

Секція
«ЛОГІСТИЧНІ ТЕХНОЛОГІЇ НА ПІДПРИЄМСТВАХ
ТРАНСПОРТУ І ПРОМИСЛОВОСТІ»
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CURRENT TRENDS OF EFFICIENT LOGISTICS DEVELOPMENT

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The modern market of transport operations and warehousing services imposes strict conditions on the companies presented in this industry. The constant economic pressure in times of crisis and competition caused by growing consumer demand for improved quality of services pose a serious challenge even to large international companies leading in the transportation sector. Only enterprises characterized by effective strategic management and compliant with modern global trends in the industry can maintain their market positions and reach a new level of development.

One of the crucial trends in the global market of logistics services involves the digitalization of the industry. Even though digitalization is not a new tendency in logistics, the Covid-19 pandemic has significantly accelerated it.

Transport processes are becoming increasingly complex and requirements for the quality of service, primarily for the speed of service delivery, keep growing. Full control over the implementation of the supply chain can only be ensured if modern IT technologies excluding the human factor from the processes are introduced. The Internet of Things, innovation, and Artificial Intelligence have enabled the creation of fully automated logistics routes which may become a reality in the short term.

Robotics and autonomous delivery are the primary trends that run parallel with digitalization. The Covid-19 pandemic with the new normal and social distancing also served as a powerful stimulus for the development of these fields. Robotization has already been implemented in some logistics operations by the leading tech giants in the industry. In particular, warehouse robots are used in Amazon and Alibaba. Autonomous delivery as a branch of robotics as well as the whole sector of unmanned vehicles is still in a developmental state. However, the problem of introducing unmanned delivery services is caused not only by the lack of widespread autonomous vehicles but also by the fact that society, businesses, and the state are not ready for a new level of development since there is no developed infrastructure, legal support for autonomous

delivery, specialists, and so forth.

One of the critical directions of logistics development is attention to green and eco-friendly deliveries. Protecting the environment and reducing the anthropogenic impact on the environment has already become a necessary task for humanity.

Based on the trends mentioned above, it can be concluded that fully autonomous logistics networks marked by the integration into existing transport infrastructure and the consideration of environmental impacts can be developed in the nearest future. The elimination of the unpredictable human factor will make logistics accurate, fast, and error-free.

Therefore, even in the post-crisis times, a number of trends that emerged during the pandemic will continue to grow, and these trends will have a significant impact on the logistics industry around the world.

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**ОСОБЛИВОСТІ ЛОГІСТИЧНОГО ПІДХІДУ У СУЧАСНИХ
УМОВАХ ВПЛИВУ КОРОНОВІРУСНОЇ ПАНДЕМІЇ**

**FEATURES OF THE LOGISTICS APPROACH IN MODERN
CONDITIONS OF THE INFLUENCE OF CORONOLY PANDEMIC**

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Ефективність функціонування транспортної інфраструктури залежить від узгодженості дій транспортних систем різного рівня , а також від узгодження інтересів клієнтури і власників транспортних засобів. Але узгодження інтересів клієнтури і власників засобів транспорту з метою досягнення загального ефекту можливо, у свою чергу, лише при об'єднанні транспортних систем різних рівнів складності в особливо великі.

Широке використання логістики у господарській діяльності у наш час пояснюється необхідністю скорочення тимчасових інтервалів між