

MODERN PASSENGER TRANSPORT TRENDS

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The main goal of passenger transport is to meet the transportation needs of the population fully, timely and efficiently. At the same time, attention should be focused on improving the quality of passenger service [1]. In 2024, passenger turnover amounted to 25,436.3 million passenger-kilometers, and passenger transport services were provided to 1,643 million people. Cargo turnover during this period reached 74 billion tonne-kilometers [2].

Modern transportation includes a wide range of means of transportation that ensure comfort, safety and efficiency. Among the main directions of its development are:

1. Diversity of transport.

Metro is a fast and efficient way to travel in densely populated cities. Buses and trams are widely used on city and suburban routes, providing accessibility. Trains including both commuter and long-distance high-speed trains provide fast and comfortable travel between cities and regions. Bicycles and electric scooters as modern rental systems make it easy to get around the city on environmentally friendly transport. Air transport remains an important means of long-distance travel, especially for international travel. Water transport such as ferries and river trams are used in some regions to transport passengers across water obstacles.

2. Innovative Technologies.

Nowadays there is an active implementation of automated traffic management systems, driverless vehicles, and intelligent passenger flow management systems. Besides, many public transport systems are switching to electric engines, reducing carbon emissions and improving the environment. Currently mobile apps are used to purchase tickets, track routes, and get arrival times.

3. Environmental Sustainability.

At present projects has been implemented creating “smart” cities where the transport system is integrated into the urban infrastructure. They improve also the infrastructure for pedestrians and cyclists to encourage an active lifestyle. The passenger behavior is stimulated to change trying to increase an interest in public transport amid rising fuel prices and environmental concerns.

4. Improving User Experience.

In order to improve the travel experience of occupants, modern vehicles are equipped with safety systems, air conditioning, Wi-Fi and other features. Using different information technologies to provide information about routes and stops helps passengers navigate the transport system more easily.

Ensuring accessibility of transport for people with disabilities is essential for creating a user-friendly public transportation system. Urban transport strives to become as comfortable and flexible as possible, adapting routes to different circumstances, whether it is a daily routine or mass events. Thanks to new technologies, it is possible to monitor the load on transport in real time and quickly adjust the number of cars on the route [3].

The development of passenger transport continues to take into account the needs of society and adapt to modern challenges, becoming an important element of urban life and infrastructure. Innovative solutions improve efficiency and comfort for all passengers.

References

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