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**Development of transport and
logistics infrastructure in the
Republic of Kazakhstan**

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**Қазақстан
Республикасының
көліктік-логистикалық
инфрақұрылымының дамуы**

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**Развитие транспортно-
логистической
инфраструктуры
в Республике Казахстан**

The modernization of logistics and logistics systems occupy a special role in the improvement of the transport system, as well as the entire range of services for fast and high-quality delivery of goods. Important strategy for international logistics management in global markets is the clarity and high speed processing transactions. The relevance of logistics becomes a key point in developed societies.

Transport logistics occupies a strategic role in the industrial development of the Republic of Kazakhstan. Carrying out the movement of goods and passengers, transport accounts for some work and ensures optimum distribution of productive forces and the rationalization of economic

ties. This article shows the current state of the logistics market in the Republic of Kazakhstan. Transport logistics is one of the conditions for the successful implementation of the forced industrialization of the country.

Key words: Logistics, Logistic System, Management, Transport, Transport Logistics, logistics infrastructure.

Соңғы жылдары Қазақстан өзінің транзиттік әлеуетін толық көлемде жүзеге асыруға біртіндеп жақындап келеді. Оны іске асыру үшін бірден бірнеше бағыттағы жұмыстар бастап та кетті. «Транзиттік жол» – Қазақстан Республикасы үшін ерекше орын алатын көлік-коммуникациялық өтеулерді экспорттау формасы. Халықаралық транзиттегі Қазақстан Республикасының ұлттық мүдделері көліктік дәліздерде қатысуымен қарастырылады. Көлік және коммуникация кешенін дамытуда Қазақстанның транзиттік көліктік әлеуетін арттыру және толығырақ пайдалану маңызды бағыт болып табылады. Қазақстан аумағы арқылы жүктер мен жолаушыларды транзиттік тасымалдау Қазақстанның қолданыстағы заңнамаларына және халықаралық келісімдер мен келісімшарттарға сәйкес теміржолмен, әуе жолымен, автомобиль жолымен, мемлекетаралық бағыттардағы ашық теңіз және ішкі су көліктерімен, жолдармен және су жолдарымен жүзеге асырылады. Жалпы, соңғы жылдары жүзеге асырылып жатқан еліміздегі ең ауқымды транзиттік жоба – «Батыс Еуропа – Батыс Қытай» магистраль дәлізі Президенттің Жолдауында еліміздің инфрақұрылымының әртүрлі салалары толығымен қамтылған. Яғни, бұл тек қана транспорт-логистикалық инфрақұрылым ғана емес, сонымен қатар, индустриалды-энергетикалық, тұрғын-үй және т.б. инфрақұрылымдар жүйелері болып отыр.

Түйін сөздер: логистика, логистикалық жүйе, басқару, көлік, көліктік логистика, көліктік инфрақұрылым.

В статье исследованы сущность и значение транзитного потенциала, рассмотрены тенденции развития железнодорожного и воздушного транспорта, основные направления совершенствования транспортно-логистической инфраструктуры. Особое внимание автором уделено формированию транспортно-логистического хаба страны. Раскрываются сущность и значение новой экономической стратегии «Нұрлы жол – путь в будущее», обосновывается необходимость совершенствования транспортно-логистической инфраструктуры и транзитного потенциала. Отмечается, что дальнейшее развитие транспортно-логистической инфраструктуры станет реальным катализатором развития экономики.

Рассматривается проблема повышения конкурентоспособности транспортной инфраструктуры на пространстве Таможенного союза Белоруссии, Казахстана и России. Оценивается экономическая эффективность встраивания транспортно-логистических систем этих стран в международные грузопотоки на транспортном плече Китай – Западная Европа. В связи с этим ставится задача выявить основные проблемы развития тех участков транспортно-логистической инфраструктуры стран-участниц, которые задействованы в формировании международных транспортных коридоров, и наметить оптимальные формы развития маршрутов грузопотоков. Рост экономики сопровождается бурным ростом рынка транспортных, экспедиторских и логистических услуг.

Ключевые слова: логистика, логистическая система, управление, транспорт, транспортная логистика, логистическая инфраструктура.

**DEVELOPMENT
OF TRANSPORT
AND LOGISTICS
INFRASTRUCTURE
IN THE REPUBLIC OF
KAZAKHSTAN****Introduction**

It should be noted that in the current global environment, logistics plays a key role in the industrial development of the State. In some countries, the government first had focused on the development of logistics as a major factor to stimulate industrial development. In Kazakhstan, this tool can also bring significant economic benefits for the industrial breakthrough.

Promising directions of the new Center, including:

- information and analytical support;

- support, development of practical recommendations for decision-making on transport policy. In addition, the Logistics Center will hold specialized conferences and business forums for industry professionals and implement skills development, to create a single information portal on transport logistics, as well as guidebooks for logistics operators in Kazakhstan.

Experimental part. In order to develop transport and logistics system of the Republic of Kazakhstan developed a master plan for its development with the assistance of international consultants. This document is a program of development of transport logistics industry in the framework of the current programs of the Government, in particular, and the State Program of Forced Industrial-Innovative Development. The urgency of the project due to the need for a comprehensive review of approaches to the management of the transport complex of the country and the use of a new paradigm of modern transport and logistics system. The main objective is to improve the quality of transport and logistics services and bringing them up to excellent, global availability of communications for Kazakhstan's exports.

The Republic of Kazakhstan is carried out systematic work to improve the quality of transport services. This is primarily reducing transport time, lower transportation costs, optimization of tariffs, cargo safety and, not least, the preparation of quality personnel potential, which aims to ensure the proper functioning of the entire logistics system.

Relevance of logistics is explained by several factors:

Economic factors as now the main priority of the company is to search of opportunities of reduction of production expenses

and distribution costs for increase in profit of firm and growth of quality, rendering a complex of services to the consumer therefore in the conditions of development of the market relations “calculation+benefit+consumer” conducts the principle to growth of importance of logistics;

Information factors as the informatics connects the market and logistics as a subject, means and a component of logistic processes are information streams;

Technical factor is shown that logistics as a control system, its subjects and objects develop

because of technical achievements in the warehouse economy and the sphere of management that providing decisive success on commodity wounds.

About 70% of all transport by rail in the country. In this regard, the President of the Republic of Kazakhstan Nursultan Nazarbayev set a task to create a transport logistics cluster. Currently, the trust management of JSC National Company “Kazakhstan Temir Zholy” JSC transferred seaport of Aktau, the question of the transfer of a number of major terminals in airports and car terminal complexes.

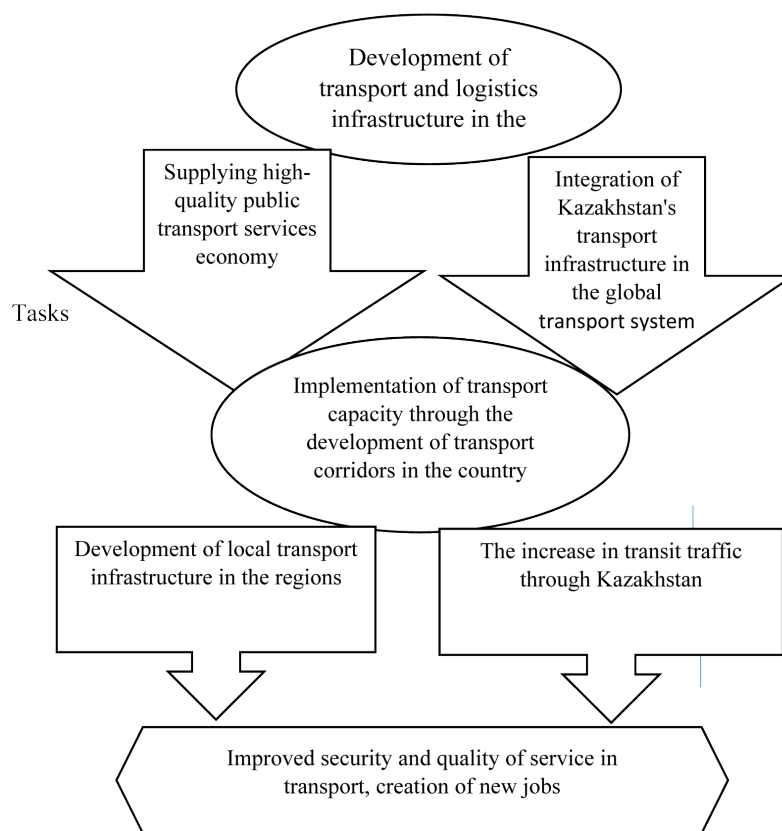


Figure – 1 – Transport and logistics infrastructure

Transport Service Market – one of the most dynamic in the world. Economic growth is accompanied by the rapid growth of the market of transport, forwarding and logistic services. Changes in the economy of Kazakhstan is now inevitable and, above all, the need for urgent modernization and construction of transport and logistics infrastructure. It is not just about the implementation of projects to develop transport and logistics infrastructure, and on the harmonization of development and organization of interaction of various types of transport and

transport users. We need to develop integrated transport corridors and transport hubs.

The level of infrastructure development determines the degree of efficiency of the transport system. Infrastructure development will be carried out in the following areas:

- creation of a global information management system for vehicles;
- Formation of an optimal transport infrastructure with the use of principles of logistics, creation of multimodal transport corridors.

Network terminals and logistic centers providing technological interaction between all modes of transport in the organization and implementation of the transport of passengers and freight based on a modified model of the meridional and latitudinal location on the east -West and North-South. Basic principles:

- Priority in infrastructure development should be to ensure year-round access to all localities and objects of industry and agriculture;

- development of infrastructure should be based on widespread use of the achievements of world science and technology;

- infrastructure planning should be linked to long-term plans of productive forces, the development of human settlements, agriculture and territorial development of Kazakhstan;

- use of infrastructure should be carried out on a commercial basis, with a maximum coverage of costs for its maintenance revenue generated by user fees.

Table-1 – Expected results of development of transport and logistics infrastructure in Kazakhstan

1	The increase in transit traffic doubled	from 18 million tons to 36 million tons
2	The increase in revenues from transit traffic	from 1 billion to 3.1 billion US dollars
3	creation of new jobs	28 thousand people
4	The average effect on GDP growth	will be 1% point

Results and discussion. Worldwide Logistics itself is a very profitable segment. The world market of transport logistics is estimated at 2.7 trillion. US dollars, that is about 7% of global GDP. In developed countries, the share of transport logistics is at the level of 13-14% of GDP. For example, in Ireland the figure is 14.2% in Singapore, 13.9%, Hong Kong, 13.7%, Germany 13.0%, and so on. D. This shows that these countries pay special attention to the development the sector as one of the sources of national income. In Kazakhstan, this figure is approximately 8%.

Outside Kazakhstan the network of transport and logistics complexes – the centers of consolidation and distribution of transit freight traffics and the centers of advance of the Kazakhstan export is also formed. Within the Common economic space, the key project is creation of the united transport and Logistics Company.

Which activity will consist to provide with integrate services based on the principles of “one window”, uniform technology, the quality standards and as a result, in coordination of technological parameters of development of magisterial terminal infrastructure of transport corridors by railway administrations of Kazakhstan, Russia and

Belarus. Transport and logistics complex can become one of drivers of growth of economy. Cumulative effect of a gross value added from implementation of the program of development of transport and logistics system for the period until 2020 will make 15 billion dollars, the average annual effect in a gain of GDP will be at the level of 1%. For this purpose about 5 trillion tenge of the state and private investment will be attracted in infrastructure development.

Conclusion

Creating a logistics system in Kazakhstan using its advantageous geographical position will allow Kazakhstan to create a favorable investment climate, increase the region’s economic growth and to take the place of the international transit hub. Kazakhstan needs to develop a regional transport -logistics business, the formation and functioning mechanisms of international logistics systems, supply chains and, the creation of modern information -telecommunication transport –logistical infrastructure using modern warehouse equipment and advanced logistics technology that can serve the economy of the country.

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