



MINUTES

2nd study visit

Introduction

The EMOBICITY 2nd study visit was organised by Croatian Project Partner EIHP (Energy Institute Hrvoje Požar), on 4th October 2021 in the City of Zagreb.

Minutes

The study visit began in front of the EV charging fast station with photovoltaic canopy installed. Host, EIHP welcomed and presented the first example of good practice - efforts to install infrastructure resulted in an initiative towards the Ministry of Construction, which included in the construction law that installing charging infrastructure with PV canopy does not require a building permit but a construction project. The investor (HEP.d.d.) presented the experiences in the construction itself and the operational challenges they face.



Figure 1. EV charging infrastructure with PV canopy



Afterwards, the group visited an intermodal hub. Here is an example of good practice in which the symbiosis between Railway, Tram, Bus and Road transport has been successfully achieved.

Drivers of electric vehicles can park / charge their vehicles and continue their travels in another traffic mode.

Several charging chargers of different powers (from lower power ACs to fast power DCs) have been installed on the hub.

The challenge faced by investors was also presented - in such locations in the city centre, the infrastructure is part of the cultural heritage and additional efforts are needed to fit the infrastructure and implement it in the space.



Figure 2. Fast-charging infrastructure at intermodal hub

The meeting continued at the EIHP premises. The host presented the issue of tariffs and charging, both in Croatia and in the region.

Leader in the field of installing infrastructure and providing e-mobility services in Croatia (HEP d.d.) presented their experiences.

Their business plan, their current inventory in terms of charging infrastructure and software, the problems they face (especially with an inadequate tariff system for fast chargers) and charging plans at charging stations were presented.



Figure 3. HEP e-mobility projects presentation – EIHP premises



The study visit continued with a visit to the Greyp Bikes factory.

At Greyp Bikes they design, engineer, and produce high-end electric bicycles with advanced technology and performance; offering a unique blend of high-end bike components with AI, data gathering, and augmented reality.

Their business trip and plans for the future and technical specifications of the bikes were presented.



Figure 4. Greyp e-bikes – welcome presentation

Also, an insight into the assembly line preceding the final product was obtained.



Figure 5. Greyp factory line



Ultimately, all study visit participants tried out the bikes.



Figure 6. Greyp e-bike hand on testing

The study program ended with a thematic walking tour of Zagreb, which highlighted the links with electricity and emobility. The spaces where Nikola Tesla worked were also presented.

"I consider it my duty, as the born son of my country, to help the city of Zagreb in every way with advice and action," said Tesla in his speech in which he proposed to the city municipality to build an AC power plant.



Figure 7. EMOBICITY Thematic Zagreb walking tour - monument to Nikola Tesla



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Schedule



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EMOBICITY - Increase of energy efficiency by Electric MOBility in the CITY

2nd Study Visit | Zagreb, Croatia

4 October 2021

Activity	Time CET	Theme
1	9.00 – 9.30	<i>EV charging infrastructure with PV canopy</i>
2	9.30 – 10.00	<i>Fast-charging infrastructure at intermodal hub</i>
3	10.30 – 10.40	<i>EIHP welcome (EIHP premises)</i>
4	10.40 – 11.00	<i>HEP e-mobility projects presentation: EAST-E, NEXT-E, BIG-EV data (EIHP premises)</i>
5	11.30 – 12.30	<i>Greyp e-bikes – factory visit</i>
6	13.00 – 14.30	<i>Lunch</i>
7		Free time
8	19.00 – 20.15	<i>EMOBICITY Thematic Zagreb walking tour</i>



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Activity 1 – meeting point

Address: Trg Stjepana Radića 1, 10000, Zagreb

Google map link: <https://goo.gl/maps/ZT5s540g351FwnTd7>

5-minute walk from Hotel International



The transport for further activities will be organized by EIH

Activity 8 - EMOBICITY Thematic Zagreb walking tour

Meeting point: Ban Jelačić Square (central square), in front of the Jelačić statue.

Meeting time: 19.00 h

Duration: 1.15 h





List of participants



LIST OF PARTICIPANTS

Event: EMOBICITY / 2nd Study Visit

Location: Zagreb, Croatia

Date: October 4, 2021

Name and surname	Institution/ Organization	E-mail	Signature
Miguel Quinto	DREN - Agoruz	Miguel.M.Quinto@agoruz.es	
Diego Beiras	FDENE	Diego.Beiras@fdene.es	
Hedder Rodrigues	ADENE	hedder.rodrigues@adene.pt	
Christian Dohler-Essiers	RMNH	christian.dohler@rmnh.be	
Nikos Nturos	CPDES	nturos@cpdes.gr	
Georgios Agariadis	CRGS	gagari@crgs.gr	
Arvaniti Maria Anna	Ministry of Development and Investments - Greece	marvaniti@meagr.gr	
Mateo Beus	HEP	mateo.beus@hep.hr	
TARARA TARALIK	HERDA.	tarara.taralika@herda.hr	



Name and surname	Institution / Organization	E-mail	Signature
DOMAGOJ ROZAK	HERP.d.	domagoj.puzad@herp.hr	
M. ŠTOJČIĆEVIĆ Vrhovčan	E14P	mstojc@e14p.hr	
BRUNO ŽIROV	E14P	brudov@e14p.hr	
TOMISLAV ČOŠ	E14P	tco@e14p.hr	
PELJEŠ FAŠEK	E14P	rfashek@e14p.hr	