INNOVATIVE WAYS OF CARGO INDICATION IN TRANSPORT LOGISTICS

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From the world practice of managing logistics processes, it is known that operational and unmistakable information about the material flow is the key to efficient and profitable logistics. That is why, today transportation logistics uses many innovative ways to deliver cargo:

1. Radio Frequency Identification (RFID). The technology enables instant detection of goods location using radio frequency tags on packaging. This can enhance the precision of tracking cargo in real time.

2. Temperature Monitoring. Innovative real-time technology contributes to avoiding product damage and delivers goods on time.

3. Self-driving vehicles and drones are employed to deliver goods in places where the use of transport is difficult or impossible.

4. Blockchain. The technology is applied to improve transparency and security in the logistics industry. It provides means of collecting data at all stages of transportation.

5. Internet of Things (IoT) is used to connect packages and vehicles with the Internet, providing maximum information about the state of goods and transport [1].

In total, the use of innovative methods in transport logistics optimizes the transportation process and enhances control. Moreover, the above mentioned technologies not only sustain logistics cost saving and reduction of the delivery time, but also improve the quality and efficiency of cargo delivery.

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Innovative methods of cargo indication are used in various countries of the world. The USA is the leading country in the use of RFID and IoT technologies in transport logistics. Various companies in the US are using these technologies to optimize their logistics operations and improve delivery efficiency. China is one of the leaders in the integration of blockchain in transport logistics. For example, Alibaba Group Holding Limited, a multinational technology company also known as Alibaba, which specializes in technology, Internet, e-commerce and retail, uses blockchain technology to provide a more transparent supply chain to have more information about placement of goods. Germany is the country where IoT technologies and drones are often used for fast and efficient delivery of goods [2].

To conclude, only a few examples of countries, that are using innovative ways to indicate cargo in logistics, have been referred to although their number is growing rapidly around the world. This is due to the fact that innovative ways of cargo indication help improve, simplify and speed up the delivery of goods from their production to destination with less money spending.

References

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