

Renova's Automated Warehouse Revolution



A Portuguese brand in the tissue paper products segment, has begun on a transformative journey to enhance its operational efficiency and storage capabilities. Partnering with Körber Supply Chain, Renova has initiated the construction of a cutting-edge fully automated warehouse in Torres Novas, Portugal.

Anticipating impact on supply chain operations

“Renova has been a pioneer in the tissue paper industry, constantly striving for innovation and global expansion. With a commitment to sustainability and delivering exceptional products worldwide, Renova recognized the need to optimize its warehouse operations to increase storage capacity and to optimize operations processes.”, says Marina Vitorino, Production Director at Renova.

Partnership for Success – for 31 Years

Renova's collaboration with Körber dates to 1991 when they first engaged with Körber for automation solutions in intralogistics and tissue manufacturing technologies. Leveraging Körber's expertise and comprehensive ecosystem for the tissue industry, Renova established a strong foundation for their operational excellence. The long-term partnership

and trust between the two entities solidified Renova's decision to entrust Körber with the implementation of their new fully automated warehouse.

At a glance

Project goal

- Reducing Ecological footprint
- Flexibility and quick customer response
- Optimizing process efficiency
- Increase productivity
- Adopting digital transformation
- Reduce operation and maintenance costs

Solution

- High bay: 46 Height
- Storage Capacity (Pallets): 27 360 pallets
- Capability to manage a peak flow of 143 IN / 222 OUT
- 6 Stacker Cranes (Double Deep with two handling devices)
- 7 Lifts
- 1 Shuttle Car
- 34 RGV's

Features and benefits

Increased productivity and throughput: The automated warehouse will streamline storage and retrieval processes, leading to higher productivity levels.



The main objective is to enhance finished goods storage capacity and operational performance through the implementation of a fully automated warehouse (ASRS) for pallets. The new warehouse will seamlessly integrate with existing operational areas, including production units, manual warehouses, and dispatch bays. Additionally, upgrades to existing tissue reel automated warehousing and transport systems will be undertaken to accommodate the increased production activities.

Key Features of Renova's Automated Warehouse:

The fully automated warehouse features state-of-the-art technology, including high-speed monorail systems connecting various operational areas. Körber's Warehouse Control System (WCS) ensure seamless integration and synchronization of warehouse operations.

Enhanced pallet handling systems optimize storage capacity and facilitate efficient product retrieval and dispatch processes.

Emphasis is placed on system reliability, redundancy, and maintainability to ensure uninterrupted operations.

Strategic Rationale:

Renova's decision to invest in a fully automated warehouse aligns with its long-term sustainability objectives and commitment to operational excellence. By leveraging Körber's expertise and innovative solutions, Renova aims to achieve the following strategic goals:

- Improve operational efficiency and productivity.
- Enhance storage capacity to accommodate growing production demands.
- Ensure seamless integration with existing operational processes.
- Maintain high standards of product quality and customer service.

Enhanced inventory management:

Real-time visibility and control over inventory will enable Renova to optimize stock levels and reduce carrying costs.

Improved order fulfillment: Faster and more accurate order processing will enhance customer satisfaction and loyalty.

Sustainable operations: By optimizing energy consumption and reducing land occupation, Renova is reinforcing its commitment to environmental stewardship.

Renova's collaboration with Körber Supply Chain represents a significant milestone in their journey towards operational excellence and sustainability.

The implementation of a fully automated warehouse underscores Renova's commitment to innovation, efficiency, and customer satisfaction. As Renova continues to expand its global footprint, the automated warehouse will serve as a cornerstone of their supply chain infrastructure, enabling them to meet the evolving needs of customers worldwide.

“The internationalization of our activity and the presence of the Renova brand in foreign markets forces us to streamline and improve the competitiveness of our operations, making them faster, more robust, and more reliable. Renova chose Körber to increase finished product storage capacity and operational performance with the installation of a fully automated pallet warehouse (ASRS). We knew that Körber's experience and know-how in projects of this size would provide us with quality, solutions, and service”, explains Luís Saramago, Marketing Director at Renova.