tariff models and/or user contracts

31.12.2025.

- 350kW on every 60km of TEN-T corridor (LDW)
- 1400kW on every 100km of TEN-T corridor (HDW)
- 600kW on city nodes
Local / regional government role?

Reducing of greenhouse gases emissions and noise in urban areas
Added value for citizens, guests, tourists and clients on every location
Visibility of location on all EV infrastructure maps and platforms

Investing
(design, permits, procurement, works, financing and/or co-financing)

Different kind of core-business participation?

Operating, Managing, CRM, service providing, operational costs, maintenance...

When the charger is deployed – that’s when the work (and costs) start!
Examples of usual practice
Domagoj Puzak
domagoj.puzak@hep.hr

elen.hep.hr
elen@hep.hr
0800 7443
+385 1 6288 680

THANK YOU