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REDUCING ENVIRONMENTAL DAMAGE THROUGH IMPROVING
ECOLOGICALLY CLEAN TRANSPORT TYPES

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Abstract. This article focuses on the importance of improving environmentally friendly modes of transport in reducing the negative impact of the transport system on the environment, cleaning the air and ensuring sustainable economic growth. This process includes strategic measures such as the popularization of electric vehicles, modernization of infrastructure and improvement of legislation, and is of great importance today.

Keywords: environmentally friendly transport, environmental protection, labor protection.

Main areas of improvement. The following priority tasks have been set for the development of ecological transport: Electric vehicles and green transport: Expand the production of electric buses and electric cars, as well as introduce transport technologies that run on hydrogen fuel. Ecological stickers and zones: In Uzbekistan, vehicles are divided into "green", "yellow" and "red" categories depending on the harmful substances they emit into the atmosphere. Accordingly, special ecological zones are being established in cities [1]. Infrastructure development: Increase the number of charging stations for electric vehicles and create dedicated lanes for public transport. Green logistics: Increase logistics efficiency by introducing environmentally friendly models (e.g. electric trucks) into freight transport systems.

State support measures. In accordance with the Resolution of the Cabinet of Ministers of the Republic of Uzbekistan No. 166 dated March 29, 2024, the following systems are being established to encourage ecological transport: Subsidies: It is envisaged to provide subsidies to the population to replace vehicles of the "harmful" category with vehicles of the "clean" (electric) category. Compensation payments: Compensation payments will be charged from vehicles whose ecological category does not meet the requirements of the territorial zone. Technical inspection: The amount of pollutants in motor vehicles is regularly monitored as part of the "Clean Air" measures.

Not only cars, but also heavy industry is changing to the "green" direction: Hydrogen and Biofuels: Sustainable Aviation Fuel (SAF) and hydrogen technologies for cargo ships and aircraft are rapidly developing. For example, the company "Vela" is developing huge cargo trimarans powered by wind power. Solid-state batteries: These batteries will dramatically increase the range of electric vehicles and reduce charging times. Smart logistics: Route optimization using AI (artificial intelligence) and delivery by drones are significantly reducing transport emissions.

Environmentally and economically efficient. Reducing your carbon footprint: Switching from cars to public transport or cycling can reduce your annual carbon footprint by up to 3.6 tonnes. The United Nations has declared the start of the "Decade of



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Sustainable Transport" starting in 2026. "Greening" urban infrastructure worldwide means not only cleaning up the air, but also fundamentally changing the quality of urban life.

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