Bosnia and herzegovina electric vehicle safety

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In this paper an overview of the current state of electromobility in Bosnia and Herzegovina (BiH) and a prediction of the future state of electromobility in BiH according to models from the European Union (EU) and the state expected in the future is given. Based on the reference state, an analysis of energy consumption and energy savings due to the increase in the number of EVs in the future was performed. The main goal of this paper is to provide predictable data on the number of EVs expected in the future, according to models from the EU. These data can be used when planning the development of the network for electric cars, mainly charging stations. An analysis of the current state of the number and locations of charging stations for electric vehicles (EVs) was made.

By signing the Sofia Declaration on the Green Agenda for Western Balkans, BiH committed itself to defining and implementing solutions for sustainable mobility at the regional level, including plans for exemplary alternative fuels and construction of electric charging stations and pumping stations, and increasing regional cooperation in the field of infrastructure development for alternative fuels.

Introduction of e-mobility in Bosnia and Herzegovina could provide significant benefits for the environment, the economy, politics, and society. Electric vehicles produce no local emissions from burning fuel. Thus, electrification of transport will be a crucial contribution to improve air quality in cities. In combination with (additional) renewable energy electrification can reduce the CO2 footprint. Additionally, by introducing e-mobility Bosnia and Herzegovina can demonstrate its commitment to reducing carbon footprint and meeting its climate goals. This could enhance the country’s reputation and help it to attract international investment and partnerships.

This panel will discuss the current state and the development dynamics of the transportation sector in Bosnia and Herzegovina. It will discuss the obligations and achievements in this sector with a special focus on the area of legislation. Additionally, it will showcase innovative ideas that are being implemented and stress the barriers within the implementation process.

E-mobility and Market Study in Bosnia and Herzegovina - Anesa Bor?ak

On February 26 and 27, the Electric Vehicle Exhibition EV WEEK 2024 was held in Sarajevo, gathering leading experts in electromobility from Bosnia and Herzegovina and the region.

Electromobility refers to the use of electrically powered vehicles (EVs) instead of internal combustion engine vehicles (petrol, diesel). This technology is increasingly being developed as an alternative to traditional vehicles to reduce harmful gas emissions and improve sustainability in the transportation sector. Electromobility encompasses a wide range of vehicles, including electric cars, hybrid cars, electric buses,

bicycles, scooters, etc.

Representative of the Institute for Standardization of Bosnia and Herzegovina, M.Sc. Miljan Savi? participated in a panel discussion, emphasizing the importance of standards in the development of electromobility.

Why are the standards for electromobility so important?

· In order to establish interoperability, as standards enable different manufacturers to develop compatible components and systems for electromobility, such as batteries, chargers, electric motors, etc.

· Standards define safety requirements to ensure the safety of users, vehicles, and charging infrastructure. Standards help ensure that electric vehicles are safe for drivers, passengers, and the environment.

· Standards play a crucial role in ensuring the safety, reliability, and efficiency of electric vehicle charging infrastructure and enable the development of globally compatible infrastructure.

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