

ADVANCED ROBOTICS

Integration of cutting-edge robotics and artificial intelligence technologies for warehouse and factory logistics operations.



PARTNER IN SUCCESS

NETvisor

Founded in 1998, NETvisor is a company specializing in the implementation of high value-added IT and communication projects. Its team of highly skilled experts includes electrical engineers, IT engineers and software mathematicians. NETvisor is a system integrator focused on designing, building and supporting IT and communication infrastructures as well as IoT service systems.

The automation and robotization of intralogistics processes in modern factories, logistics centers and warehouses can only be successfully implemented on a stable IT and communication infrastructure. For Advanced Robotics' intralogistics robotization projects, NETvisor provides the infrastructure that establishes and maintains the connection between the robots, automation solutions and the operating and monitoring systems.

SOLID FINANCIAL AND PROFESSIONAL FOUNDATIONS

AA[®]

High Creditworthy
Bronze

PÉNZÜGYILEG STABIL
VÁLLALKOZÁS A
DUN & BRADSTREET
MINŐSÍTÉSE ALAPJÁN



ISO 9001

QUALITY
MANAGEMENT



ISO 27001

INFORMATION
SECURITY
MANAGEMENT

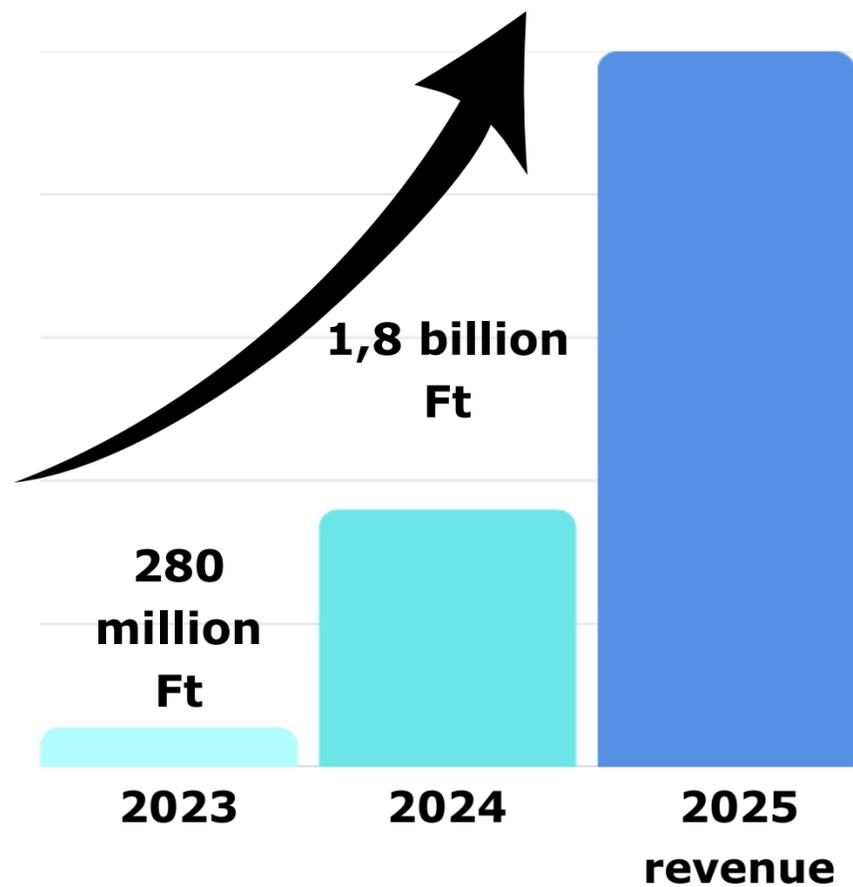


ADVANCED ROBOTICS IN NUMBERS

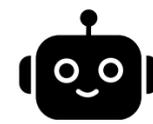
Revenue is growing dynamically



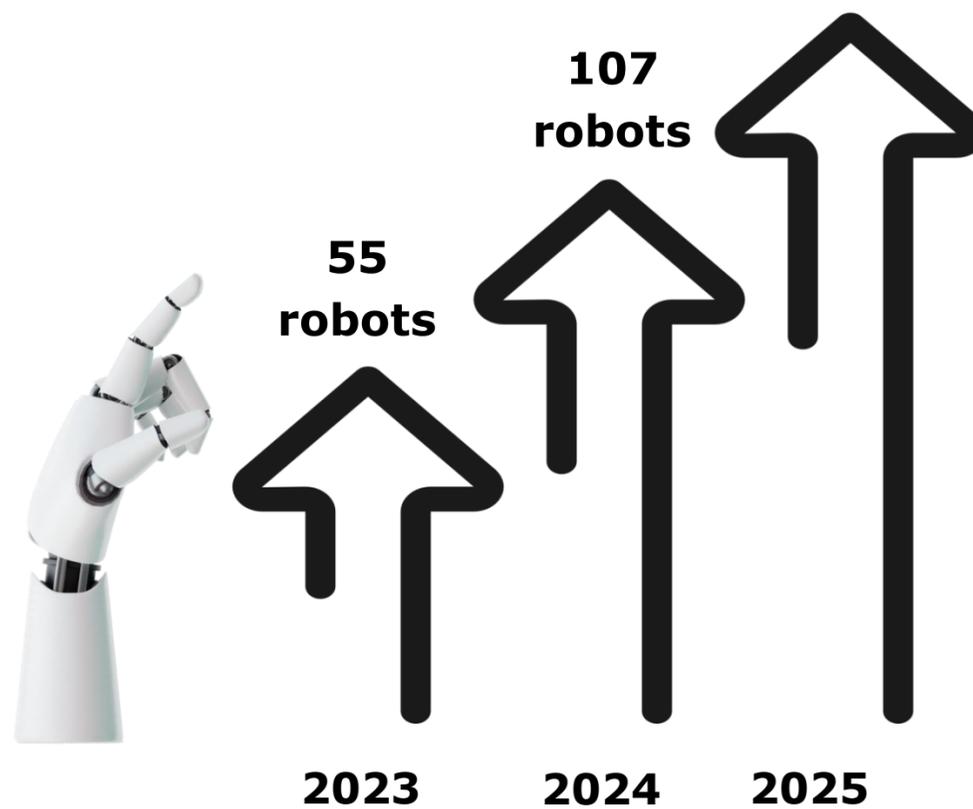
2,5 billion Ft



The number of maintained robots is increasing

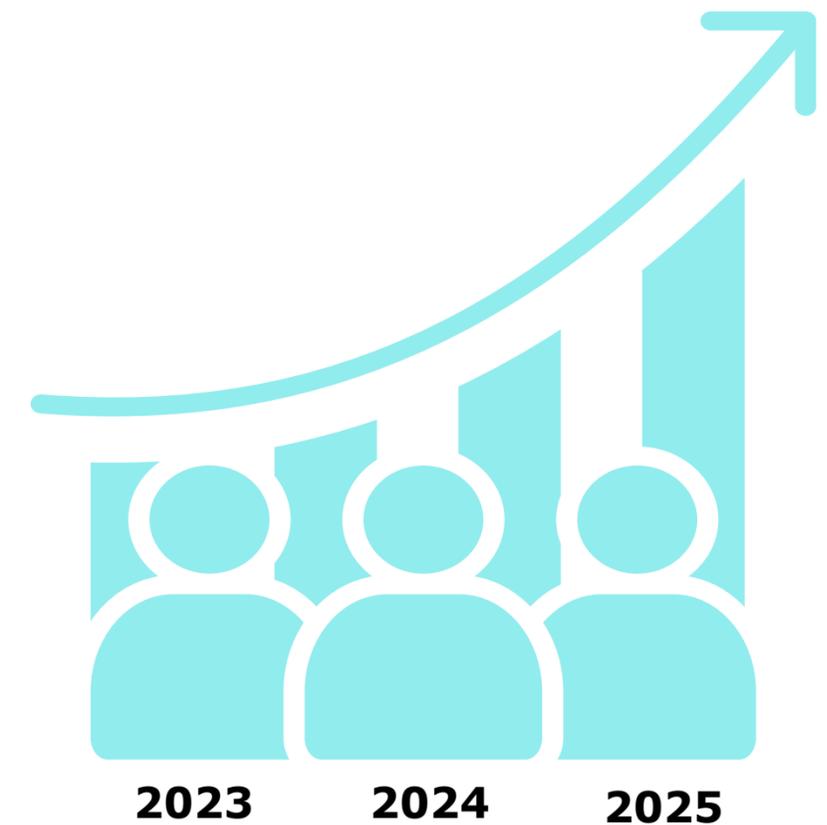


152 robots



The team continues to expand

Team size: 5 → 12





OUR PROFESSIONAL SERVICES

As the region's first manufacturer-independent logistics (intralogistics and interlogistics) robot integrator, our core activities include:

- ▶ Needs and environment assessment (BIM)
- ▶ Design and simulation
- ▶ Financy advisory
- ▶ Implementation and project management
- ▶ Comprehensive maintenance after handover



AR ROBOTIZATION SOLUTIONS BY LOGISTICS AREA



Picking



Sorting



Material handling



Floor Cleaning

PICKING



Picking is one of the most critical subprocesses in logistics, typically carried out in warehouses and distribution centers. It starts with receiving the order, includes collecting the required items from the warehouse, and ends with assembling and preparing the shipment for dispatch.

Shelf-to-person

Geek+ HAI ROBOTICS



Tote-to-person

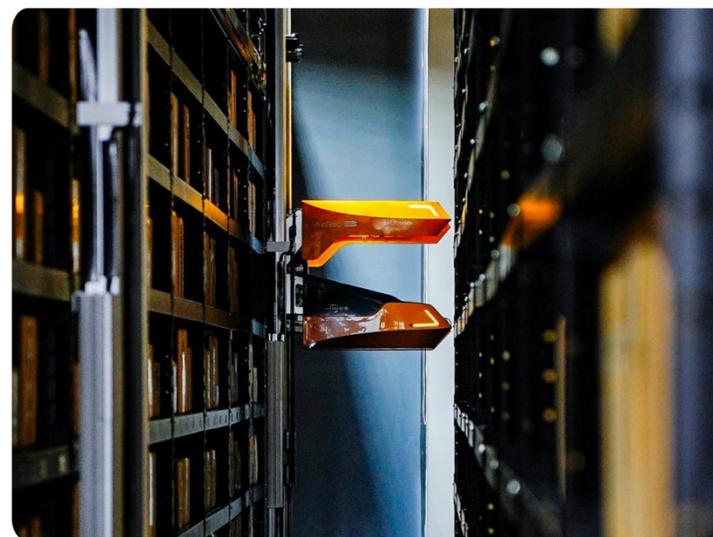
Geek+ HAI ROBOTICS AutoStore

Libiao ROBOTICS

EXOTEC

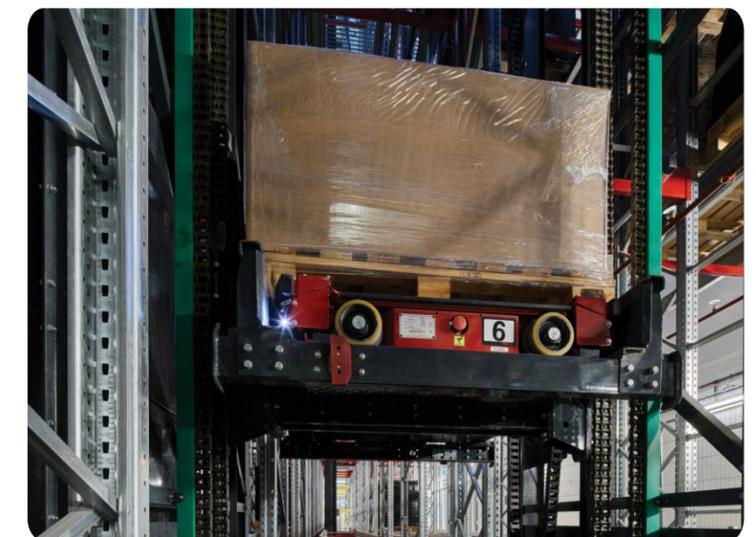
OPEX

LOCUS



Automated pallet handling

Geek+ MOFFETT AUTOMATION



SORTING



During the sorting process, various items are selected and grouped based on predefined characteristics or criteria. These criteria may include size, color, weight, or any other specified attribute. In a logistics context, sorting refers to the organization and classification of goods. Sorting robots make this process significantly more efficient.

Horizontal

Geek+



LIBIAO
ROBOTICS



Vertical

OPEX®



MATERIAL HANDLING WITH AUTONOMOUS ROBOTS



Autonomous material-handling robots increase the efficiency of moving, protecting, storing and monitoring materials/products/goods in manufacturing facilities and distribution centers, while significantly reducing the need for human intervention.

AGILOX

Melkus
Mechatronic

TUSKROBOTS

SEER
ROBOTICS

Geek+

PUDU



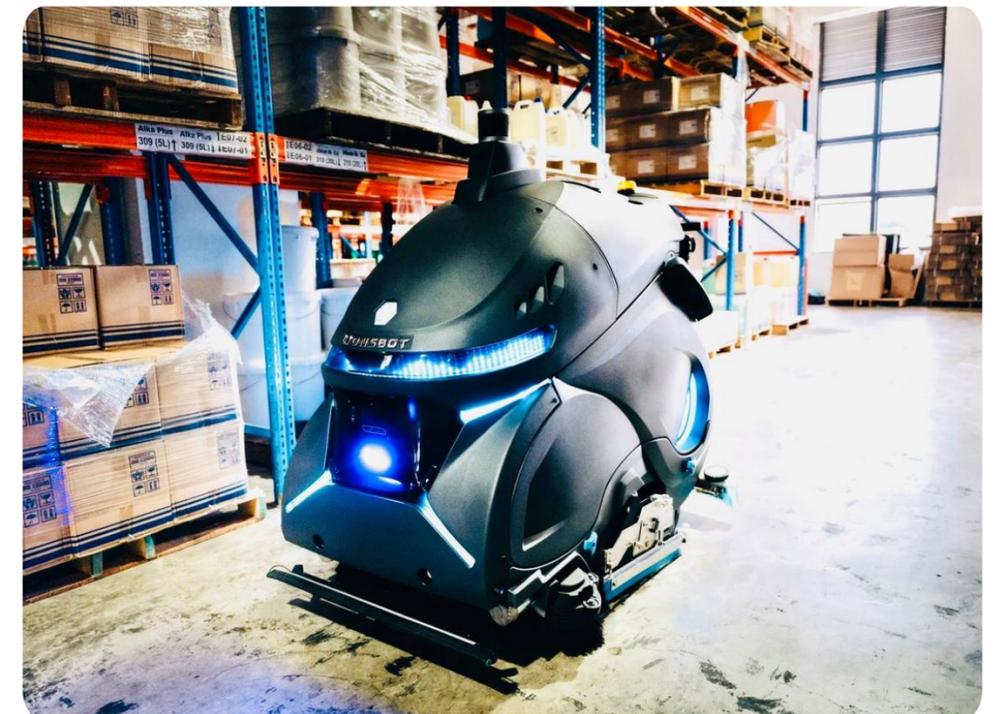
CAPRA ROBOTICS



FLOOR CLEANING

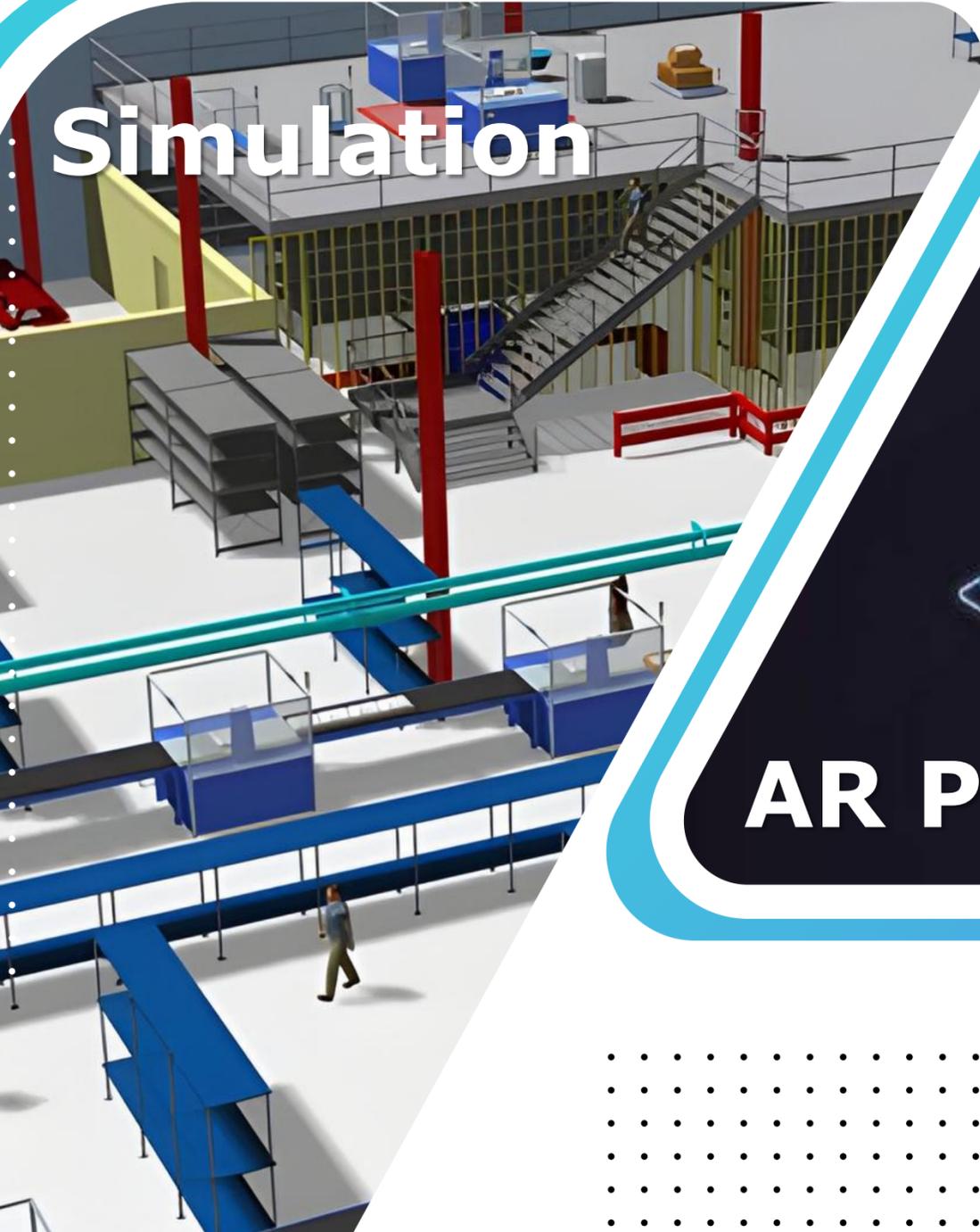


Autonomous cleaning technologies enable robots to independently clean large, flat surface areas that would otherwise require long, monotonous manual labor. When these cleaning tasks are performed by autonomous robots, human cleaners can focus on labor-intensive tasks that truly require attention and care — such as regularly and thoroughly cleaning changing rooms, restrooms and other hygiene-critical areas.



SOFTWARE SOLUTIONS

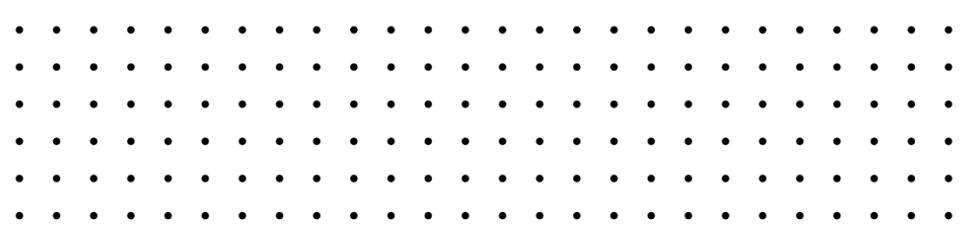
Simulation

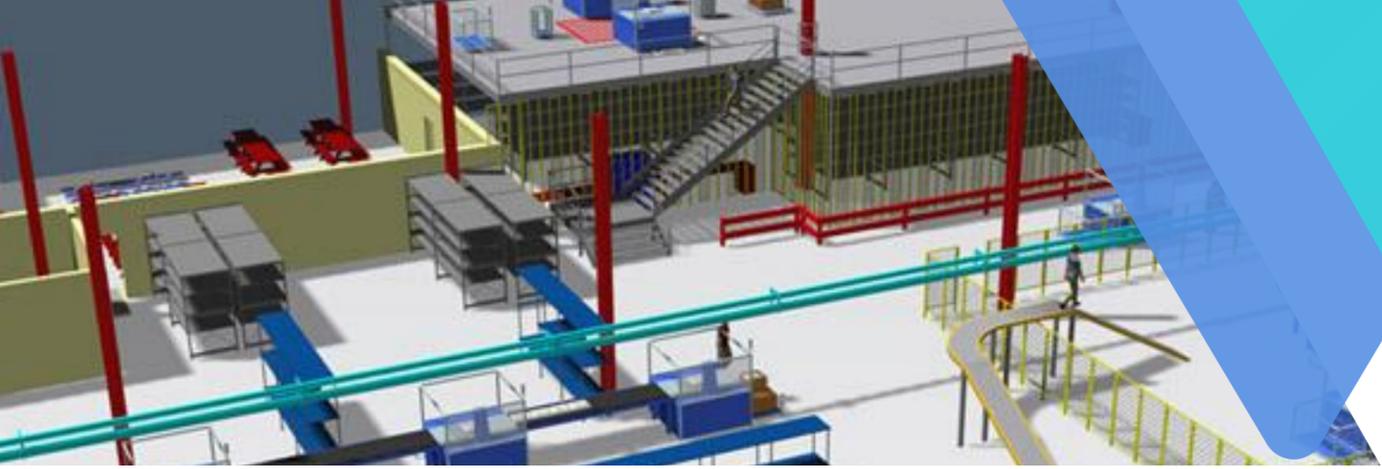


AR Platform



Maintenance support





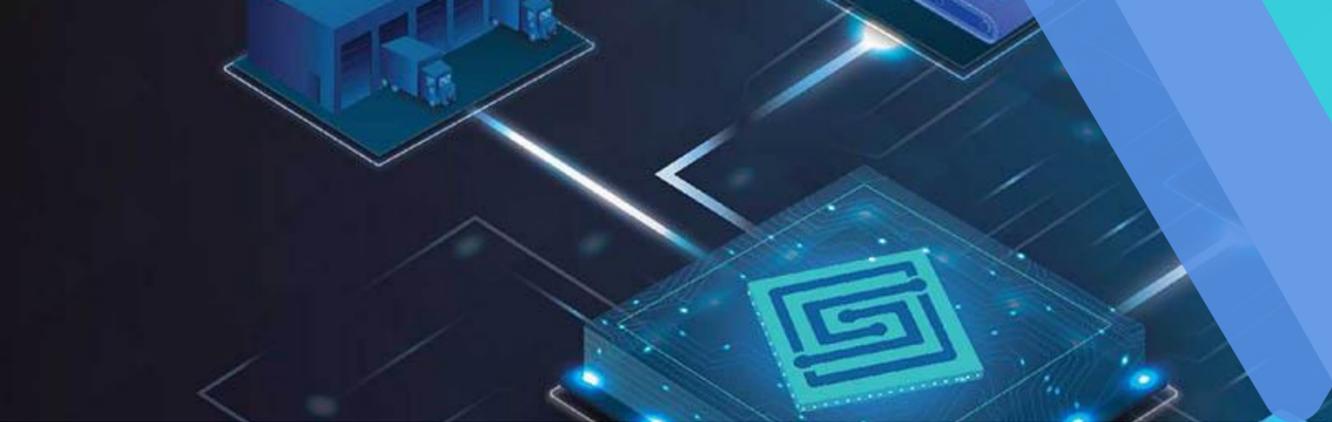
SIMULATION IN MANUFACTURING AND LOGISTICS

Through simulation modeling, manufacturing and logistics processes can be analyzed and optimized — whether the system is already operational or still in the planning phase, and regardless of the industry. Simulation is recommended when the system and/or the problem is so complex that developing the optimal solution would be impossible or extremely time-consuming using simple analytical tools.

Simulation modeling is applicable when regularly collected, structured data is available about the elements of the system, and when processes operate in a controlled and supervised manner.

Examples of how simulation can provide valuable insights:

- ▶ Identifying bottlenecks and testing process improvement proposals
- ▶ Testing the impact of layout changes and comparing different design alternatives
- ▶ Sizing autonomous mobile robot fleets and defining the optimal task-allocation logic
- ▶ Measuring operator workload and optimizing task distribution
- ▶ Determining required warehouse capacities and resources
- ▶ Running “what-if” scenarios to support informed decision-making



INTEGRATION PLATFORM FOR WAREHOUSE AUTOMATION

The AR Platform enables efficient and seamless integration of various types of robots and automated systems within large warehouses. Through the AR Platform, robots from different manufacturers — including autonomous mobile robots (AMRs) and a wide range of automated intralogistics solutions — can be easily connected to the customer's existing Warehouse Management System (WMS).

Key advantages of the AR Platform:

- ▶ Fast deployment and scalability
- ▶ Vendor-independent solution
- ▶ Real-time data management and optimization
- ▶ Modular and flexible integration
- ▶ Reduced downtime and higher system availability





SUPPORTING ROBOT FLEET MAINTENANCE

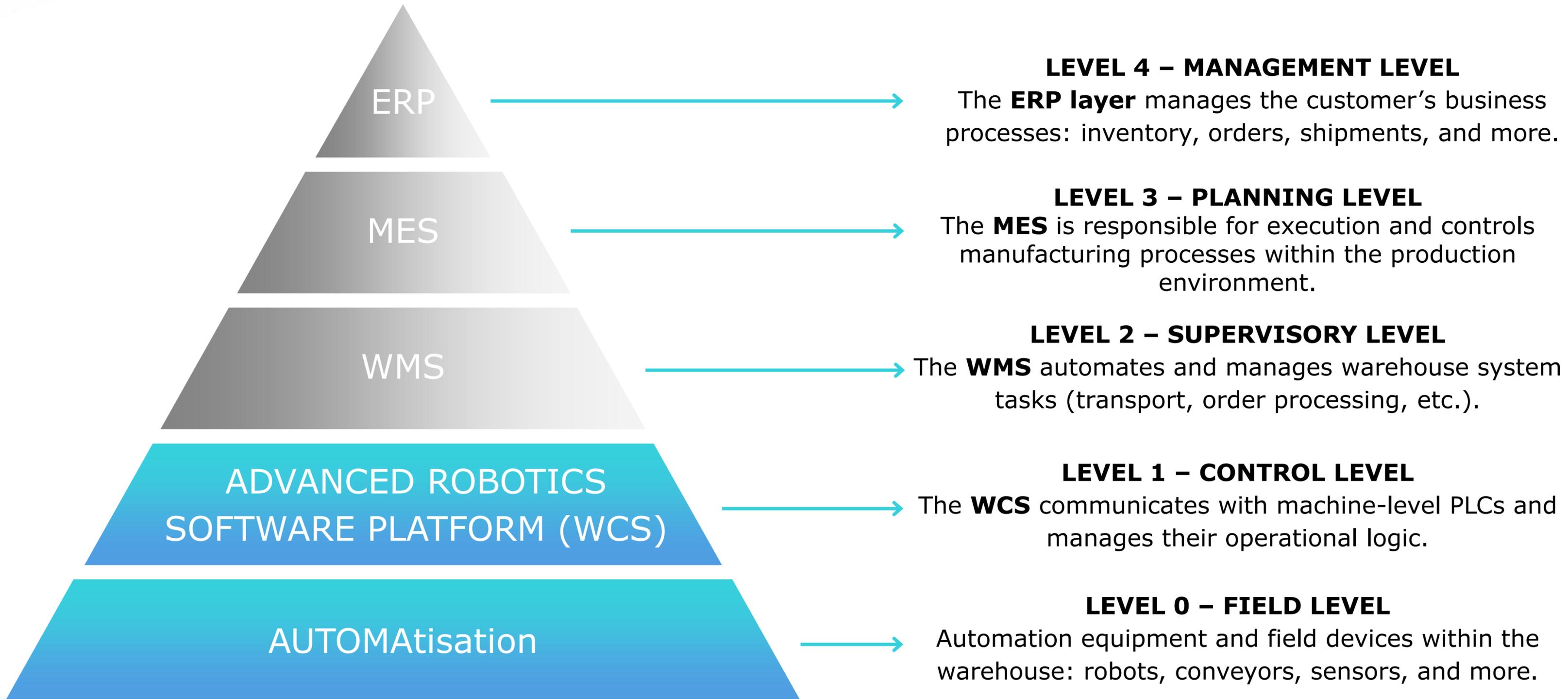
The intelligent maintenance management software (CMMS) digitalizes the operation and maintenance of autonomous mobile robot fleets (AGVs and AMRs). The system tracks the entire lifecycle of the robots, including preventive maintenance, repairs, spare-parts management, and the coordination of service personnel.

Key advantages of the solution:

- ▶ Preventive and predictive maintenance
- ▶ Digital asset management
- ▶ Efficient workflow management
- ▶ Cost efficiency
- ▶ Integration and interoperability
- ▶ User-friendly interface



ROBOTIZED WAREHOUSE INTEGRATION IN ENTERPRISE BUSINESS AND IT INFRASTRUCTURE



Contribution of Advanced Robotics (AR) to addressing customers' logistics challenges

PROPOSED SOLUTIONS	EXPECTED PRIMARY EFFECTS	AR SCOPE OF WORK
Process optimization	More efficient operations, cost reduction	
Implementation of integrated warehouse management systems aligned with ERP systems	Seamless, end-to-end transparent operations	
Deployment of automated warehouse systems and solutions (automation, robotization)	Higher efficiency, reduced costs, improved safety	
Optimization of warehouse space utilization	Higher efficiency, reduced costs, improved safety	
Implementation of predictive maintenance	Higher efficiency, reduced costs, improved safety	

THEY'VE ALREADY CHOSEN US



• **A P T I V** •

TRAN-SPED

 **Hydro**

BÁRDI AUTÓ

vitesco
TECHNOLOGIES

JABIL

BALOGH
T·É·S·Z·T·A
19 93

GLS.

flex®

 **EuropTec**

THANK YOU FOR YOUR ATTENTION!

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