



## THE GROWTH OF COMPETITION IN THE INTERNATIONAL MARKET AND THE DYNAMIC DEVELOPMENT OF TRANSPORT ENTERPRISES

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Article history:	Abstract:
<b>Received:</b> 28 <sup>th</sup> May 2024 <b>Accepted:</b> 26 <sup>th</sup> June 2024	This article is aimed at researching and developing a unified digital transport and logistics intelligent platform based on the national operator infrastructure. In the context of the rapid development of the transport and logistics sector, the creation of this platform is an important strategic initiative.

**Keywords:** Intelligent transport and logistics system, national operator, data integration, route optimization, demand forecasting, cargo tracking, improved planning, coordination, analysis, data security, standards, cooperation, efficiency, innovation.

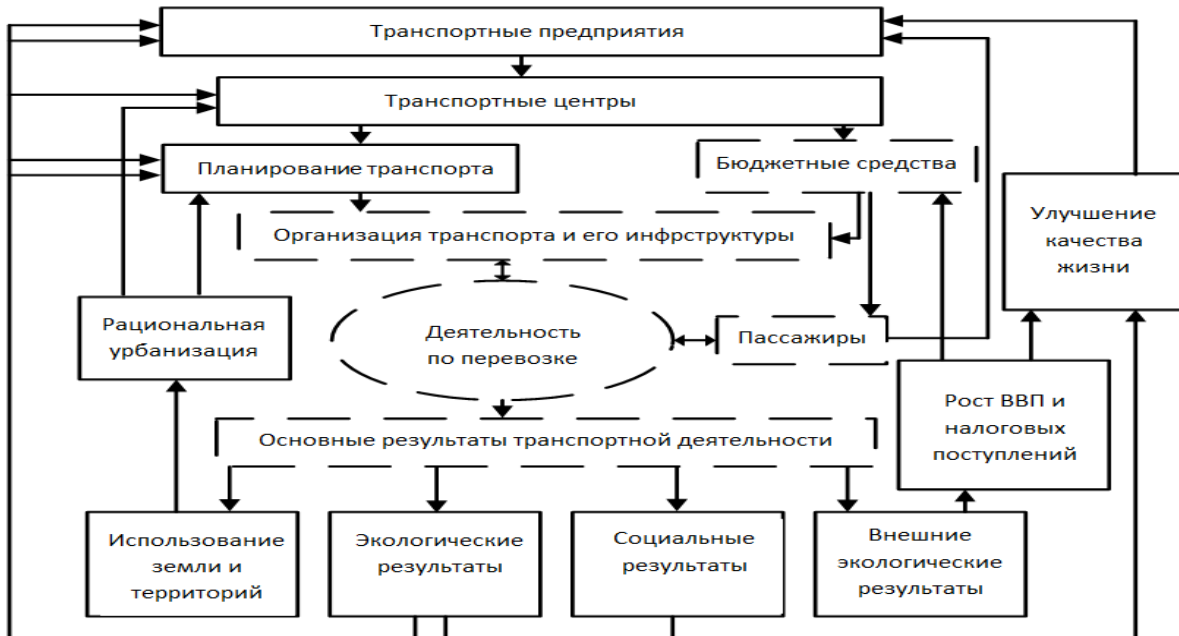
Growing competition in the international market and the effective development of industrial sectors are aimed at forming a digital economy based on key aspects of economic reforms, such as information and communication and intelligent technologies. In the context of solving these strategically important issues, the sustainable development of transport companies plays an increasingly important role.

The transition of transport enterprises to a new paradigm - intelligent transport systems (ITS) - under the influence of economic changes at the beginning of the 21st century, as well as the world experience of ITS implementation, demonstrate an increase in budget revenues by at least 20%. An analysis of the economic development of transport and industrial complexes in various countries shows that countries such as the United States, Japan, Germany and Korea are leading in increasing the share of transport networks in their economies and ensuring their competitiveness.

In the United States, the transport network accounts for about 7.3% of the total capital investment, in Japan - 4.5%, in Germany - 5.1%, and in Korea - 4.5%. Thus,

hyperconnectivity in the economy is an interconnected digital interaction of people, organizations and vehicles based on the Internet, mobile technologies, the Internet of Things (NI), blockchain and artificial intelligence, which forms the basis of the digital economy.

At the new stage of economic and social development of Uzbekistan, special emphasis is placed on the issues of sustainable development of the transport industry. The Development Strategy of the New Uzbekistan for 2022-2026 outlines key tasks for radically improving the quality of transport services. In this regard, it is necessary to strengthen scientific research in this area, such as improving competitive mechanisms using digital technologies, expanding the forms of automobile transport services and introducing intelligent transport systems (ITS) to increase the competitiveness of public transport enterprises. Based on the conducted scientific research on improving the methodology of sustainable development of transport complexes in the world, including the following scientific results were obtained: in order to achieve sustainability of the concept of sustainable development



**Fig. 1. Intelligent model system for sustainable development of transport centers**

Enterprises of the transport and logistics complex in the innovative economy, its main directions have been developed, based on the priority use in the report for 2030. In order to improve the methodology for sustainable development of industrial enterprises, scientific research is being conducted, including in the following priority areas: improving economic models for

sustainable development of the transport network, improving theories of sustainable development, improving technological devices, focusing the activities of investment companies on innovative projects, increasing the competitiveness of the industry according to promising target indicators.

**Table 1.**  
**Volumes of freight traffic in the Republic of Uzbekistan by types of transport**

	2015	2016	2017	2018	2019	2020	2021	2022
<b>Грузоперевозки, млн. т</b>	<b>1 000,4</b>	<b>1 070,5</b>	<b>1 132,5</b>	<b>1 146,2</b>	<b>1 243,0</b>	<b>1319,8</b>	<b>1366,7</b>	<b>1466,7</b>
В том числе транспорт:								
железнодорожный	65,7	67,2	67,6	67,9	68,4	70,1	70,6	71,6
автомобильный	868,9*)	943,3	1002,8	1 013,1	1 102,2	1177,7	1138,2	1238,2
трубопроводный	65,8	60,0	62,2	65,1	72,4	72,0	57,9	59,9
воздушный транспорт, тыс. т	23,0	24,6	26,5	26,4	13,1	10,4	5,3	5,8
<b>Грузооборот млрд. т-км</b>	<b>66,2</b>	<b>65,8</b>	<b>65,3</b>	<b>66,9</b>	<b>71,3</b>	<b>72,6</b>	<b>66,9</b>	<b>68,9</b>
В том числе транспорт:								
железнодорожный	22,9	22,9	22,9	22,9	22,9	23,4	23,6	25,6
автомобильный	11,9 <sup>д</sup>	12,8 <sup>д</sup>	13,3	13,6	14,6	15,9	16,2	18,2
трубопроводный	31,2	30,0	28,9	30,2	33,6	33,2	26,8	29,8
воздушный транспорт, тыс. т	125,1	131,1	132,2	156,9	123,5	119,0	98,3	221,0

The current state of sustainable development of transport enterprises in the context of the formation of a digital economy and its assessments considers the

economic principles of the activities of TC enterprises, criteria and indicators of economic and environmental safety of industrial products, business development



methods and innovations in the context of monitoring transport and logistics centers, assessing the prospects for the technological development of transport networks and the relevance of digitalization, as well as economic methods that take into account the socio-economic and environmental aspects of sustainable development of transport enterprises. The current state of development of transport enterprises of Uzbekistan is analyzed based on the current state of development of the scientific and technical potential of these enterprises (Table 1). It can be stated that the bulk of cargo transported across the republic (91.9 percent) is carried out by road. Transport services account for 1/3 of the total volume of services. The study of the volume of freight transportation by types of economic activity and freight transportation by types of transport for 2011-2022 shows that in 2022 alone, the total volume of freight transportation by road amounted to 1466.7 million tons, by rail - 71.6 million tons, by air - 5.8 million tons. There is a steady growth

in the volume of foreign trade and freight transportation in Uzbekistan. The structure of exports has changed, the share of fresh and processed fruit and vegetable products is growing, which increases the demand for the services of transport centers. Ensuring the attractiveness of motor transport enterprises in the dissertation was considered as an important direction for increasing the competitiveness of the national economy. The United Nations General Assembly declared the current decade one of the most pressing issues of ensuring road safety and improving transport safety for 2011-2020, the overall goal is to implement sustainable strategies and programs, achieving a reduction in the estimated level of mortality in road accidents by 2020 from a safety point of view. It is envisaged to improve the quality of data collection, monitor progress and increase the levels of performance not only at the national but also at the global level.

**Problems of the transport network of the Republic of Uzbekistan**

Ensuring quality characteristics of transport services
Ensuring rational interaction of modes of transport
Developing a Science-Based Architecture for Good Governance
Providing a range of research in the interests of developing the shopping center.
Training and advanced training of specialists
Ensuring the minimization of the impact of transport activities on the environment
Lack of a mechanism for attracting foreign qualified specialists in order to implement advanced experience
Ensuring rational use of the existing transport complex through ITS
Creation of a unified transport system that allows for the rational use of resources of transport industries and the advantages of each type of transport

Sustainable development of transit potential in the perspective of Uzbekistan until 2035 involves taking into account a number of factors, while an important role is played by the assessment of transcontinental trade potential taking into account the prospects for the development of freight transportation. Problems of logistics and freight transportation, inefficient organization of freight transportation reduces the competitiveness of companies in international markets, and the lack of modern infrastructure, including improving the condition of roads, railways, airports and terminals needs to be modernized. Limited integration of digital technologies despite global trends, the level of implementation of digitalization and intelligent transport systems (ITS) in the country's transport industry remains insufficient.

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