PROBLEMS AND SOLUTIONS IN WAREHOUSE LOGISTICS

Raximov Raxmatullo Rafiqjon o‘g‘li
Andijan State Technical Institute
Assistant Department of Transport Logistics

Annotation. Warehouse logistics requires you to be able to control proper management and warehouse operations in order to organize all the processes that occur in the warehouse as correctly and efficiently as possible. While some of these processes have an automated appearance, each warehouse is monitored for errors and problems in logistical processes. This article is aimed at identifying the main problems in the organization of warehouse logistics and finding their solutions.

Keywords: automation, inventory, logistics, logistics process, warehouse, management, digitization.

Annotatsiya. Ombor logistikasi omborda sodir bo'ladigan barcha jarayonlarni iloji boricha to'g'ri va samarali tashkil qilish uchun to'g'ri boshqaruv va ombor operatsiyalarini nazorat qilishni talab qiladi. Ushbu jarayonlarning ba'zilari avtomatlashtirilgan ko'rinishga ega bo'lsa-da, har bir ombor logistika jarayonlaridagi xatolar va muammolar uchun nazorat qilinadi. Ushbu maqola ombor logistikasini tashkil etishdagi asosiy muammolarni aniqlash va ularning echimlarini topishga qaratilgan.

Kalit so'zlar: avtomatlashtirish, inventarizatsiya, logistika, logistika jarayoni, ombor, boshqaruv, raqamlashtirish.

Аннотация. Складская логистика требует от вас умения контролировать надлежащее управление и складские операции, чтобы максимально корректно и эффективно организовать все процессы, происходящие на складе. Хотя некоторые из этих процессов автоматизированы, каждый склад отслеживается на предмет ошибок и проблем в логистических процессах. Данная статья направлена на выявление основных проблем в организации складской логистики и поиск путей их решения.

Ключевые слова: автоматизация, инвентаризация, логистика, логистический процесс, склад, управление, цифровизация.

Access; warehouse services are an integral part of each logistics system, they play an important role in providing customer service with a high minimum and optimal cost. Warehouse activity is an intermediary between the manufacturer and the consumer, and warehouse is a logistical function.

The firm stores and provides information to the component of the warehouse's logistics chain, such as raw materials, spare parts, unfinished and finished products, at and between the point of origin and consumption.control the status, status and location of stored objects. Simply put, warehouse, which is the temporary storage

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of goods before they are used. Warehouse management involves organizing, managing and maintaining all the processes that take place in the warehouse in order to perform them as smoothly and efficiently as possible.

Methodology. As a result of this research, it became known that as a result of the organization of warehouses, the demand for warehouses increases, the quality level of storage of products increases.

The problems of maintaining inventory facilities the organization and implementation of the logistics process in the warehouse is a process aimed at managing and controlling the processing of goods, managing the relevant services, which allows the warehouse to work as efficiently as possible.[1]

The enterprise in question does not have the training of qualified personnel and the integration of Personnel, which can delay the entire chain, become ineffective and lead to costs due to processing. Maintaining correct inventory records is one of the most difficult problems in managing warehouse systems. In general, the most common problem associated with incorrect assessment of reserves is human error. Initial accounting, regular calculations, or daily sampling errors can lead to significant discrepancies in inventory management system accounts compared to the inventory at hand. Other problems may be related to time factors, while other problems may be inadequate training in the inventory management system. When workers face a conflict problem in the system, they can bypass it in favor of facilitating delivery to the customer [3]. In the period from 6 months to a year, these errors can accumulate and leave mysterious gaps in the inventory.[2]

The location of the warehouse can assist or damage warehouse operations. The effective use of space is the most important factor in the success of storage in 2022, the principle is important-to do more with less. Insufficient storage space is also common problems in warehouses with poor procedures for inefficient use of existing space.

Problems with complexity often arise when organizing the assembly of warehouses, but this problem is often the result of errors in the reception or laying of tasks. Collection is one of the areas of warehouse operations that can easily disrupt the inventory management system, since the tasks and decisions taken every day are carried out very quickly in order to properly serve the client. Many different errors can occur during selection, for example, indicating a large amount of the item, but not being able to use it, since it is already included in the list of back orders.

Result and discussion; changing demand creates serious problems for warehouse managers. The decline in sales due to the recent global financial crisis

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has led to serious cost problems in warehouses due to an increase in the amount of reserves at some level, while in others, suppliers of personal protective equipment suddenly had difficulty fulfilling their obligations. While this did not affect all networks equally, the issue highlights the difficulty of managing the change in demand due to external forces that are not under warehouse control.[3]

Observed in the processes of storage of warehouse commodity and material goods problems:

1. lack of qualified personnel
2. keeping correct inventory records
3. failure to use storage space wisely

Identified troubleshooting proposals;

Employees of the logistics department and The Associated personnel must undergo constant training in warehouse management, and their key indicators (CPI) must reflect and evaluate their activities throughout the supply chain. This problem can be solved using several strategies. These include the following-intensive training of each warehouse worker regardless of the level of activity on the floor helps to ensure the accuracy of the system. Encourage in-depth knowledge of how the system works so that employees can help each other with information when problems arise during the day.[4]

Since supply chains play an important role in working with customers, it is recommended to take some measures to improve the performance and administration of warehouses:

1. The development of a supplier execution program improves the relationship between the company and its suppliers in terms of product processing and transportation times;
2. Installing an email notification program simplifies warehouse operations, workforce planning, and customer satisfaction;
3. Continuing inventory cycles instead of checking inventory regularly will make it easier for us to keep track of our inventory and help prevent interruptions and interruptions in operations;
4. The use of cross-docking technology allows us to move goods directly from the supplier's factory to the customer without the need for storage, which helps to optimize the time;
5. The introduction of a dynamic slot allows you to constantly change the location of goods in the warehouse in accordance with demand. It is also necessary to choose a simple inventory system that will help create a working system that meets the specific needs of the enterprise and is understandable to all employees. During physical inventory, it is necessary to observe the inconsistency of inventory.

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The technology used in warehouse inventory management is critical to success, as the value of an automated system is as high as the quality of the system itself. RF and voice systems are becoming more common, but some small operations still depend on the paper system. Regardless of which type is used, the most important thing is to ensure that the system is fully compatible, even when situations arise that make compatibility seem intuitive. When exceptions such as an object proposal that does not exist in the system, has been replaced, or is not in place, these exceptions must be noted to ensure that the inventory is fully and accurately recorded. More complex inventory classifications typically require RF or voice systems that can provide data instantaneously and accurately to reduce errors and improve product delivery;

In order to effectively manage the warehouse, the procedure must correspond to a specific operation and the performance of workflows in the logistics system. Each industry can independently solve its needs regarding the availability of the product in the warehouse system: − the most popular items for quick picking and shipping should be easily accessible. These items must be stored in the front of the object so that forklifts do not have to drive to the back of the object to reach the objects;



Figure 1. Establishment of a warehouse

Depending on the type of industry, it may be necessary to adjust the availability according to pallets, cartons, individual items or even lot numbers;

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The optimal layout of the warehouse takes into account both the area of the premises and the vertical area available for use. In addition to the maximum use of space, a good layout ensures the maximum use of equipment and labor, access to all things, the safety of all things and the safety of employees. The use of forklifts allows a configuration that maximizes the overall horizontal and vertical space;

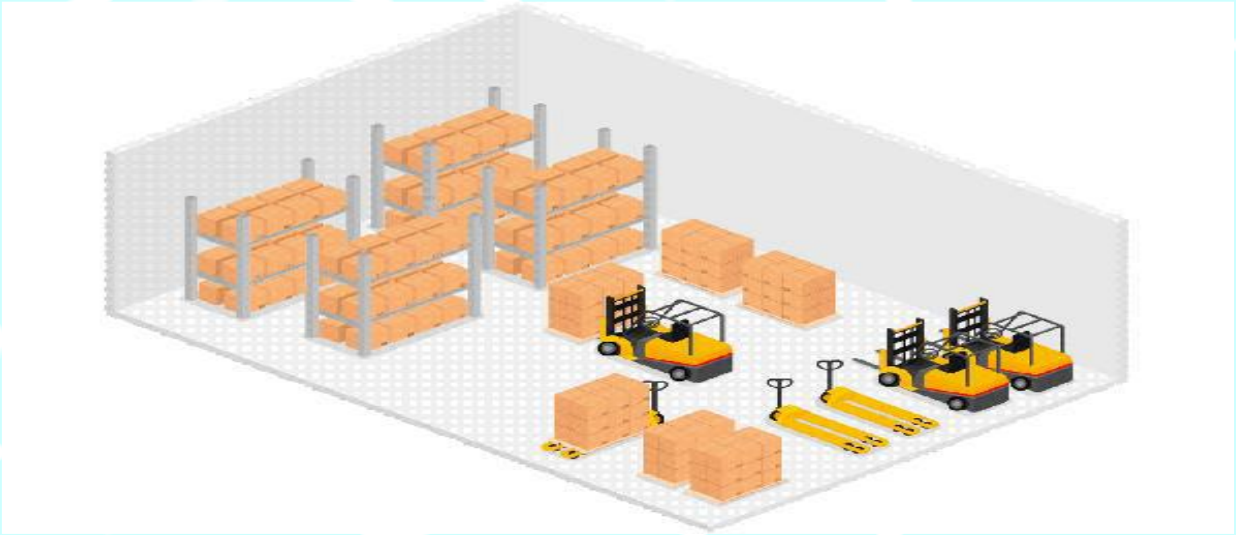


Figure 2. Vertical use of space

additional solutions include providing easy access to our best-selling stocks and simplifying inventory processes.[5]

Conclusion; thus, the warehouse is an independent logistics system, the most important element of the supply chain and a link in modern network logistics structures.

Properly organized logistics processes in the warehouse must comply with the characteristics and necessary parameters for the implementation of warehouse operations, ensure the storage of reserves, cost savings and the optimal level of logistics service. The level of achievement of organizational goals, the effective operation of the warehouse, the success of the enterprises that make up these structures and the competitiveness of the chain largely depend on the effectiveness of warehouse operations and timely solution of logistics problems in the warehouse (organizational). and staff, coordination and communication, topological, technical and technological, software and information).

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