E-MOBILITY IN SZEGED – ELECTRIC CARS AND CHARGING POINTS

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Abstract

In our wider and narrower environment, due to the significant developments in the automotive industry, increasing attention is trending towards electric powered vehicles. Trams and trolley buses have been running in Szeged for many decades, and recent years in self-propelling version. At the same time the population's buying activity of electric powered cars is increasing.
The University of Szeged, Faculty of Engineering (together with the Szeged Transport Company) participate in a HORIZON2020 tender called „ELIPTIC" (Electrification of Public Transport in Cities) research-development project, which started on 1 June 2015 and ends on 31 May 2018.
One of the main aims of the Eliptic project is to explore what kind of extra services the hybrid trolleybuses can provide in Szeged, and how they can contribute sustainable public transport, thereby shaping and developing the attitude of the population in this area. Connected to the application's topic, with our survey we measured what the population know about electric vehicles and the filling points, asked their opinion, and searched for an answer to the revealed challenges. In September 2017 University of Szeged, Faculty of Engineering cooperated with university's students and they did the questionnaire survey among the population.
We did a personal questionnaire survey during our research to explore the habits of current and potential, in the future electric car users in connection with traffic and charging, demands and preferences related to electromobility.
The current vehicles users and the potential electric car customers belong to the questionnaire's focus group. We will ask their opinion and we will search answers to the emerging challenge. Our investigation is a part of a project (H2020) run for several years, which is to reveal opportunities for public transport and personal transport to become electric.

Key words: electric cars, electric charging, Szeged, environment protection

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