

## REDUCING TRUCK PARKING TIMES WITHIN THE AILN MIOVENI LOGISTICS PLATFORM

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**Rezumat.** *Lucrarea analizează timpii de staționare a camioanelor, evidențiind impactul acestora asupra eficienței logistice și a procesului de producție. În contextul industriei auto, gestionarea optimă a fluxurilor de aprovizionare este esențială pentru evitarea întreruperilor operaționale. Analiza identifică principalele cauze ale întârzierilor, precum planificarea ineficientă a transporturilor, capacitatea limitată de descărcare și durata ridicată a proceselor de recepție. Pe baza rezultatelor obținute, sunt propuse măsuri de optimizare, inclusiv îmbunătățirea planificării, digitalizarea activităților logistice și utilizarea eficientă a resurselor. Implementarea acestor soluții contribuie la reducerea timpilor de staționare și la creșterea performanței operaționale.*

**Abstract.** *The paper analyzes truck downtime, highlighting their impact on logistics efficiency and the production process. In the context of the automotive industry, optimal management of supply flows is essential to avoid operational disruptions. The analysis identifies the main causes of delays, such as inefficient transport planning, limited unloading capacity and long reception processes. Based on the results obtained, optimization measures are proposed, including improved planning, digitalization of logistics activities and efficient use of resources. The implementation of these solutions contributes to reducing downtime and increasing operational performance.*

**Keywords:** Logistics, Downtime, Optimization, Production, Efficiency

### 1. Introduction

With the development of logistics activities and the increase in volumes, the number of trucks coming and going and the management needs of a logistics platform, the need to manage truck parking times when unloading or loading goods arose [9].

The management of parking times is one of the major challenges of a logistics chain, due to the blockage of reception and shipping flows and high costs. Therefore, in order to find the causes that lead to truck parking, it is necessary to carry out actions and analyzes on the organization of the activities carried out, to identify any malfunctions and to find solutions to eliminate them.

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