

Integration of Virtual Reality in Intralogistics

The integration of new technologies is a topic that has become very relevant for years, however, there are some applications that have achieved greater popularity, such as the integration of virtual reality in intralogistics, which is revolutionizing traditional processes.



Virtual reality has made it possible to optimize the storage, transportation and distribution procedures of goods, thus contributing to improving the efficiency and productivity of organizations. In addition, it provides great advantages during the design and development of solutions, giving added value with an immersive, attractive and real experience.

Stay tuned, we will analyze the advances of this technology.



According to a study by Meteor Space, **96% of logistics industry leaders consider that innovation is essential for the growth** of any sector of activity.

What is Virtual Reality and how does it benefit the intralogistics sector?

As we well know, Intralogistics refers to the set of activities that take place within a company's facilities for the management of materials and products. It is a fundamental aspect of the supply chain, as it is responsible for ensuring that items are available at the right time and place, minimizing costs and maximizing efficiency.

Virtual reality is a technology that creates a virtually simulated environment, in which users can interact and experience real-life situations virtually. The integration of this technology in intralogistics has made it possible to accurately simulate and visualize logistics processes, which facilitates planning and making better decisions.

According to the AMVO, there are factors that can be analyzed through Virtual Reality within a Warehouse or Distribution Center.

- Customizing software with a model that accurately represents actual or planned installations.
- Validate software integrations as well as computer hardware and network compatibility and requirements according to the operation.
- Execute and develop said estimates of maximum load productivity indices.
- Evaluate and prevent bottlenecks or failures that directly impact and affect the flow of the operation.
- Manage alternative strategies with lower costs thanks to a simulation.

Advantages that Virtual Reality offers to Intralogistics.

1. Efficiency and improvements: Among the main advantages of the integration of Virtual Reality in Intralogistics is the possibility of carrying out simulations that allow identifying and correcting possible failures or inefficiencies in the processes before they occur in reality. This reduces risks and minimizes costs associated with errors and operational problems.

2. Quality: This technology provides the user with high quality images, offering the sensation of being in a different world or within the required operations.

3. Practice and continuous improvement: Thanks to this technology it is easy to see any changes that need to be executed. With virtual reality, specialists and operators can simulate their operations and correct certain failures in their processes.

4. Training: In addition, Virtual Reality also facilitates the training and coaching of employees in operational tasks. Workers can learn and practice procedures in a virtual environment, allowing them to acquire skills and knowledge without endangering the integrity of people or products.

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