

2025

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# BORY HOSPITAL A.S.

Case study on the use of the WMS and ILS systems

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## BORY HOSPITAL A.S.

Bory Hospital is a newly established, state-of-the-art hospital that offers innovative technological solutions and a unique approach to patient care

- Location: Bratislava
- Function: The most modern hospital in Slovakia, utilizing innovative approaches to patient care
- Capacity: 405 beds
- Number of employees: 1,400



From the very beginning, this next-generation hospital sought to provide the highest quality of care not only for patients but also for healthcare staff

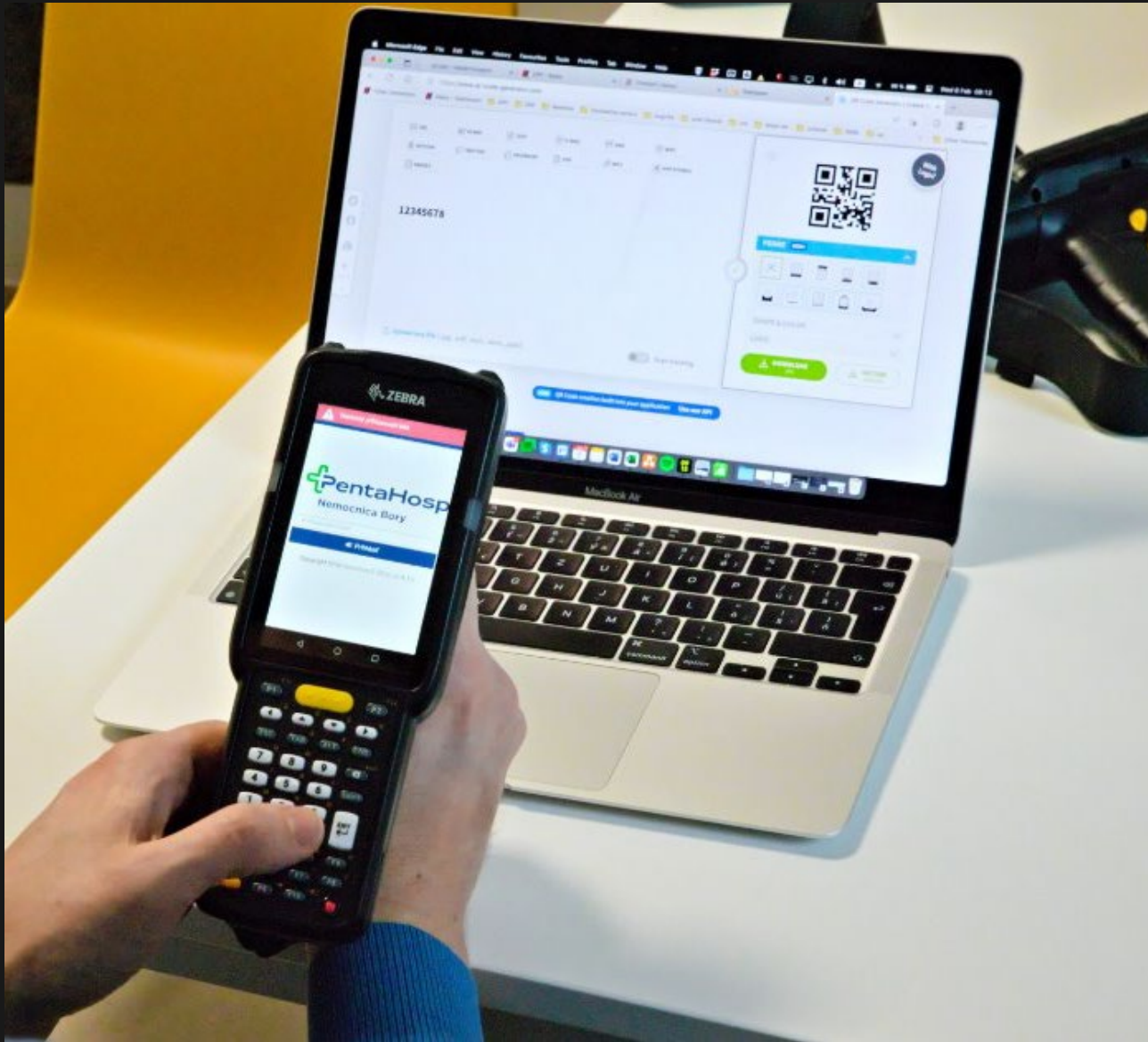
To ensure efficiency and minimize errors, they wanted to digitize all processes throughout the hospital

Among other things, it was important to ensure flawless warehouse operations and clear navigation so that material transport requirements were met and delivered to the right place on time and without errors



## REQUIREMENTS

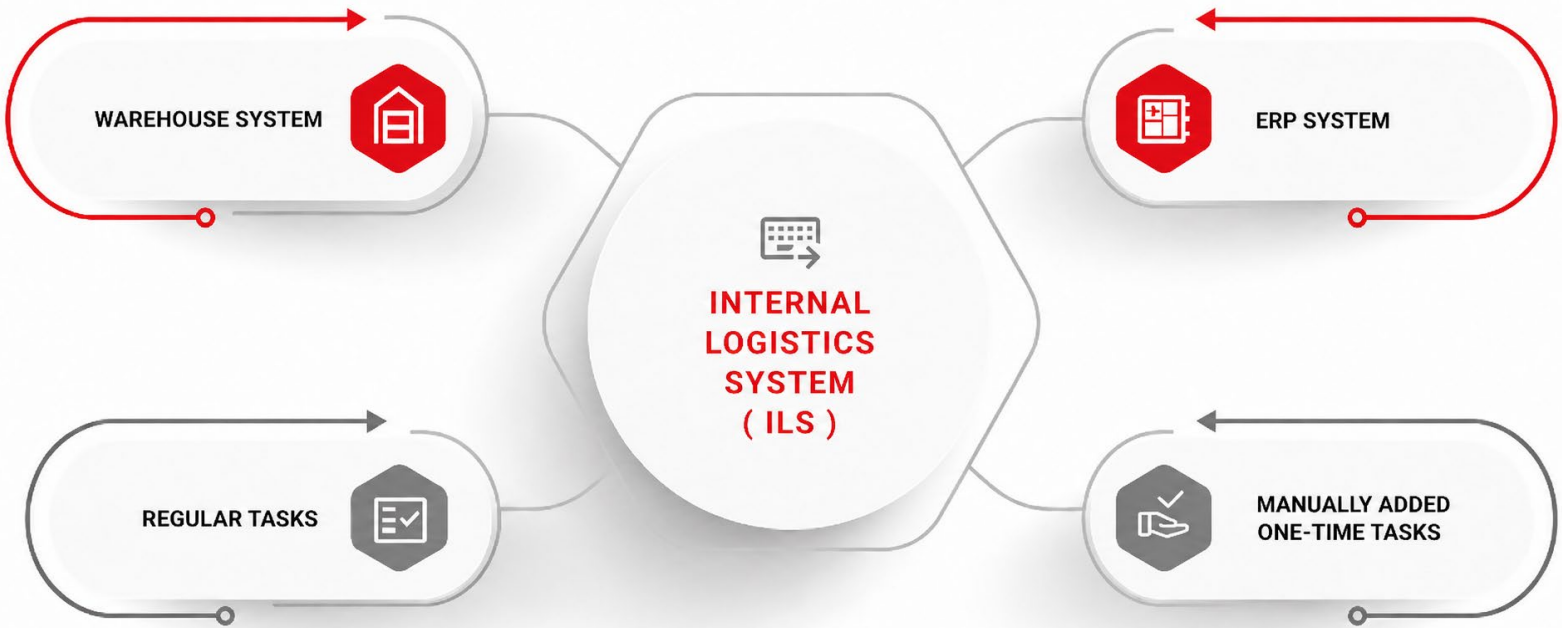
- Management of warehouse operations based on electronic orders placed in the internal web store by individual departments
- Collection of transport requests from multiple systems and real-time overview of their status (NIS, WMS, etc.)
- Management and optimization of internal hospital logistics based on a schedule
- Tracking and confirmation of correct picking and receipt of goods/shipments



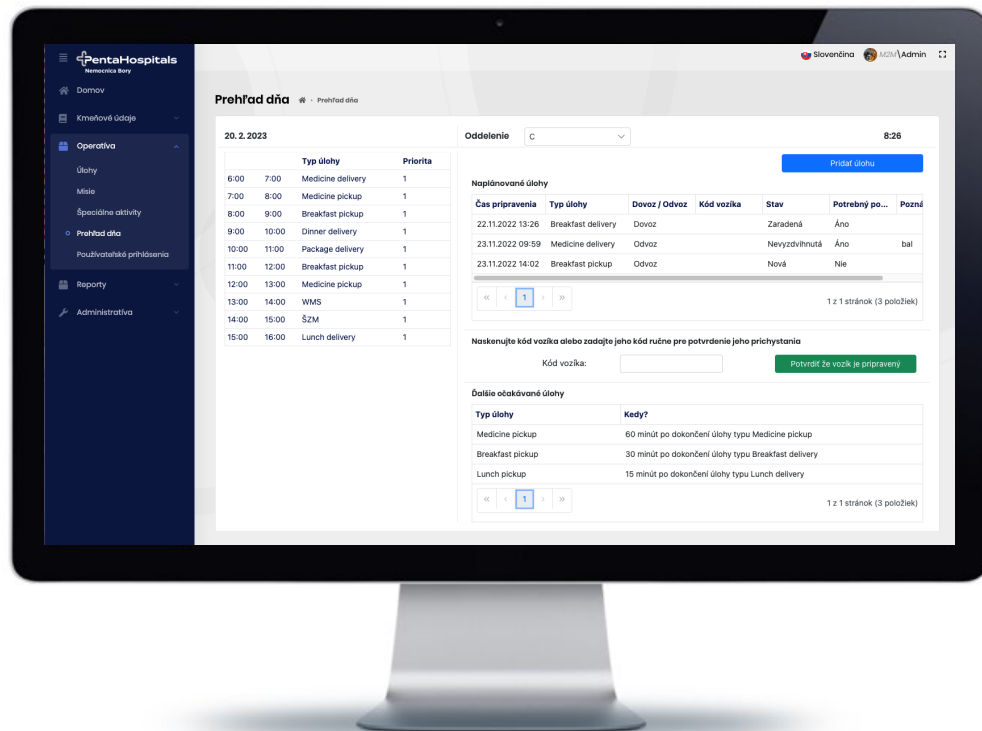
## OUR SOLUTION

The logistics and warehouse system for the next-generation hospital consists of two systems that we developed to meet the customer's needs, drawing on our many years of experience in the field of Industry 4.0.

The goal was to create an innovative integrated system that would significantly streamline logistics processes in the pilot project for the next-generation Bory Hospital. The system was custom-tailored specifically to the hospital's needs

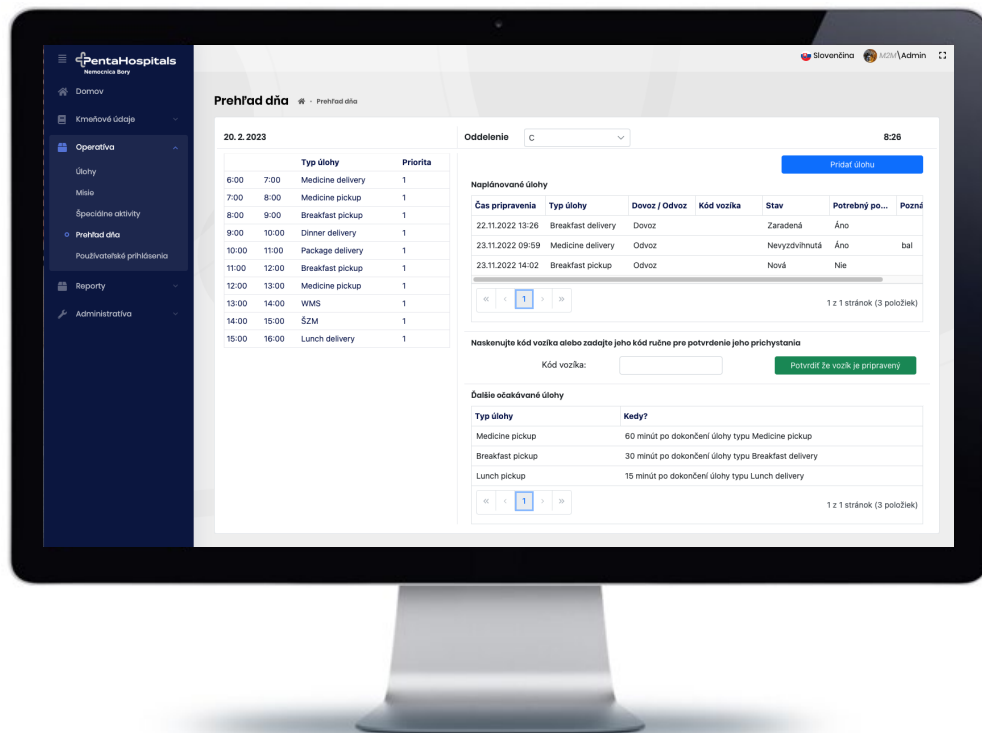


**INTERNAL LOGISTICS  
SYSTEM (ILS) –  
AGGREGATION OF  
TRANSPORT REQUESTS**



## BENEFITS OF THE SOLUTION

- Placement of goods based on turnover
- Efficient use of warehouse space
- Operational flexibility
- KPI-based compensation
- Reduction of inventory
- Operational management of the transport of goods, products, or other commodities



## BENEFITS OF THE SOLUTION

- Clear navigation for logistics staff
- Real-time overview of the status of logistics tasks
- Delivery and pickup according to a scheduled timetable within time windows
- Aggregation of transport requests for carts and packages from all applications
- Management of internal logistics within the hospital
- Unique shipment identification and the ability to confirm material handover with a signature directly on the device



## WAREHOUSE SYSTEM

- Comprehensive tracking of warehouse locations and movements of stored materials
- Real-time inventory tracking and electronic picking lists
- The system allows you to place picked goods into boxes, label them, and automatically schedule shipping through the logistics module of the system
- Data Matrix code labeling, with the ability to retrieve product information via a mobile app (electronic delivery note)

## LOGISTICS SYSTEM

- Management of the transport of specialized medical supplies, medications, meals, waste collection, and other commodities
- Route optimization and clear navigation for logistics personnel
- Real-time overview of the status of logistics tasks
- Delivery and collection according to a schedule within time windows
- Aggregation of all requests from applications used within the hospital



## RESULTS

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- Employee efficiency has increased, allowing them to devote 20% of their time to other tasks we can assign them
- A 20% reduction in the movement of warehouse staff and logistics personnel
- Process automation has reduced the administrative and communication workload on staff by 70%
- Logistics staff training time has been reduced by 60% (from the original 3 weeks to approximately 1 week)
- 100% visibility of all tasks throughout the day for every logistics staff member
- Urgent requests are handled immediately, without complex communication and with minimal disruption to process flow



## FUTURE PLANS

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The development of a system tailored to the needs of hospitals is yet another healthcare solution offered by M2M Solutions, which has launched several products in this field. In the future, the system is expected to be deployed across the Svet zdravia hospital network

The system is multilingual, enabling its implementation in other Slovak and international hospitals and healthcare facilities.

The system is sufficiently versatile to be fully usable in both private and public hospitals



BORY HOSPITAL A.S.

THE MOST MODERN HOSPITAL IN SLOVAKIA

