

SUSTAINABLE MOBILITY.PROSPECTS OF UKRAINE

Sustainable mobility is considered one of the priority issues worldwide due to the need to mitigate the negative impacts of transportation on the environment, public health and urban life. Emissions from all types of road transportation, including cars, trucks, motorcycles, and buses, account for 11.9% of total transportation emissions.

In 2023, the gross domestic product index in Ukraine experienced the deepest drop in the entire history of independence - it decreased by 29.1%. The reason was the full-scale invasion of Russia, which led to the occupation of territories, destruction of infrastructure and production, blockade of Black Sea ports, destruction of logistics and mass migration, but despite the challenges, Ukraine has significant opportunities and potential ways to promote sustainable mobility.

The main principles of sustainable urban transport are - planning of densely built cities and on a human scale, optimization of the road network and its use, development of transit-oriented cities, promotion of pedestrian routes and for cycling, implementation of transit improvements, parking management, support of ecological vehicles, solutions with information and development a general comprehensive approach.

Let's consider different strategies and initiatives that can contribute to the promotion of sustainable transport systems in Ukraine. These include investment in public transport infrastructure, promotion of active modes of transport, introduction of clean and alternative fuels, introduction of innovative technologies and integration of land use planning and transport policy. The implementation of multimodal transport systems is one of the directions of sustainable mobility development.

Digital transformations in transportation technologies are aimed at developing applications for interacting with physical systems, developing geolocation applications, developing communication tools between devices and services, data exchange between different systems, payment systems and data protection systems.

By systematically examining the challenges, opportunities and potential pathways to sustainable mobility in Ukraine, this article contributes to the growing body of knowledge on sustainable transport systems and informs policy makers, practitioners and stakeholders in Ukraine and beyond. By adopting a holistic approach that combines environmental, social and economic considerations, Ukraine can pave the way for a more sustainable future in the transport sector.