



Project “E-mobility Cloud Center”

Dr Milan Čabarkapa



Republic of Serbia
MINISTRY OF
ENVIRONMENTAL PROTECTION



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Project

“E-mobility Cloud Center” will network all e-Mobility participants by providing drivers with complete and precise information about e-infrastructure.

This Cloud platform will monitor and manage such a closed distribution system, while electric vehicle drivers could obtain all relevant information through the iOS, Android and Web applications in order to be able to plan their journeys.



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Project

“E-mobility Cloud Center” will provide drivers of electrical vehicles an insight into

- precise location of all available chargers for electrical vehicles on the territory of the Republic of Serbia,*
- a distance and navigation to the nearest charger,*
- a current state and characteristics of the charger and its plugs,*
- current charging slots availability and possibility for reservation of time slots*
- information on payment methods and working hours.*

Such a possibility of a “trip planner” tool would significantly facilitate trip planning for the drivers and considerably save their time both in the Republic of Serbia and abroad.



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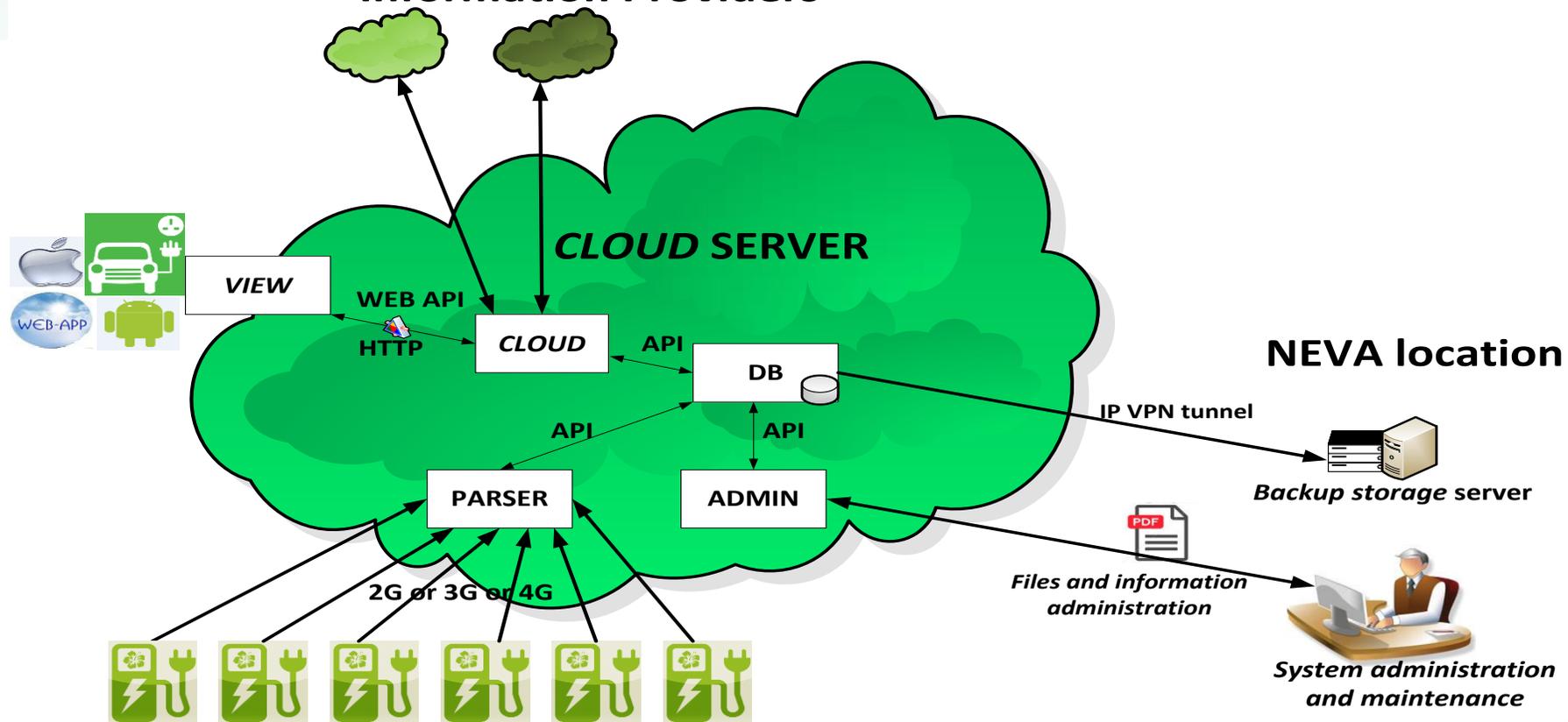


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Project – software platform

Electric Vehicle Charging Infrastructure Information Providers





Project – pilot initiative

*In scope of this pilot project is a purchase of three test chargers (each of 22 kW) which will be installed in three Srem municipalities (**Stara Pazova, Indija, and Pećinci**) that, as local governances, support this project due to high demand and interest in such a software platform.*

*The installed chargers would use only the green energy obtained from **renewable energy sources**.*

In this way, the complete test platform for full project execution will be achieved, which will at the same time have profound impact and influence on all participants raising awareness that only green energy is used to refill their vehicles, which is the onetrue, sustainable approach to drive the GHG emissions down.



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Impact

The project will significantly improve the efficiency of the use of e-infrastructure

It will raise the awareness that the charger must be supplied by renewable energy sources

It will significantly affect the involvement of local communities, business and individual users



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Impact

Direct GHG reduction impact by the proposed pilot initiative

Indirect GHG reduction impact by successful expansion or replication of the proposed pilot initiative



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Finance sustainability

Through cooperation with three local communities in which three "green chargers" will be installed within the pilot project, as well as through established partnership cooperation with the manufacturer of energy equipment, as well as part from our own funds, we will implement a pilot project.

By establishing interest and partnership relations with operators / providers of e-infrastructure and energy equipment manufacturers, we create prerequisites for their profit modeling.



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What did we do so far?

We have investigated current state-of-the-art solutions related to the proposed project.

We start with the preparation of the detailed technical documentation for this project.



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What do we plan to finish recently?

- 1. The complete technical documentation for this project will be finished.***
- 2. The detailed plan for expanding and replicating the proposed solution for potential markets will be developed in next six months.***
- 3. Implementation and testing of the MVP software platform!!!***



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Future expectations

- 1. We expect to start collaboration with other participants and try to see if there is any project idea that can be integrated in the proposed project.***
- 2. We would appreciate an assistance in the direction to find other partners and finance sources as well as to meet other vendors and operators of similar/related services in the area of the project.***
- 3. We expect help by providing experts in order to develop a detailed plan for expanding and replicating the proposed solution.***



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Our team

1. **Dr Milan Čabarkapa (development of the Android application as a part of VIEW module and testing of the realized software platform).** He is an Assistant Professor with eight years experience in project management and implementation as well as in software development.
2. **Siniša Nedeljković (development of ADMIN module, as well as development of iOS application as a part of VIEW module).** He has been working as a software developer more than 8 years in IT sector.
3. **Milana Milošević (development of web application as a part of VIEW module).** She is a software engineer with more than three years of experience in development of various IT applications and services.
4. **Stojan Končar (development of DB module and final release of software platform into operational work).** He is a software engineer with more than five years of experience in development of web and desktop applications for various markets and currently holds Senior Java Developer position.
5. **Đorđe Mijatović (development of CLOUD module).** He has been working on software developer position in various companies in previous 7 years.
6. **Jelena Mišić (development of PARSER module).** She is an engineer of electrical engineering and computer science with many-year experience in modeling and programming of electronic components.
7. **Đorđe Stiković (graphical design of the complete VIEW module).** He is graphical, web and mobile designer with more than 4 years of relevant experience.



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Thank you for your attention!

Any questions?

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