

DIGITAL TRANSFORMATION OF LOGISTICS

Vensko A. V., student

Scientific supervisor – Ladutska N. F., senior lecturer
Belarusian National Technical University
Minsk, Republic of Belarus

Digital technologies are the basis for the existence of business today. The efficiency of logistics systems is largely related to the technologies, which are used. Modern technologies enable enterprises to implement new logistics solutions.

Digital logistics is the search, storage and transmission of information, digital technologies that allow you to detect and predict needs, optimize routes, directions of material and information flows, reduce the time of existence in supply chains.

One of the most significant issues today is the issue of improving the level of transport customer service. For example, the consumer's desire to know the exact delivery time of his order is a standard that all operators and organizations of the transport industry strive for. If the organization is not ready for this, then it will be "overboard".

The introduction of digital technologies in the logistics sector should be considered in the context of the following three areas: companies, the state and IT developers.

The first direction is digital document management. With the help of digital document management, there is a comprehensive introduction of digital traceability in the industry with the possibility of obtaining information about the movement of goods and services provided in the transport sector. Preparation of paper is 10–15 % of the cost of transportation and it is possible to reduce these costs and delivery times by 20–40 %. The second direction includes the organization of interaction of all participants in the chain, including business and government. In digital logistics, the information systems of enterprises and the state cannot exist separately. The third direction is the optimization of all processes not only within a single company but also across the entire state.

Finally, it's worth saying, that the optimization of the production process will become possible through the introduction of new technology.