



SUSTAINABLE TRANSPORTATION SYSTEMS

Yuldashev Rustam Jabbor ugli

Student at Karshi State University

<https://doi.org/10.5281/zenodo.17471119>

ARTICLE INFO

Received: 26th October 2025

Accepted: 27th October 2025

Online: 28th October 2025

KEYWORDS

sustainable transport, ecology, energy efficiency, electric vehicle, logistics, transport policy, innovation

ABSTRACT

This in the article The economic, environmental and social importance of creating sustainable transport systems will be analyzed. The environmental impact of transport, environmental safety, energy efficiency and the use of modern technologies will be considered. Also, the formation of a sustainable transport system in the conditions of Uzbekistan according to recommendations is given

Intruduction.

Transportation system humanity It is an integral part of the development of the world, ensuring economic growth and social well-being. However, with the increase in modern vehicles, environmental problems, energy consumption and noise levels are increasing. Therefore, in recent years, the concept of a "sustainable transport system" has become a global issue.

Main part .

1. Sustainable transport system essence A sustainable transport system is an environmentally friendly, energy-efficient, socially just and economically efficient transport system. Its main goal is to improve the quality of transport services while protecting the environment. negative the effect is to reduce.

2. Stable of transport main directions

- ** Electric cars and Hybrid vehicles **: the most effective means of reducing carbon emissions.

- ** Development of public transport **: expansion of bus, metro and tram networks will reduce the number of private cars.

- ** Bicycle and Pedestrian infrastructure **: promotes a healthy lifestyle and reduces traffic pressure.

- ** Digital Control Systems **: Coordination of traffic through "intelligent transportation" technologies and traffic jams reduce

3. In the conditions of Uzbekistan Sustainable transport policy As part of the "Green Economy" strategy in Uzbekistan until 2030, it is planned to widely introduce environmentally friendly vehicles. An example of this is the expansion of charging stations for electric vehicles, bicycle lanes and metro lines in Tashkent.

4. Problems and prospects - Insufficient infrastructure;

maintenance system for electric vehicles ;

- Poor quality of public transport;

- Insufficient level of environmental awareness among citizens. These eliminate to grow

It is necessary to align public policy with digital technologies , involve the private sector, and expand the system of incentives that encourage sustainable transport .

Conclusion. Sustainable transport systems Development is not only an ecological necessity, but also a guarantee of economic and social stability. For Uzbekistan, innovative approaches, the use of international experience, and raising the environmental awareness of the population are important in this direction. importance profession will reach.

References:

1. "Green Economy" Strategy of the Republic of Uzbekistan, 2022.
2. United Nations (2023). Sustainable Urban Transport Report.
3. Khodjayev, A. (2022). Issues of environmental sustainability in the transport system. Tashkent.
4. Gafurova , M. (2021). Sustainable development and environmental security. Samarkand.
5. World Bank data: World Sustainable Transport Outlook, 2023.