

Case Study

# Security meets Efficiency



**kardex**



# Case at a glance

## **Safety and performance hand in hand**

Serbia's latest state-of-the-art, high-bay warehouse is located in Belgrade. It is operated by the Swiss generics manufacturer, PharmaSwiss. The facility was planned and constructed by Kardex Mlog in accordance with the strict standards of the pharmaceutical industry's GxP guidelines. This high-performance system proves that when properly planned, safety and high performance are perfectly compatible.

# Zero errors in pharma logistics

## Customer and task

PharmaSwiss Belgrade is part of the Canadian Valeant Group and has been active in Serbia since 2001. The Belgrade location is one of Valeant Group's most important distribution centers for generic drugs. By 2010, following five years of significant sales growth, the site's packaging and storage capacities had reached its limits.

In early 2011, Valeant Group released a tender for a company to plan and construct a new high-bay warehouse. Kardex Mlog submitted a comprehensive and customized concept for the project and was awarded the contract. The customer was heavily involved in the detailed planning from an early stage.

## Solution

Thanks to his meticulous preparation and efficient project management by the Serbian-speaking project leader Edis Zjajo, commissioning took place just 12 months after the groundbreaking ceremony.

The result is a 24-meter tall, high-bay warehouse with 4,840 pallet storage spaces with minimum footprint. The fully automated logistics facility offers maximum safety in accordance with GxP guidelines. Incorrect storage or retrieval operations are ruled out technically by the validated software. The double-deep operation is handled by two stacker cranes of type Kardex MSingle, and these enable up to 54 double cycles per hour.

The conveying system with its 70 drives automatically connects the packaging, storage and picking areas. Material flow and warehouse management computers are connected to the the Valeant Group's ERP via Navision.

4.840  
**pallet  
storage  
spaces**

Complies with  
**GxP  
guidelines**

**54 double  
cycles  
per hour**



## Scope of delivery



2 stacker cranes of type Kardex MSingle



Conveying technology with 70 drives



Kardex Control Center, Kardex WMS and Kardex MFlow