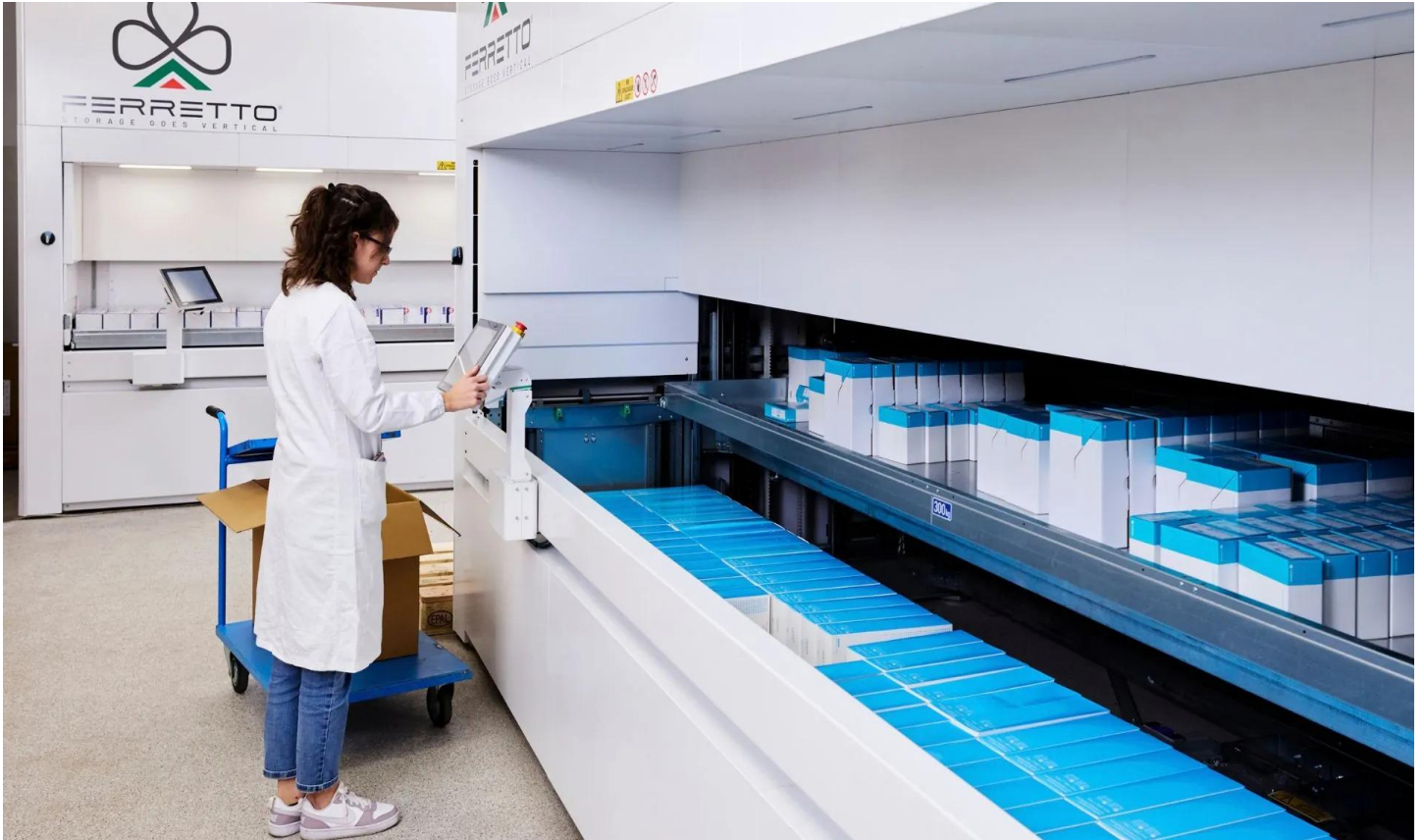




DEENOVA: VERTICAL AUTOMATION

Deenova: vertical automation for medical device management

To automate medical device storage and picking, Deenova integrated 3 Vertimag Vertical Lift Modules with Ergo-Tech® bays and 2 Ferretto Eurot vertical carousels into its logistics operations. The solution enabled Deenova to consolidate two previously separate warehouses into a single area, integrate warehouse activities with Deenova's ORBIT system, and reduce operator time spent preparing replenishment orders by approximately 30%.

CUSTOMER

Deenova

WHERE

Gragnano Trebbiense, Piacenza

SOLUTIONS

Vertical lift module Vertimag
Vertical carousel Eurot
Warehouse Management System



Project overview Customer: Deenova Industry: Healthcare, healthcare technology and medical devices Application: Medical device storage and picking Location: Gragnano Trebbiense, Piacenza, Italy Solution: 3 Vertimag + 2 Eurot Vertimag bay: Ergo-Tech® Software / integration: Integration with Deenova ORBIT References managed by the warehouse: 517 References stored in Vertimag: 431 Result: Approximately 30% less operator time for replenishment preparation

What materials are managed? The installation is used for storing and picking low-cost medical devices for replenishment processes. The warehouse manages 517 references in total. Of these, 431 are stored in the three Vertimag units: Vertimag 1: 128; Vertimag 2: 131; Vertimag 3: 172. What Vertimag configuration was installed? Deenova uses 3 Vertimag Vertical Lift Modules with Ergo-Tech® bays. Machines: 3 | Total trays: 63 | Tray dimensions: 840 × 4,250 mm | Project storage capacity: up to 211.18 m³ | Footprint: 41.36 m² | Bay: Ergo-Tech® Vertical storage concentrates inventory while delivering requested items directly to the operator workstation, creating a goods-to-person workflow that reduces walking during picking.



Why were 2 Eurot units also installed? The configuration also includes 2 Eurot vertical carousels as complementary systems for dynamic material handling. Vertimag and Eurot are part of a single warehouse automation architecture designed around the materials and processes to be managed. How does integration with ORBIT work? A central element of the project is the integration of warehouse automation with ORBIT, Deenova's software for managing clinical and logistics processes. Operationally, a replenishment request is generated; ORBIT sends it to the warehouse system; the operator views the requests and starts preparation; the automated system presents the required items; once completed, fulfillment is recorded and communicated through ORBIT to the other IT components involved. Physical storage automation therefore becomes part of the digital management and traceability process.

What logistics problem was solved? Before Ferretto's solutions were introduced, part of the process was already digital, but medical devices were still picked manually from shelving. Operators had to move between different warehouse areas, while activities were split between two separate and distant warehouses. The project therefore needed to automate picking, reduce operator travel, optimize space and integrate the warehouse with Deenova's existing traceability system. What results did Deenova achieve? $\approx 30\%$ less operator time for replenishment preparation. 431 references managed in the three Vertimag units out of 517 total. Two warehouses consolidated into one area. Less walking during picking because materials are delivered to the workstation. Integrated and traceable flows: ORBIT connects the replenishment request, physical picking activity and transaction recording.

