

smartlogistiX

End-to-end
integrated solutions



www.smartlogistix.com



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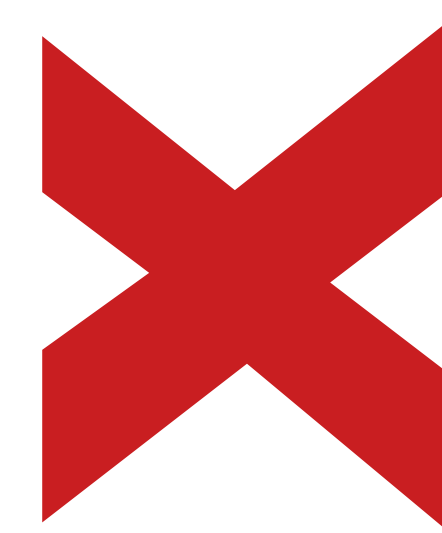
Focus

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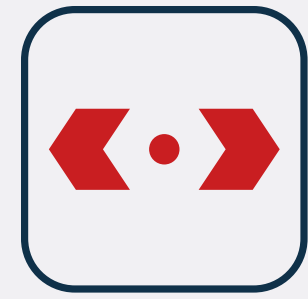
Every move you make.

Who we are and what we do

Smartlogistix is the perfect partner for the supply of integrated systems dedicated to the industrial automation and intralogistics sectors. We offer integrated hardware and software solutions capable of automating and digitising production processes and managing the handling, transport and storage of raw materials, semi-finished and finished product flows.

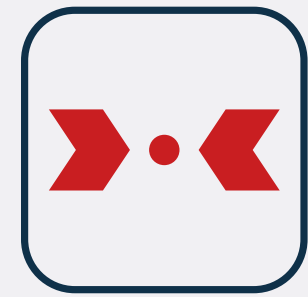
About

02



Vision

To be the perfect partner for supplying integrated systems dedicated to the industrial automation and intralogistics sectors.



Mission

To offer integrated hardware and software solutions that can automate and digitize production processes to manage handling, transportation and storage of raw material, semi-finished and finished product flows.





Our pillars



Integration

The manufacturing market, with regard to the topics of automation and digitization of processes, is moving towards the pursuit of the “smart and hyper-connected factory”. We will help you to be in line with this goal.



Second-life

Our approach is designed to contribute to a more sustainable future. Our mission is to extend the useful life of systems through the recovery and retrofitting, both hardware and software, of self-driving vehicles and intralogistics systems, also from other manufacturers.



Safety

Increase safety and reduce risks in your production facility with solutions designed to ensure safe operations in the warehouse and on the production line with regard to the handling of raw materials, semi-finished or finished products.



Open platform

Through the use of open platforms and non-proprietary solutions, you can flexibly manage all major activities, promoting standardization by means of universal communication protocols.

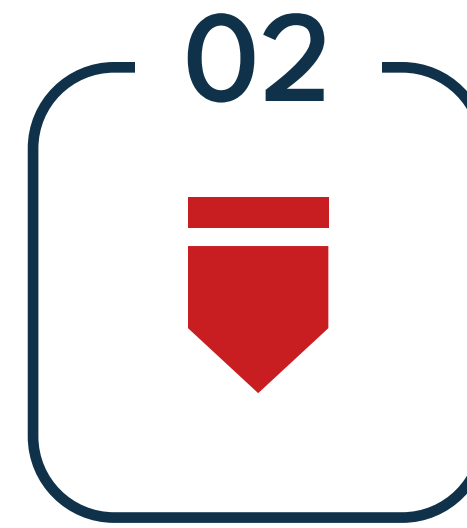


From concept **to realization**

Smartlogistix supports clients in every stage of the project, from purchase to realization, offering customized automation and intralogistics solutions. Through integrated services ranging from initial consulting to installation and after-sales support, we ensure operational continuity and efficiency throughout the entire life cycle of the system.



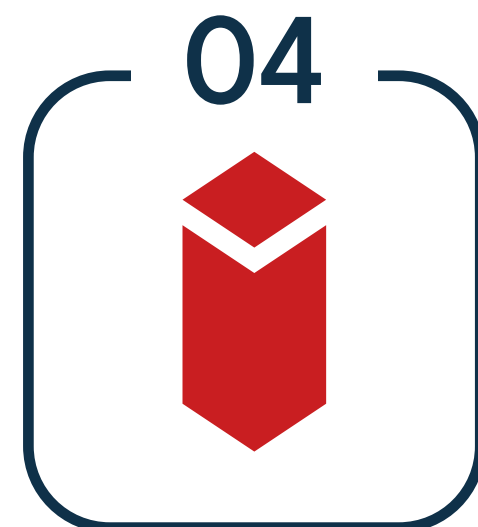
Auditing and consulting



Study and planning



Project management



Engineering and realization



Installation and commissioning



Lifecycle customer care



Where does experience in the intralogistics **industry** come from?

Smartlogistix was established with the common goal of A.Celli, Taiprora and Joob to support the competitiveness and lasting success of companies through end-to-end integrated solutions. All this by combining research, engineering and creative innovation to foster the development of smart factories worldwide.



Taiprora is a Software & Automation Engineering company specialized in integrated solutions for manufacturing and intralogistics.

www.taiprora.it



A.Celli is a high-end machinery and solutions provider for the nonwovens and intralogistics industries.

www.acelli.it



Joob is a cross-platform developer of Edge Applications and real-time user interface engines.

www.joob.srl



Our reference **sectors**

Smartlogistix optimizes the flow of raw materials, semi-finished, and finished products in manufacturing. Tailored for various industries, our solutions enhance efficiency, ensuring tangible and competitive results.



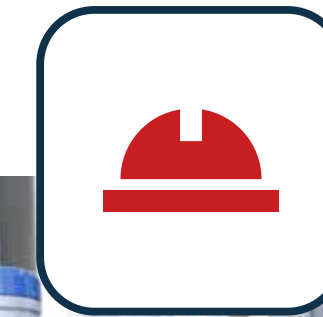
Automotive



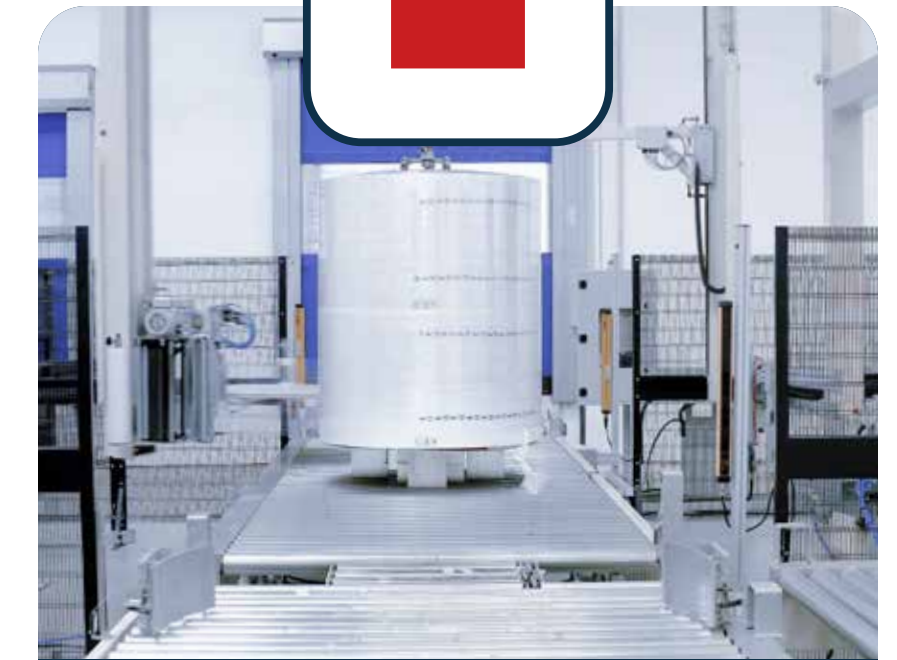
Chemical & Pharma



Food & Beverage



Industrial



Paper & Nonwovens

- ✕ **Robotics**
and motion control
- ✕ **Vision**
systems
- ✕ **Design**
4.0

- ✕ **Temperature**
controlled storage
- ✕ **GMP**
compliance
- ✕ **Contamination**
proof systems

- ✕ **Food**
chain automation
- ✕ **Guaranteed**
hygiene and quality
- ✕ **Waste**
reduction

- ✕ **Integrated**
solutions
- ✕ **Plant**
revamping
- ✕ **Industry**
4.0

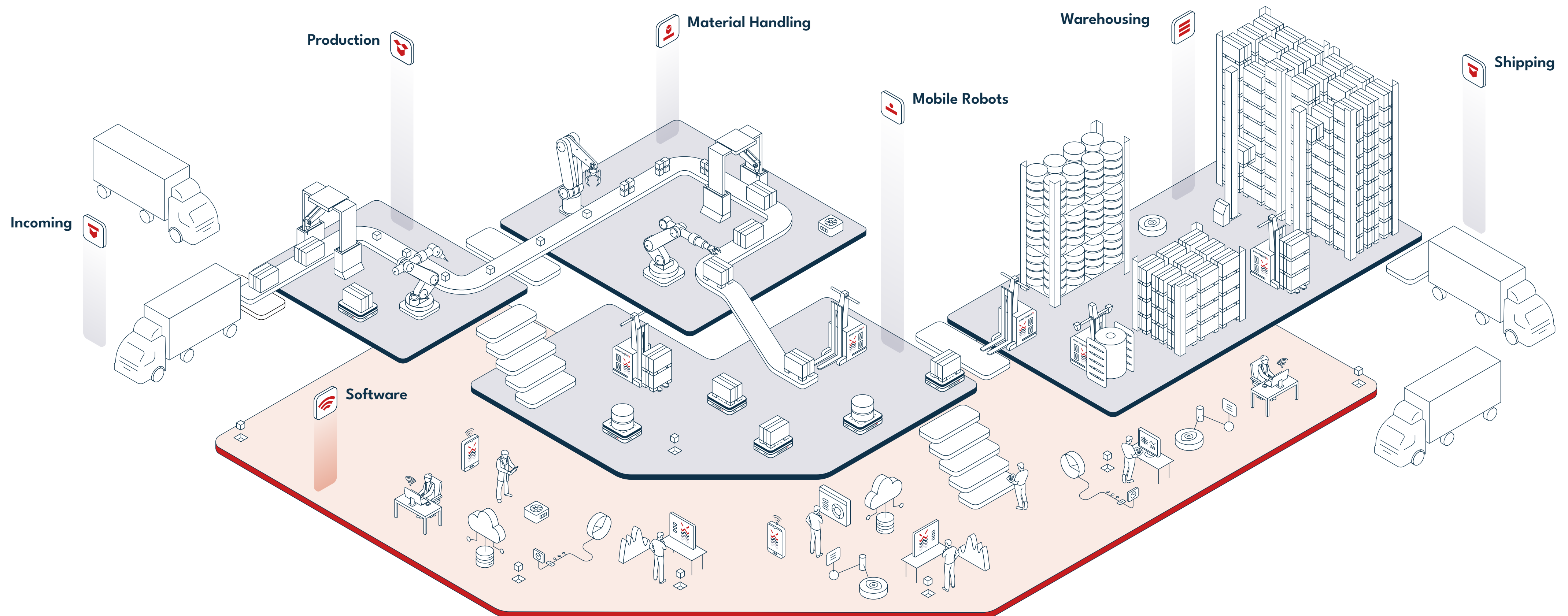
- ✕ **Automated**
packaging
- ✕ **Reel**
handling
- ✕ **Virtual**
labels

Solutions



The smart factory

The Smart Factory is an advanced manufacturing environment that uses digital technologies, automation and connectivity to optimize production processes. Production machinery and motion systems are interconnected with the goal of reducing waste, improving productivity and increasing competitiveness.



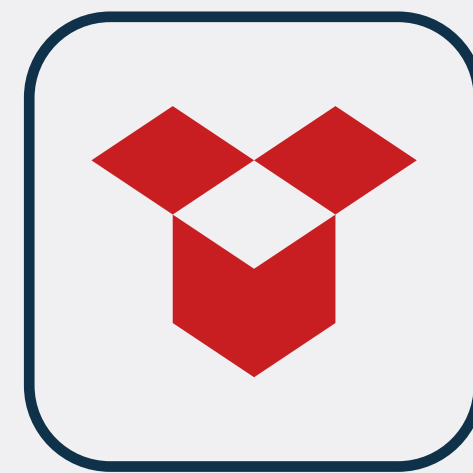


Our smart offer



Software Solutions

Our software ensures real-time monitoring, supervision, and traceability with advanced vision, digital twin, and simulation technologies.



Automated Material Handling

Our semi and fully automated handling and packaging solutions optimize workflow, integrating seamlessly with existing plant systems.



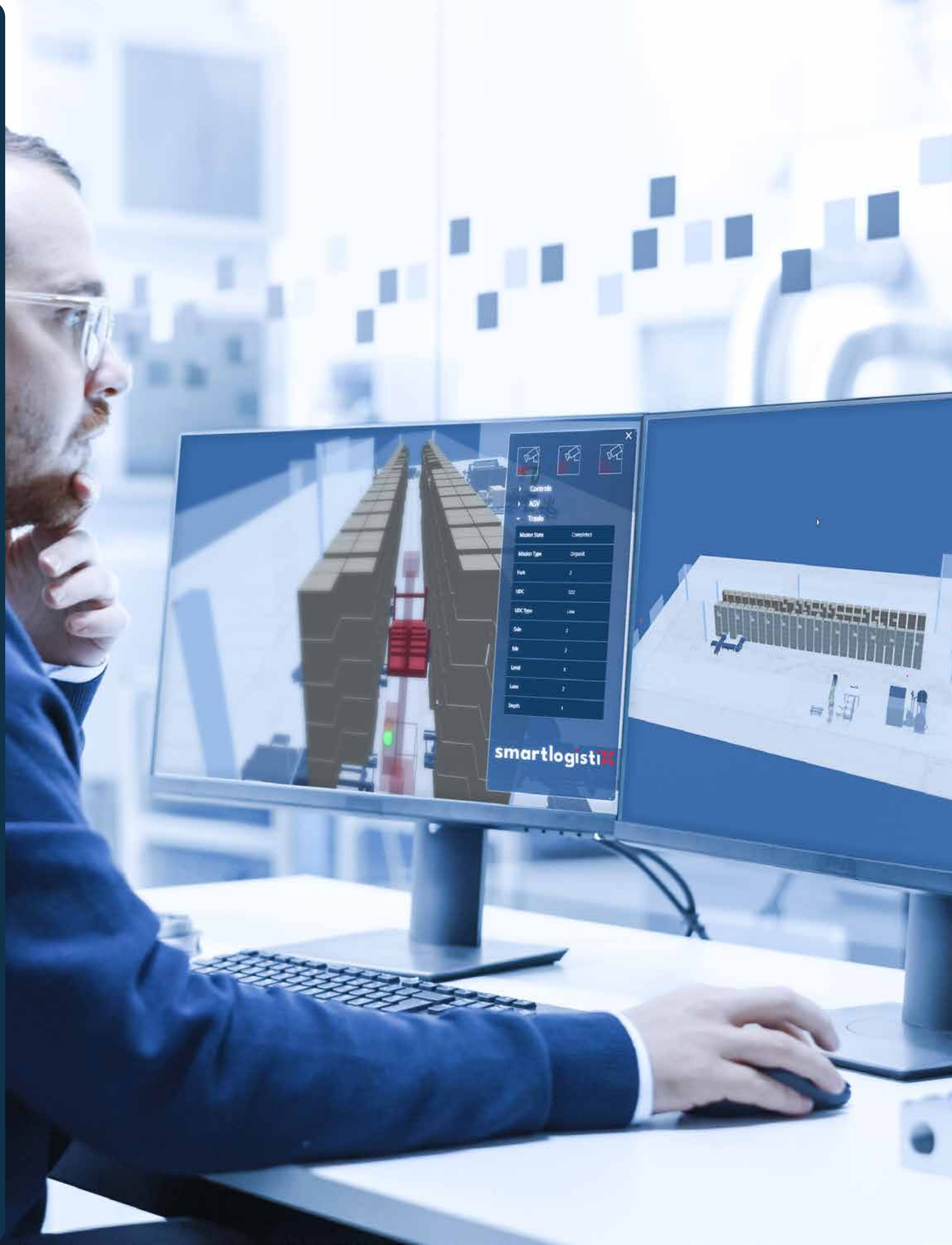
Mobile Robots

Our VDA 5050-compliant AGVs and AMRs ensure seamless material flow and rapid handling of raw materials, semi-finished and finished products.



Automated Warehouse

We provide automated warehouse solutions to enhance performance, eliminate downtime, optimize space, and ensure real-time inventory visibility.

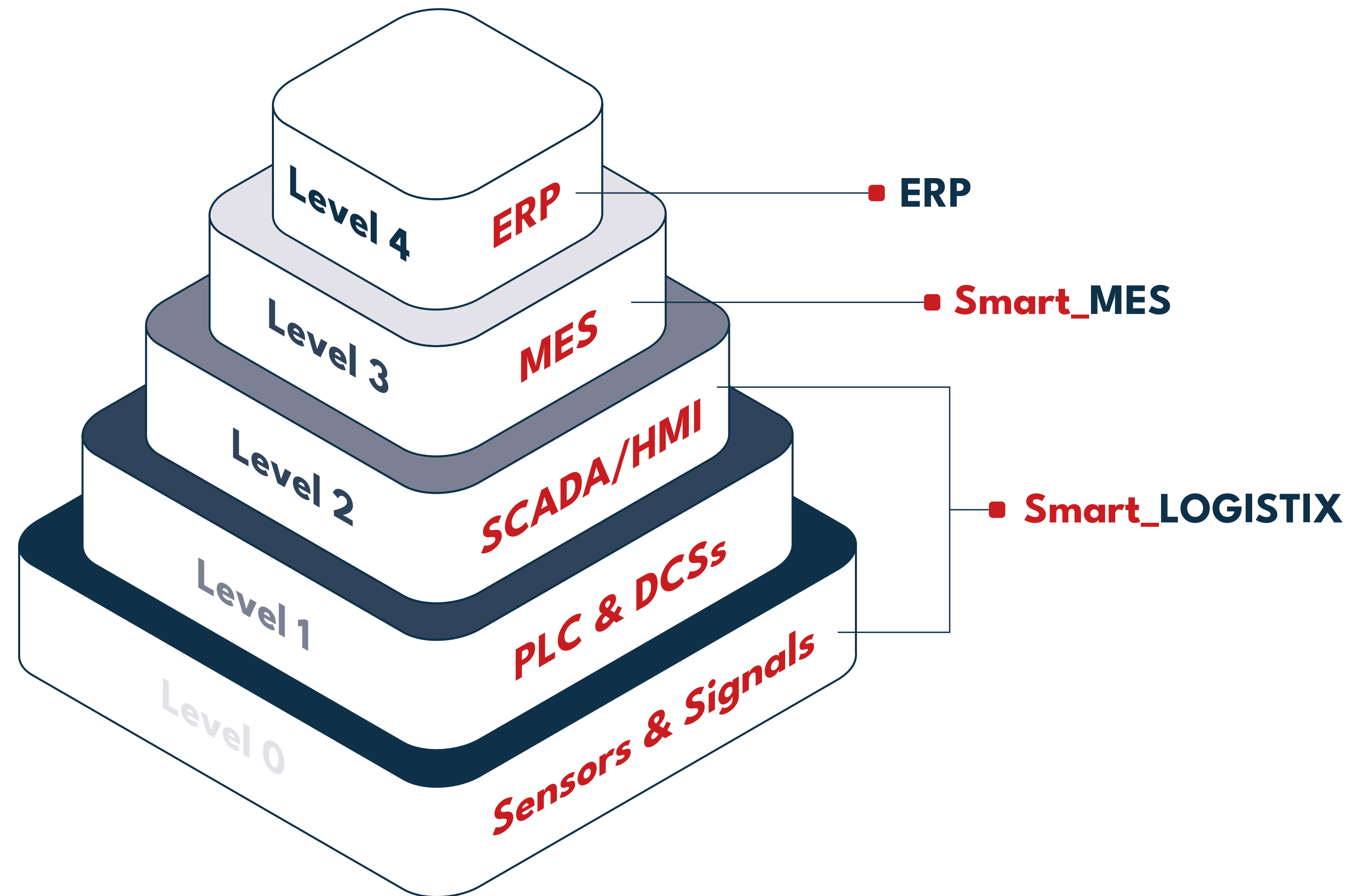


A digital neural network

Our software, both management and industrial monitoring and control, are perfect for responding promptly to any need. From production data collection to process supervision, from production management to product and process traceability, all with the use of the most innovative real time vision, digital twin and simulation technologies.



The Smart Ecosystem for **Business Automation**



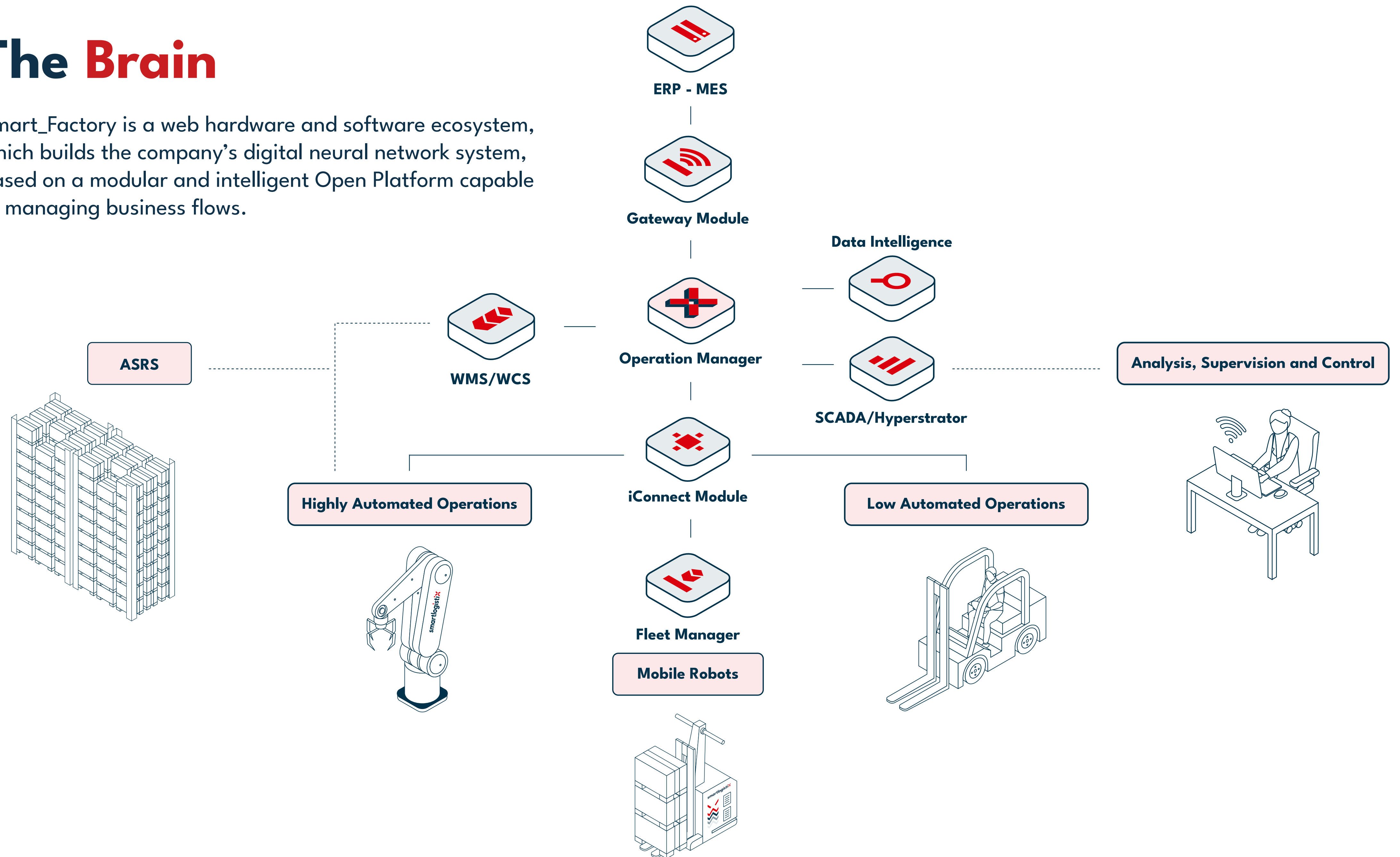
SMART_FACTORY

The **SmartFactory** system fits within the ANSI ISA 95 standard, covering levels 0 through 3. Through its modules, **SmartMes** communicates with the company's ERP and takes care of every stage of production, from planning to control to basic sensing.



The Brain

Smart_Factory is a web hardware and software ecosystem, which builds the company's digital neural network system, based on a modular and intelligent Open Platform capable of managing business flows.





Smart_MES

< Software Solutions >



Smart_MES optimizes industrial production in real time, integrating planning with execution. It boosts efficiency, tracks performance, reduces waste, and ensures timely deliveries for continuous improvement

Product configurator

Product order management and scheduling

Production data collection

Quality control

Maintenance

Traceability

Analysis, OEE reporting

Omnia DP



Smart_Logistix application suite

< Software Solutions >

Operation Manager Module

Advanced decision-making algorithm for optimal operational efficiency



Gateway

Seamless integration between MES and ERP for efficient data flow



WCS/WMS

Optimizing warehouse operations with smart digital solutions for management



Data Intelligence

Powerful data processing, analysis, and performance optimization module



Hyperstrator 3D real time

Advanced operations oversight with data processing, visualization, and 3D twin



iConnect

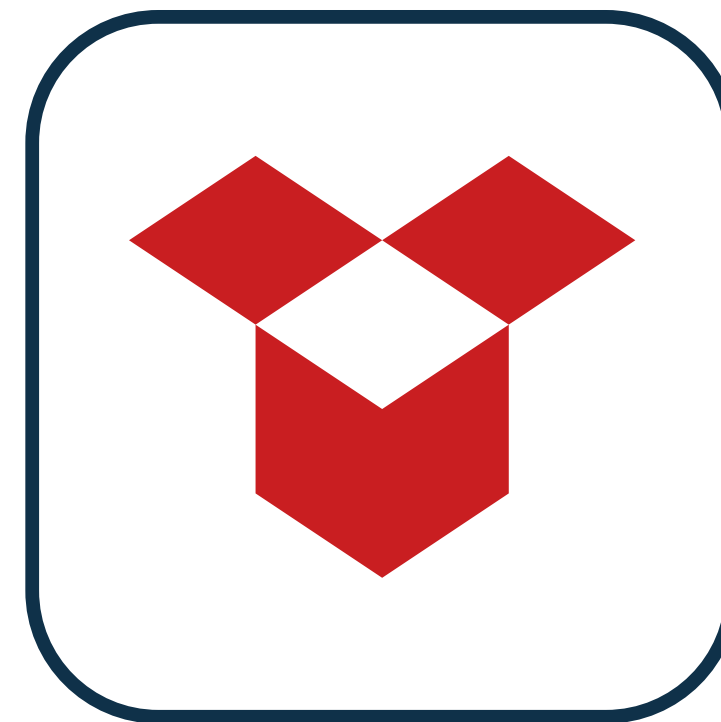
Streamlined communication and control for seamless production efficiency



Fleet Manager

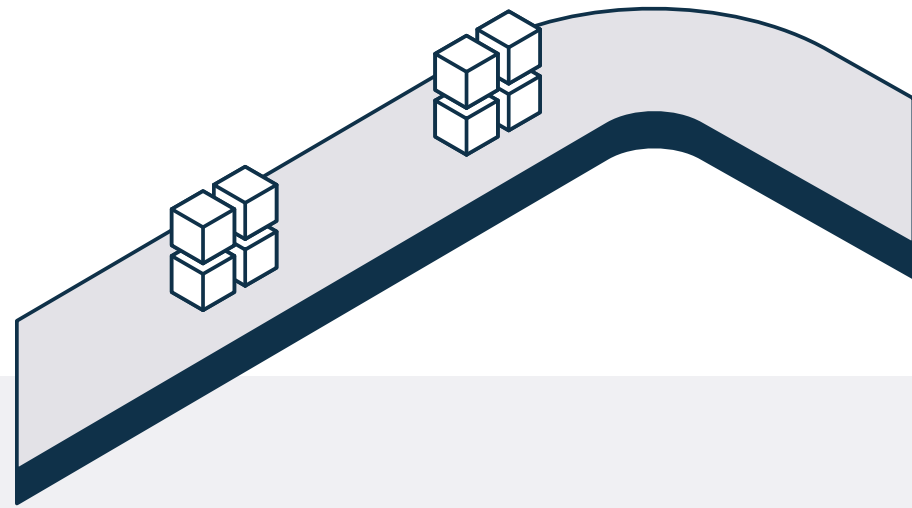
Coordinating production workflows with intralogistics vehicle automation





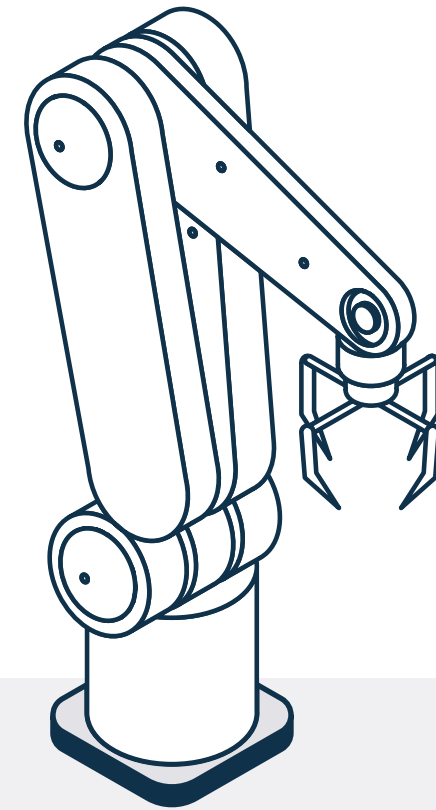
Full 360° automation

Our handling and packaging solutions, semi-automated or fully automated, allow you to significantly optimise your processing flow with a wide range of technologies adapted to all your product requirements.



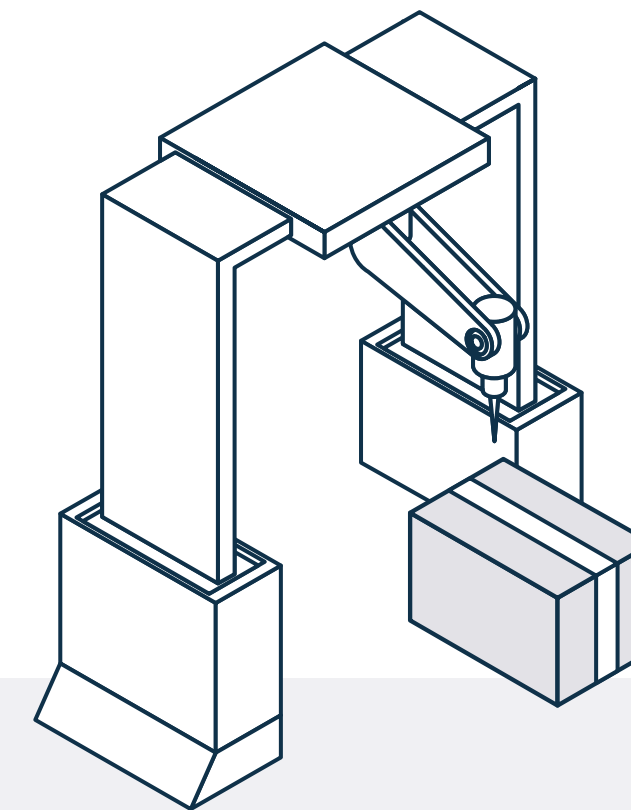
Transportation system

Smartlogistix offers innovative solutions for industrial transportation, integrating software, technologies and automation. We provide **conveyors, AGVs, AMRs**, and other automated systems to ensure efficiency, business continuity, and integration with ERP.



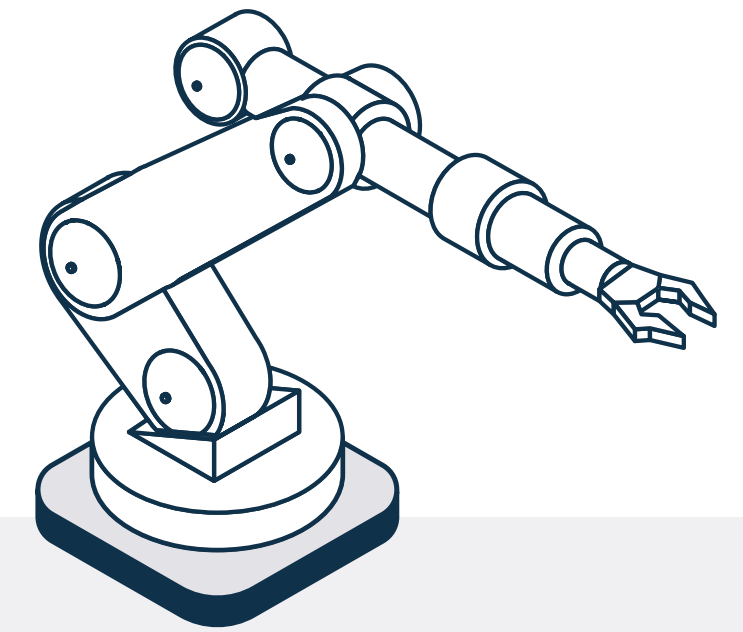
Robotic solutions

Smartlogistix offers robotic solutions to optimize material flow, improving efficiency and accuracy. We offer **sorters, robots, upenders, palletizers**, and other systems to automate complex operations and integrate them into production lines.



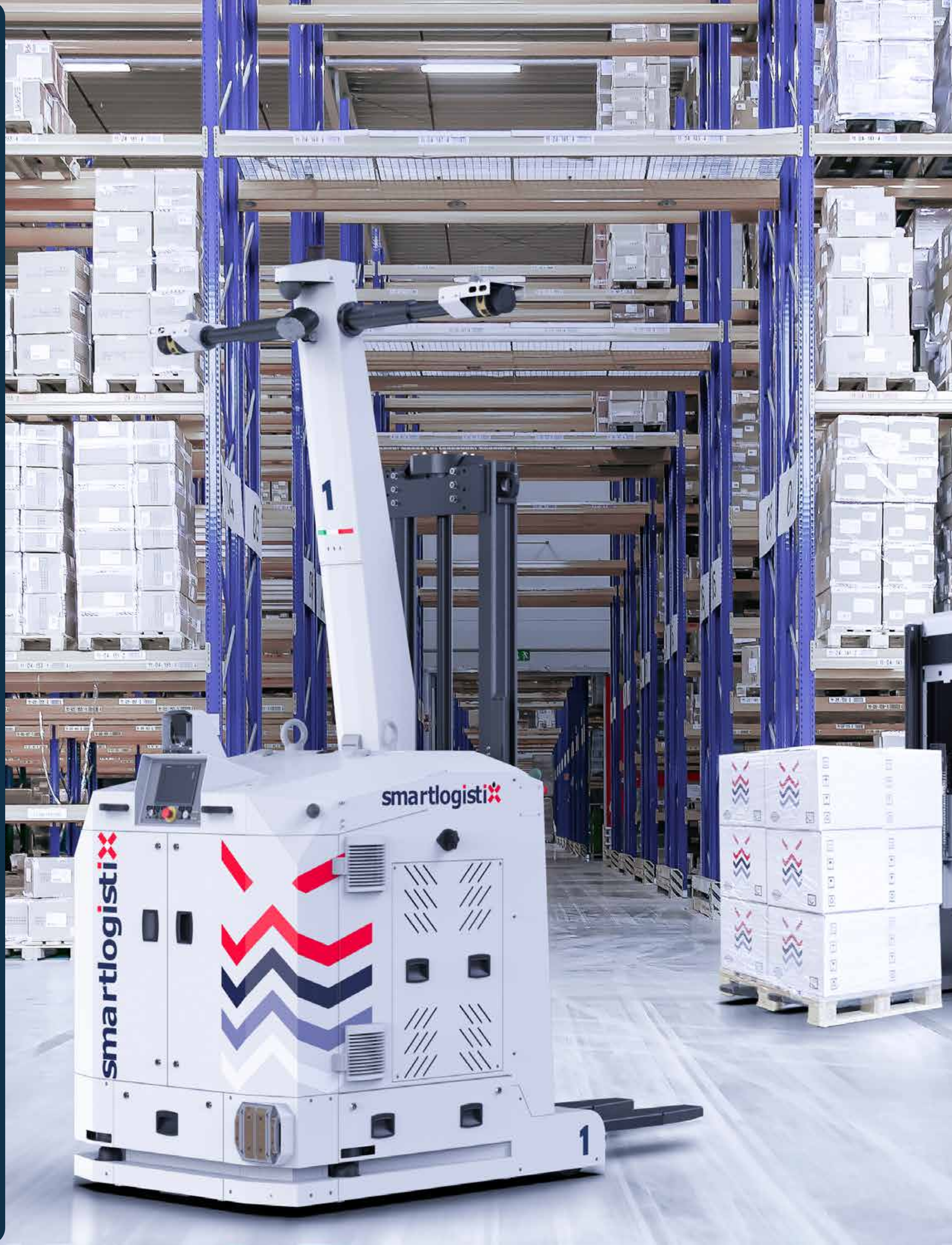
Packaging systems

Smartlogistix offers packaging systems to speed and automate packaging. **Wrapping, strapping, forming and closing machines** provide efficiency, reduced operating costs and optimal integration with production lines.



Labeling solutions

Smartlogistix offers labeling solutions for accurate and reliable traceability. **Data tracking, labeling machines, RFID and label verification** improve logistics, quality control and warehouse management, reducing errors and increasing efficiency.



Everything, everywhere

Image an ideal plant where everything travels smoothly, from raw materials to semi-finished and finished products. Now you can experience this in reality, thanks to our range of automated guided vehicles (AMRs, AGVs) that are perfectly adaptable to any requirement.



A comprehensive **range**

The Smartlogistix family of automated guided vehicles offers a wide variety of autonomous solutions, from compact models for line logistics to high-capacity omnidirectional platforms, optimizing efficiency and safety in industrial processes.

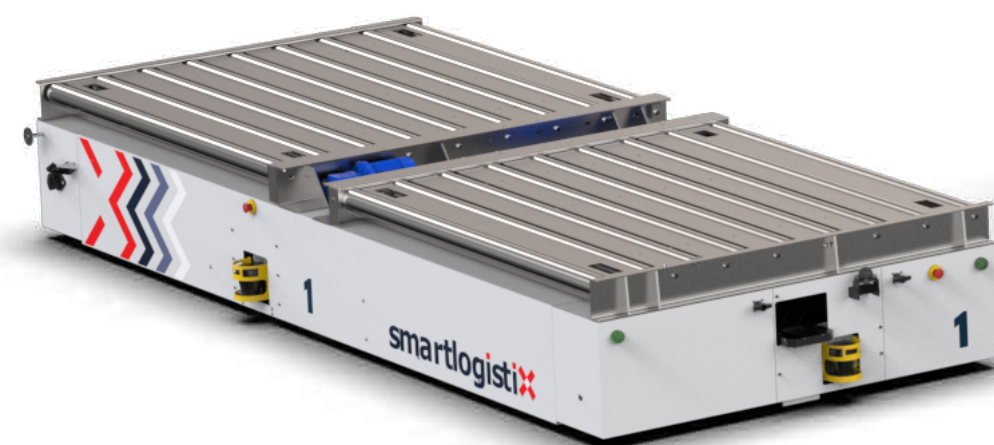
01. TITAN

02. JUPITER

03. PLUTO

04. OMNI

05. AMR





01. Titan

The **TITAN** range of vehicles are designed for heavy loads transportation and demanding production environments with high storage density.



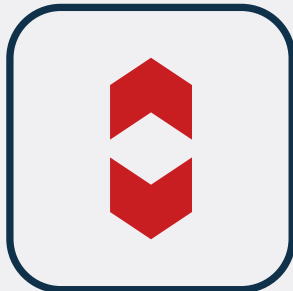
Top-Notch Adaptability



Safety



Open Platform



Flexibility

Clamp

- ☒ Max Load – Up to 5 tons
- ☒ Max Lifting Height – Up to 7 m



Trilateral

- ☒ Max Load – Up to 1.6 tons
- ☒ Max Lifting Height – Up to 16 m

Twinfork

- ☒ Max Load – Up to 3 tons
- ☒ Max Lifting Height – Up to 9 m





02. Jupiter

The mobile robots of the **JUPITER** range are characterized by their flexibility, compactness and capability to work in narrow aisles.



Flexibility



Maximum Versatility



Top-Notch Adaptability



Compact Design

Fork

- ☒ Max Load – Up to 1.6 tons
- ☒ Max Lifting Height – Up to 12 m



Flexifork

- Max Load – Up to 1.5 tons ☒
- Max Lifting Height – Up to 9 m ☒



Clamp

- ☒ Max Load – Up to 1.5 tons
- ☒ Max Lifting Height – Up to 7 m





03. Pluto

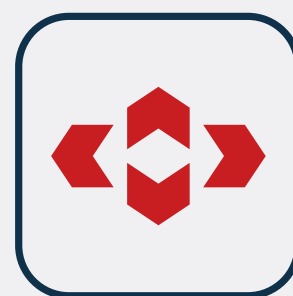
Thanks to their small size, the **PLUTO** vehicles are the perfect solutions to handle palletized goods in extremely tight spaces.



Top-Notch
Adaptability



Efficiency



Maximum
Versatility



Compact
Design

Pluto X

- ☒ Max Load – Up to 1.5 tons
- ☒ Max Lifting Height – Up to 3,5 m



Pico

- ☒ Max Load – Up to 1.5 tons
- ☒ Max Lifting Height – Up to 3 m



Compact

- ☒ Max Load – Up to 1 tons
- ☒ Max Lifting Height – Up to 6 m





04. Omni

Automated mobile platforms equipped with omnidirectional drive capabilities, suited for the handling of a large variety of particularly bulky loads.



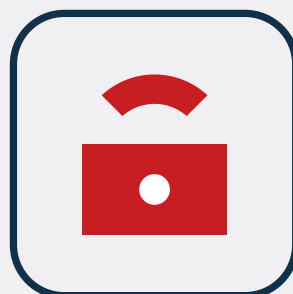
Open Platform



Efficiency



Top-Notch Adaptability



Safety

Shelver

- Max Load - Up to 3,5 tons
- Max Lifting Height – Up to 9 m



Flex

- Max Load - Up to 25 tons



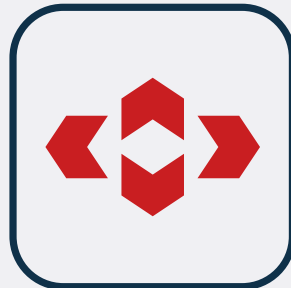


05. AMR

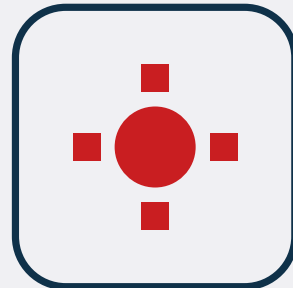
Advanced autonomous mobile robots designed to operate autonomously in unstructured environments without external guidance systems.



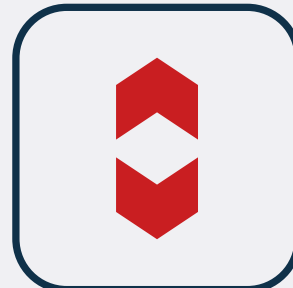
Efficiency



Maximum Versatility



Precision



Flexability

AMR-X

Max Load - Up to 1,5 tons

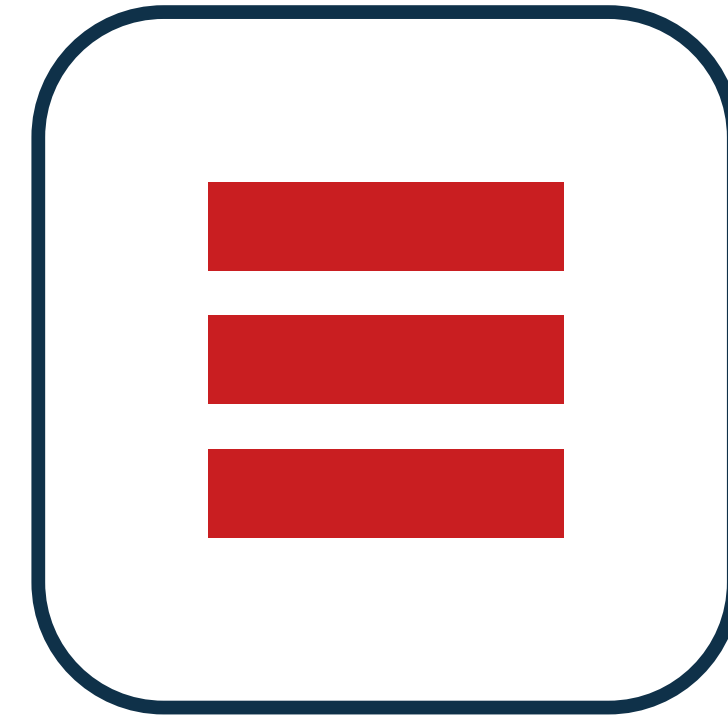
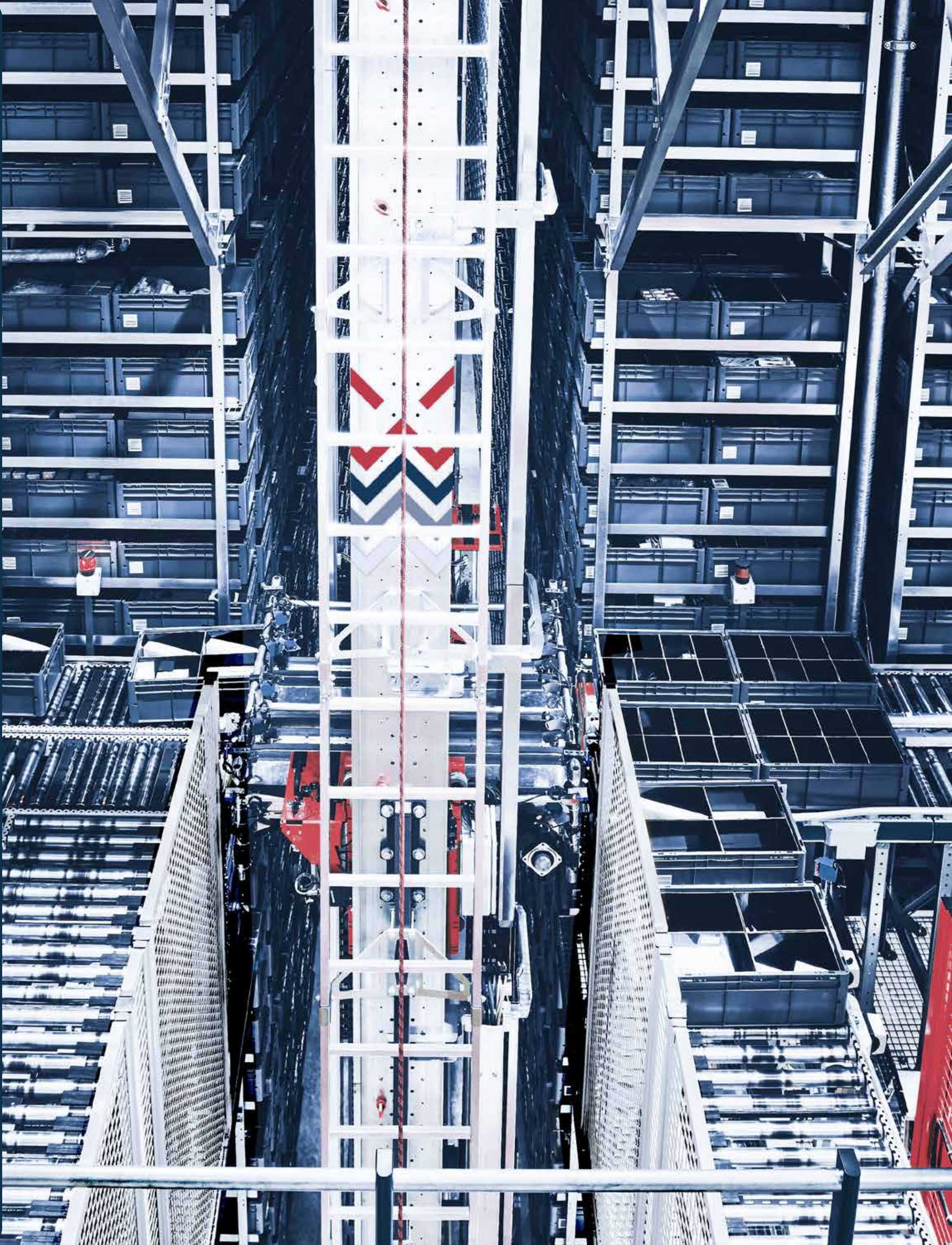


AMR-FX

Max Load - Up to 1,5 tons

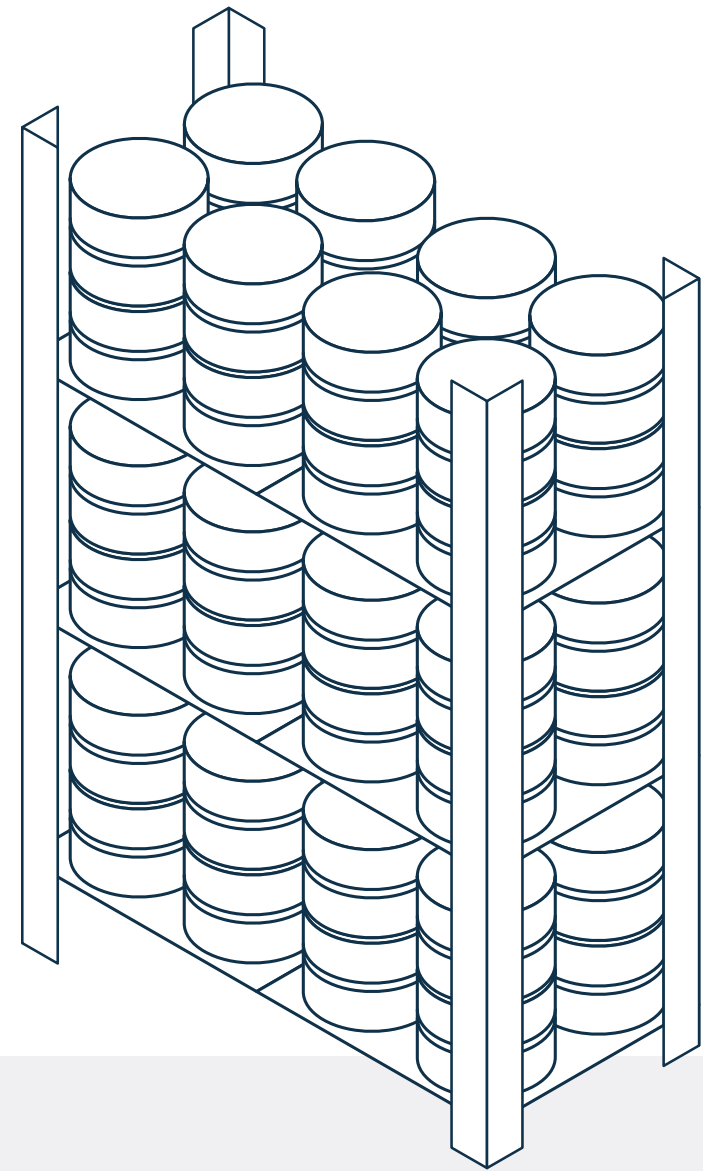
Max Lifting Height - Up to 6 m





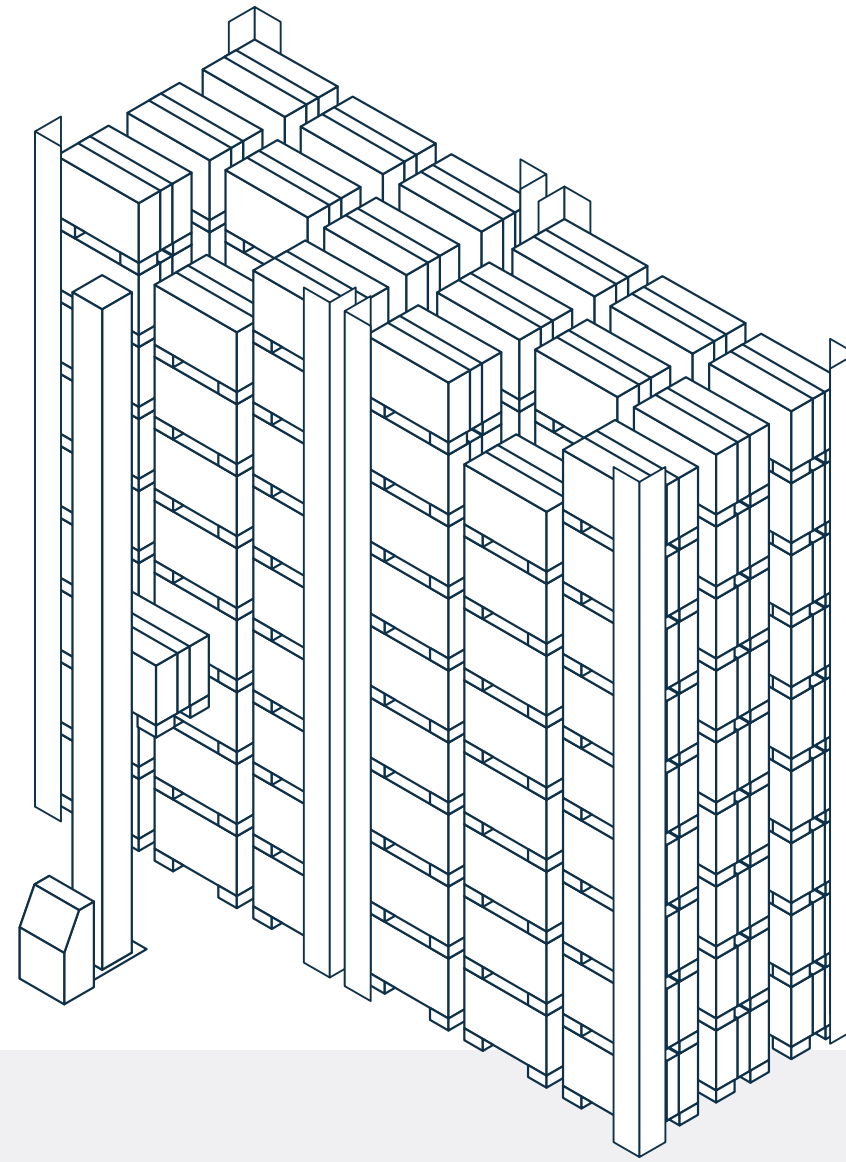
A high-performance warehouse system

A wide range of automated solutions for storage, handling and distribution of goods that can eliminate downtime and optimize available space.



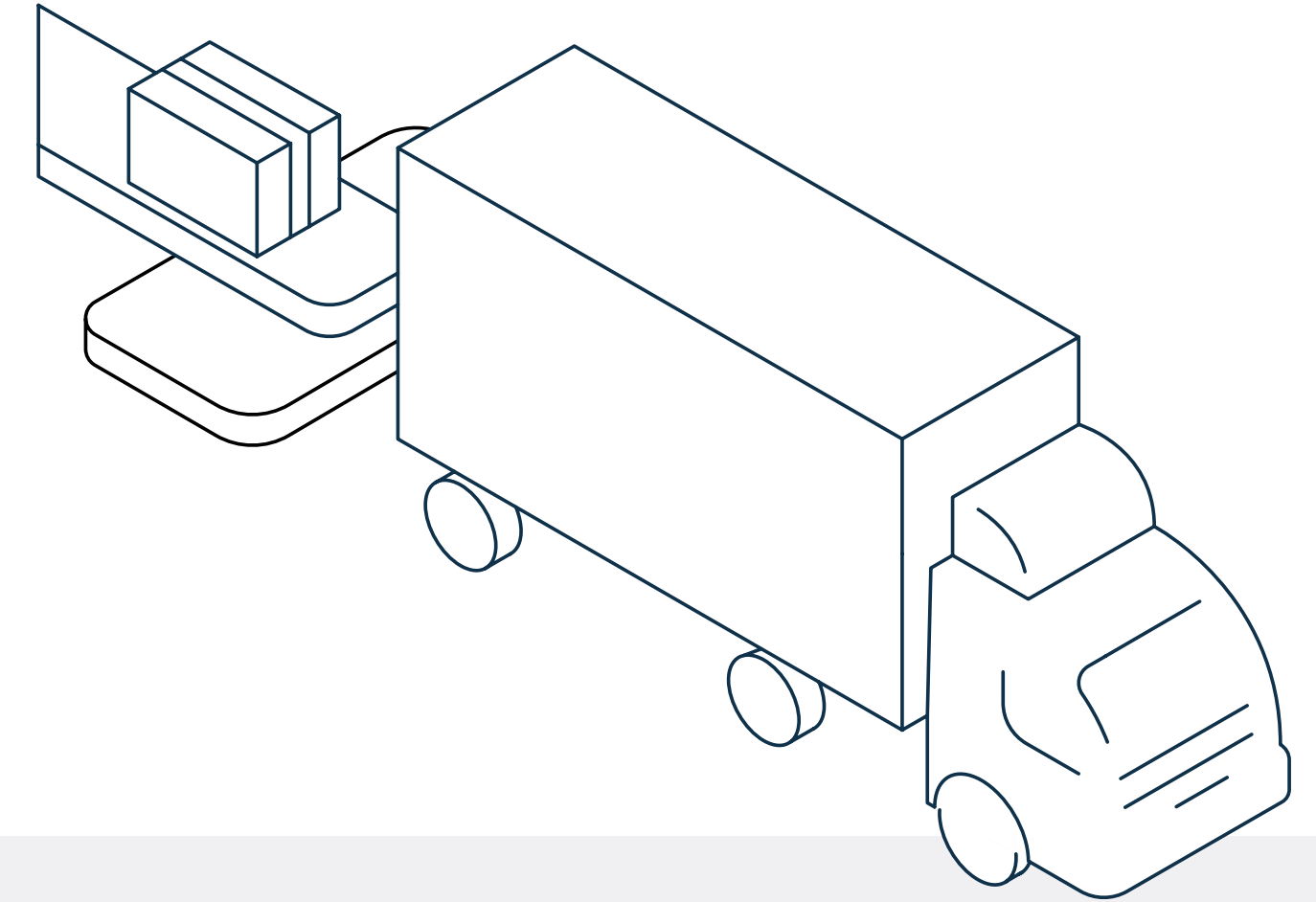
Storage systems

Our warehousing systems **maximize space, streamline inventory, and enhance logistics** with customizable solutions, reducing picking times and ensuring flexible, secure goods management for any industry.



Automated warehouses

Automated warehouses improve logistics with speed, accuracy, and safety, leveraging **shuttles, stacker cranes, mobile robots, and smart software** for real-time monitoring and dynamic inventory management.



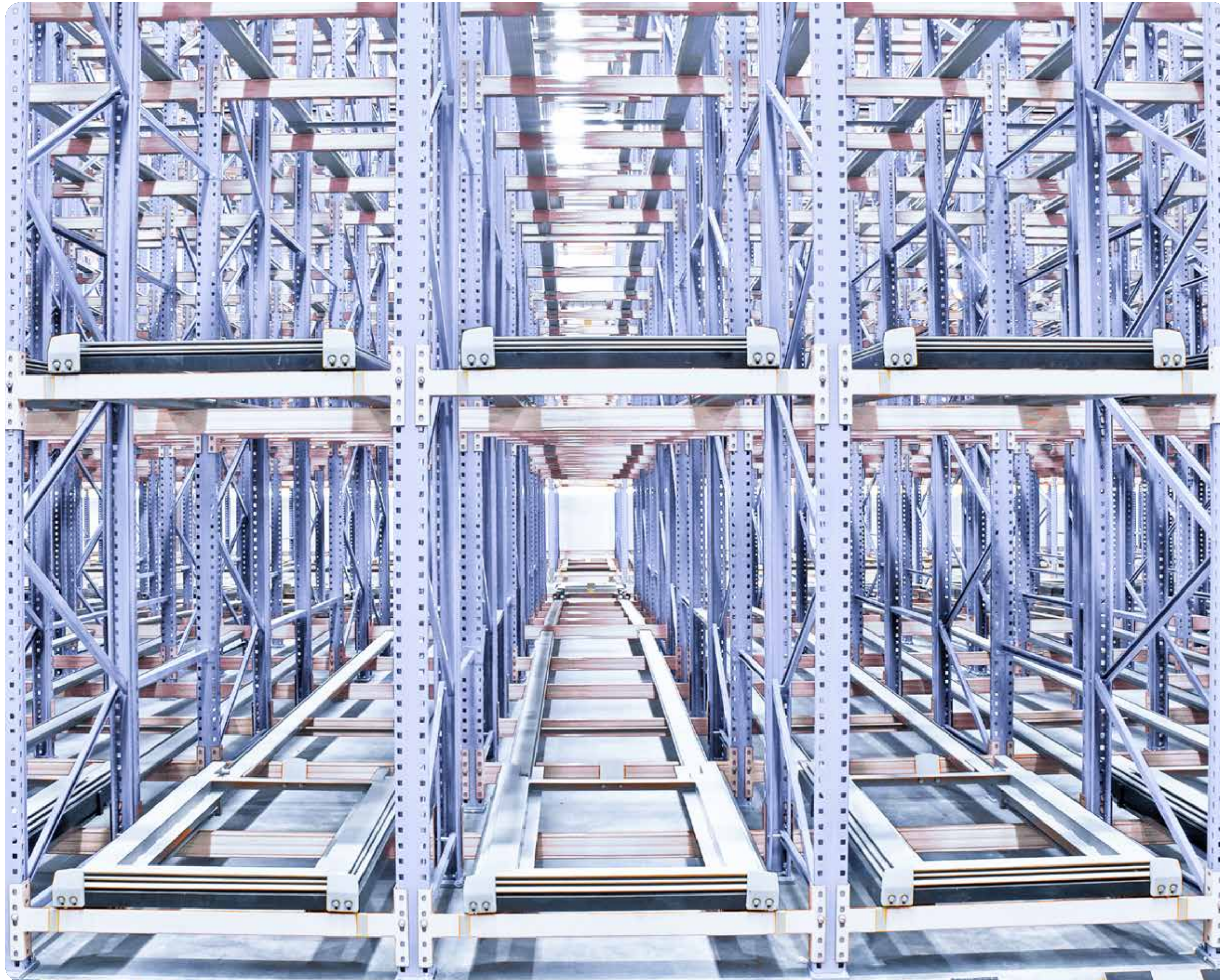
Automatic truck loading system

Our automated truck loading system speeds up logistics, **reduces downtime and labor costs**, enhances safety, and ensures efficient, damage-free material handling with tailored solutions.



Storage **systems**

01.



Smartlogistix optimizes space and secure access with advanced, customizable solutions for efficient storage.

- ✕ **Floor storage**
- ✕ **Drive-in storage**
- ✕ **Single depth storage**
- ✕ **Multi-depth storage**
- ✕ **Gravity storage**
- ✕ **Compactable storage**



Automated **warehouse**

02.



Smartlogistix offers automated warehouses for efficient **storage, high productivity** and advanced management integration.

Stacker crane

Single depth (very high performance and high number of SKUs)
Double depth (excellent combination between performance and different SKUs)
Multi-depth (very high density of storage)

Multi level shuttle

Multi-depth systems with Mother Shuttle + Shuttle
(high performance and high storage density)

Automatic cranes for storage

Multi-depth systems (maximum volume utilization)



Automatic truck **loading system**

03.



Smartlogistix automates freight loading, reducing time, costs and errors for efficient and safe logistics.

Standard truck (AGV)

Smartlogistix's standard trucks ensure efficient, automated material handling, optimizing intralogistics with precision, safety, and seamless integration into workflows.

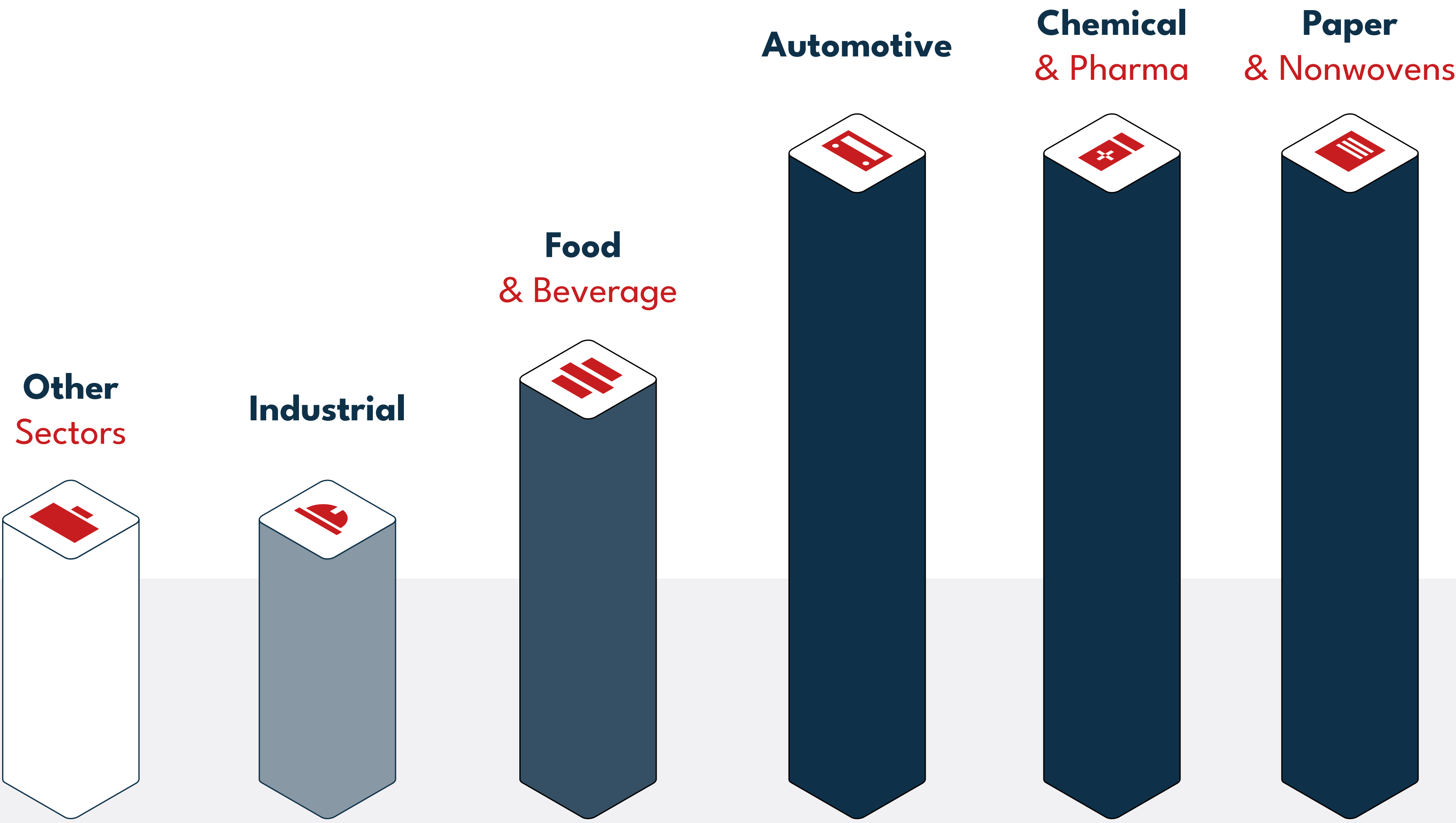
Modified/custom trucks

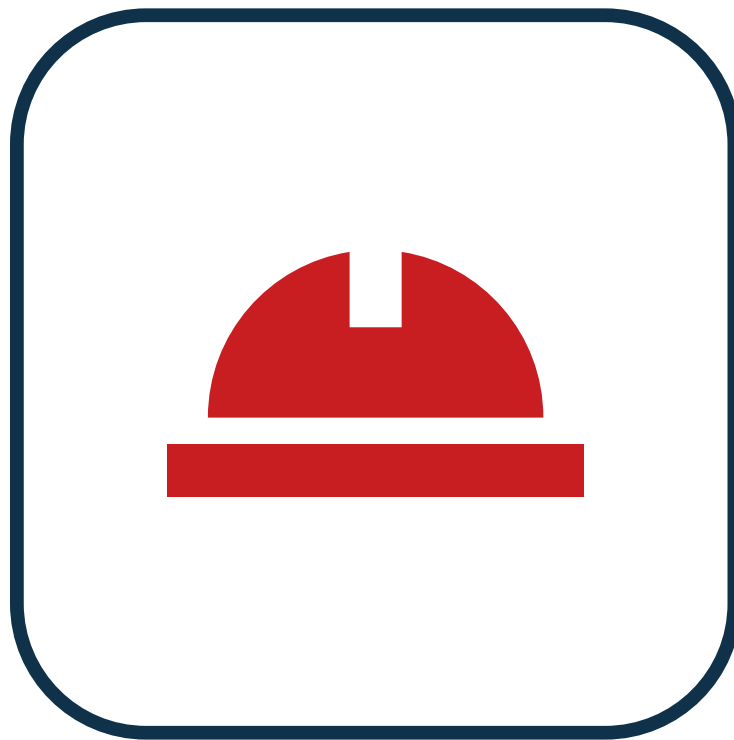
Smartlogistix's custom trucks offer tailored automation solutions, adapting to specific logistics needs for enhanced efficiency, flexibility, and seamless integration.

Focus



Intralogistics **fact & figures**





Industrial

Our integrated solutions, plant revamping, and adoption of Industry 4.0 technologies automate and optimize material flow management, improving operational efficiency and ensuring high safety standards while achieving sustainable performance and competitiveness goals.

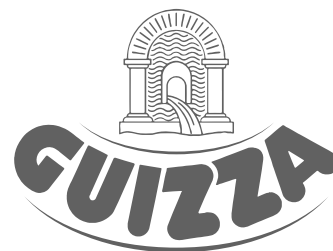




Food & Beverage



With an in-depth experience in the Food & Beverage industry, we offer software solutions and automation systems to optimize business processes, ensure product quality and hygiene, reduce waste, and provide all necessary documentation for validation while ensuring compliance with required standards.





Automotive

Specializing in robotics and motion control, manufacturing software, and design 4.0, our solutions are designed to improve the efficiency of manufacturing processes by integrating innovative technologies that optimize management and automate operations throughout the value chain.



CATERPILLAR



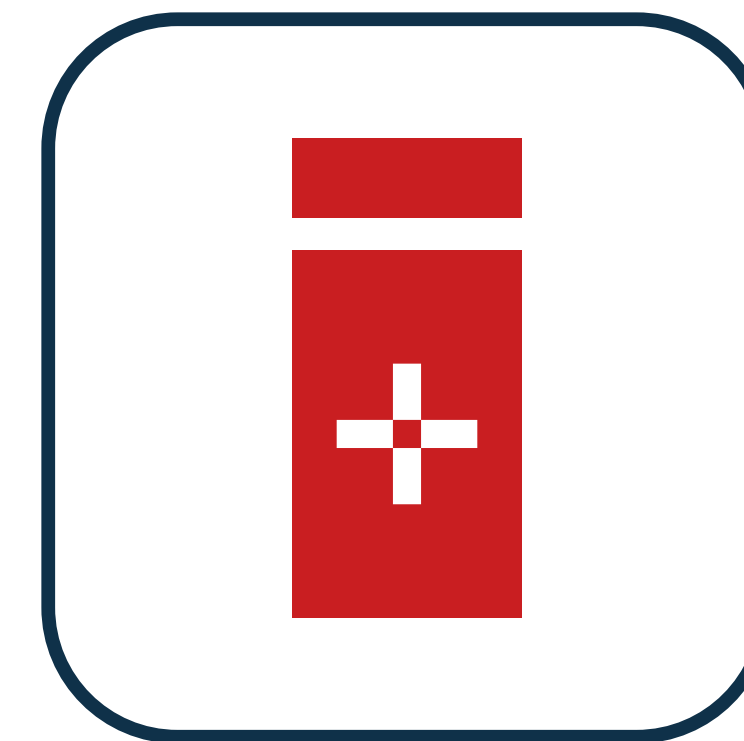
DENSO

DAYCO®

BRIDGESTONE

YOKOHAMA

Chemical & Pharma



In the chemical and pharmaceutical sectors, we offer advanced solutions that include temperature-controlled storage, GMP compliance, and anti-contamination systems. These solutions ensure regulatory compliance, improve safety, and optimize business processes while ensuring product quality.





Paper & Nonwovens

Thanks to a vast experience in the paper, tissue and nonwoven industry, we design and implement solutions for automated packaging, reel handling, virtual labeling and integrated end-of-line systems. We also offer solutions for AGV fleets and automated warehouse systems.



fitesa

* Kimberly-Clark

PFN



P&G
Procter & Gamble

Conclusions



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Reference

Nome Cognome

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