Construction of e-mobility infrastructure in the City of Zagreb

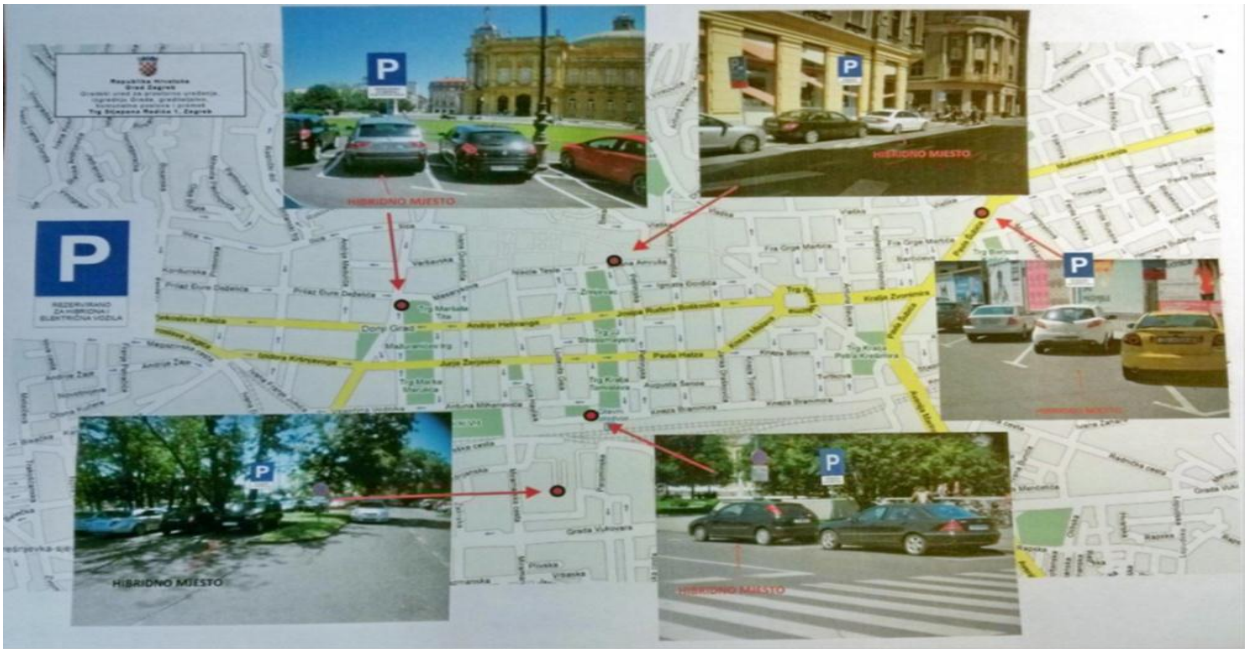
E-mobility as a new paradigm of urban transport has been recognized in Croatia only a few years ago. The first step was taken by the City of Zagreb with its „Strategy of development of energy infrastructure for charging electric vehicles“. After the adoption of national guidelines, other cities followed.

While a few years ago the City of Zagreb had only one electric vehicle charging station, today there are ten of them and the positive trend of e-infrastructure construction continues.

„Green parking“ initiative

As part of the „*Green parking*“ initiative, in 2014. the City of Zagreb introduced five parking spaces for hybrid and electric vehicles in the city center, as well as one per every public garage. The parking spaces are specially marked and located in close proximity to significant institutions and locations in the City.The fees for parking hybrid and electric vehicles in all garages, save for day and night tickets, is 50% less.

The aim of the „Green parking“ initiative is to promote the ecologically acceptable methods of individual transport in the City of Zagreb.



Parking spaces for hybrid and electric vehicles in the Zagreb center.

The construction of electric vehicle charging stations in the City of Zagreb underground garages.

As a continuation of the „green parking“ initiative, the 2014. saw the launching of the project Construction of electric vehicle charging stations in the City of Zagreb underground garages. At the beginning of this year, the Environmental Protection and Energy Efficiency Fund has approved financial assets for the project realization, amounting to 40% of investment value. The project plans the construction of a double electric vehicle charging station 2x22 kW in five underground garages of the City:

- public garage Gorica, Martićeva 69, Zagreb
- public garage Kvaternikov trg, Kvaternikov trg bb, Zagreb,
- public garage Langov trg, Langov trg bb, Zagreb,
- public garage Petrinjska, Petrinjska 59, Zagreb,
- public garage Tuškanac, Tuškanac, Zagreb

ELEN project

HEP national campaign for the provision of electrical energy is leading the project of e-mobility development ELEN. The City of Zagreb has signed an agreement on cooperation with the HEP Company in order to encourage the construction of electric vehicle charging stations.
In April of this year, the new HEP administration building was home to the presentation of new electric vehicles. The presentation featured a detailed account of the ELEN charging stations system, which will provide the necessary driving energy for the vehicles.

Presentation of the ELEN charging station, 08.04.2015.

The charging system ELEN allows for simultaneous charging of at least eight vehicles on a single central unit of maximum 22 kW power with two charging spaces and six more individual chargers of 3,7 kW.

The procurement of electric vehicles, aided by the grant of the Environmental Protection and Energy Efficiency Fund, demonstrates the HEP Company's wish to, as the largest producer of electric energy from

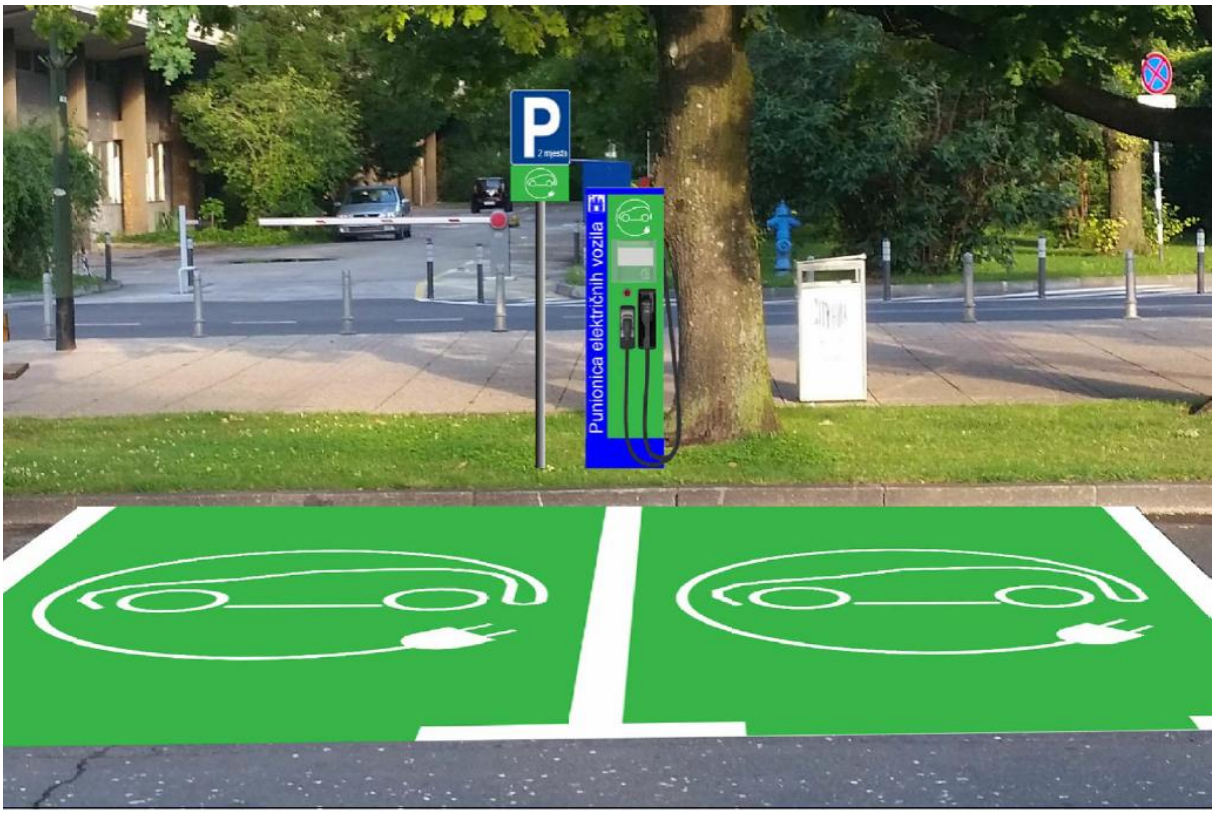
renewable sources, show that the use of electric vehicles, as opposed to regular, is beneficial in numerous ways.

It is intended to connect the entire country to the european energy highway by constructing a public infrastructure of ELEN charging stations.

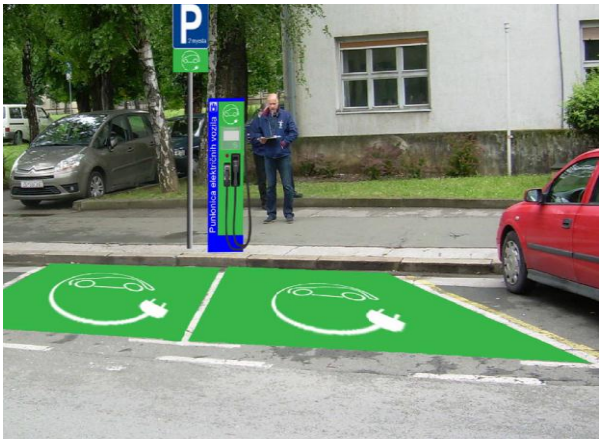
ELEN charging station

The construction of charging stations on parking lots in front of the City of Zagreb administration buildings-project CEGC.

The City of Zagreb has initiated the construction of five electric vehicle charging stations (up to 50 kW) at the parking lots of the City of Zagreb administration buildings.



Charging station, Trg S, Radića 1

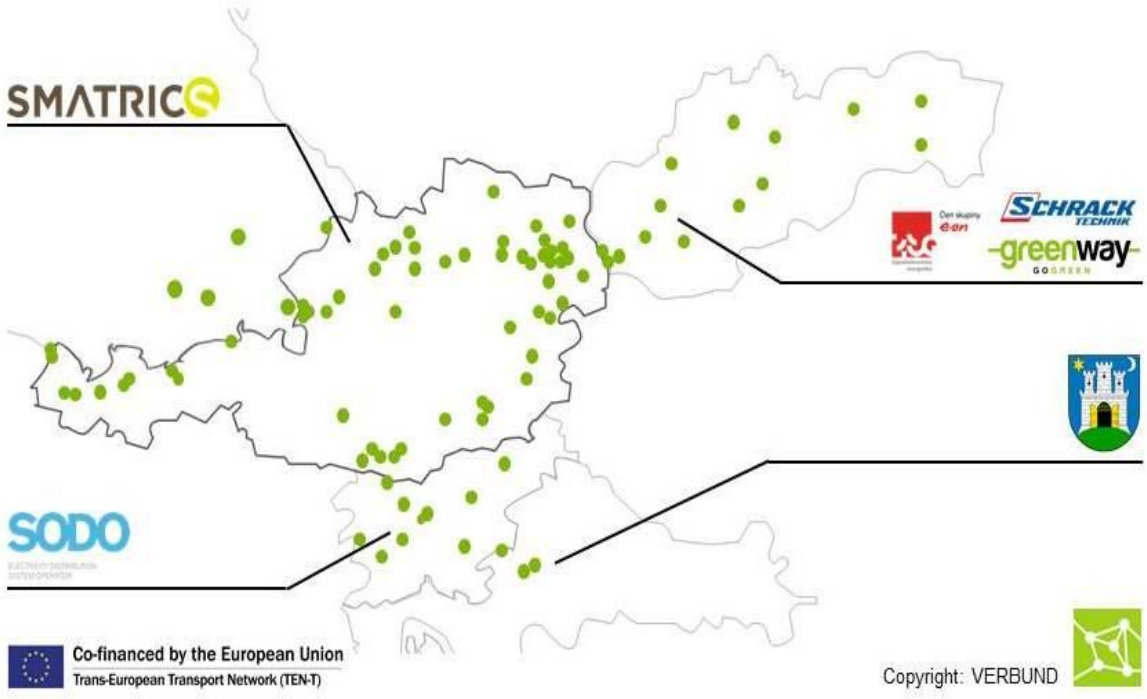


Charging station Črnomerec

Charging station Trešnjevka

The construction of three of the five charging stations shall be financed as part of the project CEGC-Central European Green Corridors. The project will deploy 115 high power charging stations in Austria, Croatia, Germany, Slovakia, and Slovenia to create a recharging network with country-wide coverage in Austria, Slovenia and Slovakia. A limited number of the high power charging stations will provide connections from this network to major cities in Croatia (Zagreb) and Germany (Munich).

The Central European Green Corridors project will create multi-modal, cross-border corridors along TEN-T roads by demonstrating a network of high power recharging points for EVs to enable long distance driving along the TEN-T network in Austria, Slovenia and Slovakia, including the cross border sections to Germany and Croatia.



CEGC - network of high power recharging points for EVs