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EGYPT'S TRANSPORT DEVELOPMENT: CURRENT CHALLENGES AND PROSPECTS

ТРАНСПОРТНОЕ РАЗВИТИЕ ЕГИПТА: СОВРЕМЕННЫЕ ВЫЗОВЫ И ПЕРСПЕКТИВЫ

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Abstract: The article is devoted to the analysis of the current state and prospects of development of the Egyptian transport system. It examines the main

modes of transport in the country: road, rail, air and sea, as well as the problems faced by each of the industries.

Among them are congestion, aging infrastructure, lack of investment and environmental problems. The measures taken by the government to modernize the infrastructure, including the development of railways, subways and ports, as well as the introduction of modern technologies and environmentally friendly transport solutions, are described.

Keywords: development of the transport system, congestion, aging infrastructure, lack of investment, modernization of infrastructure, transport solutions.

Аннотация: Статья посвящена анализу текущего состояния и перспектив развития транспортной системы Египта. В ней рассматриваются основные виды транспорта страны: автомобильный, железнодорожный, воздушный и морской, а также проблемы, с которыми сталкивается каждая из отраслей. Среди них — перегруженность дорог, стареющая инфраструктура, недостаток инвестиций и экологические проблемы. Описаны меры, предпринимаемые правительством для модернизации инфраструктуры, включая развитие железных дорог, метрополитенов и портов, а также внедрение современных технологий и экологически чистых транспортных решений.

Ключевые слова: развитие транспортной системы, перегруженность дорог, стареющая инфраструктура, недостаток инвестиций, модернизации инфраструктуры, транспортные решения.

Egypt's transportation system plays a crucial role in the country's economy and social life. It provides connections between regions, supports trade and ensures economic growth. However, there are many challenges that can prevent sustainable development in the future. This article examines the current state of Egypt's transportation infrastructure, the challenges the industry faces, and the prospects for its development.

Egypt's transportation system includes several modes of transport: road, rail, air, and sea. Each of these plays a crucial role in ensuring both domestic and international transportation.

Road transport is the most widely used kind of transportation in Egypt [3]. It transports both goods and passengers. The country transportation system faces several problems, including road congestion, infrastructure quality, environmental pollution. Traffic jams are one of the main problems in big cities such as Cairo. It reduces travel speed. The road system does not always meet safety standards, particularly in rural areas. Many roads and bridges in Egypt need updating and repair. The increasing number of vehicles leads to higher emissions of harmful substances into the atmosphere.

Rail transport is one of the oldest in the country, and today remains the main means of transportation. Among the challenges facing the rail industry are aging infrastructure and rolling stock, high accident rate and safety. Some of the trains are in the poor condition. They need modernization. In recent years, there has been an increase in railway accidents, causing public dissatisfaction and necessitating improvements in safety standards.

Air transport plays an important pole in the countries transportation system. Egypt provides a wide network of international and domestic flights. Although Cairo International Airport is one of the largest in Africa, other Middle Eastern and North African countries are actively developing their airports and airlines, creating competition for Egypt. The sector needs the infrastructure expansion, additional investments in airports and air transport infrastructure.

Sea transport is highly developed in Egypt as the country plays an important role in global maritime trade. The Suez Canal is one of Egypt's main sources of income. The Suez Canal is one of the strategic transport arteries however it is overloaded and needs expansion and modernization as well as some of the ports. Logistics should be improved to meet international standards and provide more efficient servicing to the international clients.

Challenges for Egypt's Transportation System

Although thanks to its strategic position Egypt plays an important role in global trade, the country faces a number of challenges in its transportation sector such as rapid urbanization, lack of funding, environmental issues.; the lack of modern safety technologies arouses safety concerns, as outdated vehicles, and infrastructure increases the risks of accidents and incidents

Prospects for Transportation Development

Egypt is actively working to modernize its transportation system, aiming to increase efficiency in this sector. The strategic directions of transport development are

Modernization and Expansion of Infrastructure

Railway development. In recent years, the Egyptian government has been investing in modernizing the railway network, updating rolling stock, and constructing new lines, including high-speed railways, such as the project connecting Cairo, Alexandria, and other key cities.

Road improvement and metro expansion in the capital and other major cities.

Development of air and sea ports.

Technological Innovations

Smart transportation systems, such as traffic management systems, intelligent transportation systems, and automation, can significantly increase transportation efficiency [2].

Electric and eco-friendly vehicles.

Investment and Public-Private Partnerships. Attracting private investors to transportation projects can help reduce the financial burden on the state budget and accelerate infrastructure development [1].

Financing through international organizations. It is important to attract international loans and grants for implementing large-scale projects.

Environmental sustainability solutions. Transportation development must

consider environmental aspects, including reducing carbon emissions and other pollutants, as well as utilizing renewable energy sources.

Conclusion

Egypt's transport system is undergoing significant changes at the moment. For the development of the country's transport industry as a guarantee of economic development, Egypt needs to modernize its transport infrastructure, use new technologies, and improve safety and environmental sustainability. In this case, Egypt can develop its great potential by ensuring economic growth and an increase in the standard of living of the population.

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