## ARTIFICIAL INTELLIGENCE IN SUPPLY CHAINS student Kremez Y. Y. scientific supervisor – senior lecturer Slesaryonok E.V. Belarusian National University of Technology Minsk, Belarus

Artificial intelligence is the ability of a computer to perform tasks usually associated with intelligent beings. As with other digital technologies, the introduction of artificial intelligence, according to experts, contributes to the improvement of the logistics industry and its development.

Artificial intelligence is widespread in transport logistics thanks to the introduction of such advanced technologies as Amazon automated warehouses, Einride autonomous trucks, Zipline unmanned vehicles, Starship "last mile" delivery robots. These types of technologies can potentially speed up the performance of some types of manual work. By combining human intelligence with artificial intelligence, transport and logistics companies can save time, reduce operational costs and eliminate manual errors, and employees can focus more on analytical and complex tasks.

The supply chain has experienced cardinal changes over the past few years. Today, technology is able to make decisions better than a person and provide better business results, which can take logistics to a new level.

The introduction of artificial intelligence into the supply chain has a number of advantages: it provides real-time collection of information from various contractors and suppliers and effective support for critical operations; uses big data sets to implement a reliable procurement strategy and forms strategic response models; organizes warehouse management.

Artificial intelligence also increases the efficiency of supplier deliveries and minimizes the risk of losses in logistics management.

Artificial intelligence helps to properly manage physical assets, and also reduces the damage and losses of these machines. This reduces the cost of maintenance and helps to better manage the production process.

Over the past few years, the Belarusian artificial intelligence market has grown several times. The reason was serious state support. Currently, artificial intelligence and other digital technologies in the Republic of Belarus are used in warehouse logistics for a comprehensive assessment of warehouses and enterprises; voice assistants analyze the receipt of goods to the warehouse and their shipment. Today, Belarusian service companies are more in demand in foreign markets than in domestic ones.

The use of artificial intelligence will eventually lead to the creation of an ecosystem in which various supply chains are connected to each other and allow creating a continuous material and information flow from the manufacturer to the consumer.

Artificial intelligence technology helps to anticipate the future needs of a particular product on the market, which greatly helps the manufacturer to manage production costs and reduce future losses and predicts future demand for specific products.

## References

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