


Development of Digital Technologies in the Transport Infrastructure of Yakutia

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Introduction

This article deals with the digitalization of transport technologies in Yakutia. Transport is a backbone branch of the state, which forms the production and social infrastructure of the regions. Digitalization of roads in Russia today is one of the three most important changes. The authors of the article come to the conclusion that no branch of modern science today can be imagined without the active introduction of digital technologies.





Problem statement

Road and river transport have no alternatives during certain seasons. Aviation is capable of ensuring the mobility of the population and the delivery of goods all year round, with the exception of bad weather, which is of a temporary nature. However, it is in this industry that the greatest number of problems have accumulated today.

Firstly, it is the price unavailability of air tickets for the population.

Secondly, it is the need to introduce innovations in the republic in the development of airport infrastructure. For example, it is proposed to use the technology of freezing runways, which was developed by the Moscow State Technical University. Bauman. The essence of the technology is that it is possible to create ice airfields, which are quickly erected due to the modification of the ice cover by means of special chemical reagents, allowing aircraft to land on the ice strip prepared in this way. "



Findings

The digital platform "Northern Delivery" should:

- firstly, to unite customers and performers (public and private organizations) in need of cargo transportation and having the ability to do so;
- secondly, to enable tracking of goods, online collection of data on the status of transportation, etc.,
- thirdly, to help optimize the routes of cargo transportation and increase the efficiency of information exchange between carriers and consignees.

All these opportunities should help to save money for all participants in the transport and logistics process.



Conclusion

Thus, the widespread digitalization of the entire transport infrastructure is generally a blessing for Russia and in particular for Yakutia. Today, digital transformation is becoming the foundation for moving forward in all areas. And we see how actively Yakutia is introducing digital solutions on its territory and what significant results the republic has already achieved in the field of information technology. This approach will undoubtedly serve for our successful interaction.

For the republic, this is even salvation, since it sees the overcoming of acute transport problems in the region. Through digitalization, it is possible, without much involvement of large material resources, to produce innovative information products to improve the transport complex. This is a unique opportunity for Yakutia to become a leader in the innovative economy.