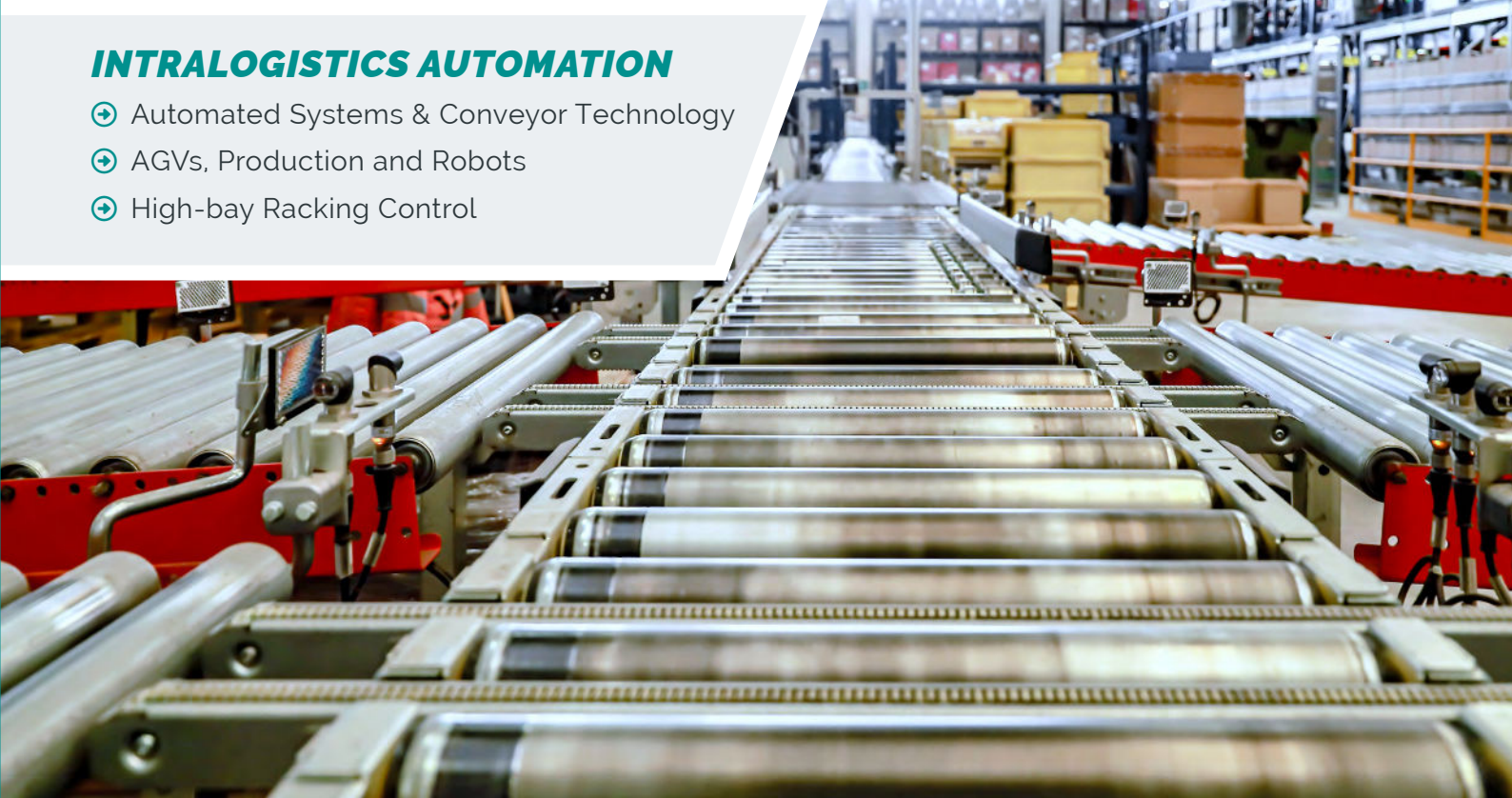


MATERIAL FLOW SYSTEM

INTRALOGISTICS AUTOMATION

- ➔ Automated Systems & Conveyor Technology
- ➔ AGVs, Production and Robots
- ➔ High-bay Racking Control



EXCELLENCE IN WAREHOUSE MANAGEMENT

MATERIAL FLOW SYSTEM

INTELLIGENT CONTROL OF AUTOMATED SYSTEMS

Our **Material Flow System** organises your automated systems and all conveyor technology, seamlessly integrating them into the **RELAG®-System**.

It coordinates individual components such as cranes, shuttles, stacker cranes and storage lifts, as well as complex overall processes – right down to the precise delivery of materials to production machines.

APPLICATION POSSIBILITIES

The **Material Flow System** integrates a wide variety of solutions, including automated small parts and high-bay warehouses, paternoster lifts and vertical lift racks, transfer carts and production machines, as well as picking robots.

Partial automation such as manual order picking processes based on the „goods-to-person“ principle can also be flexibly integrated.

FEATURES AND BENEFITS:

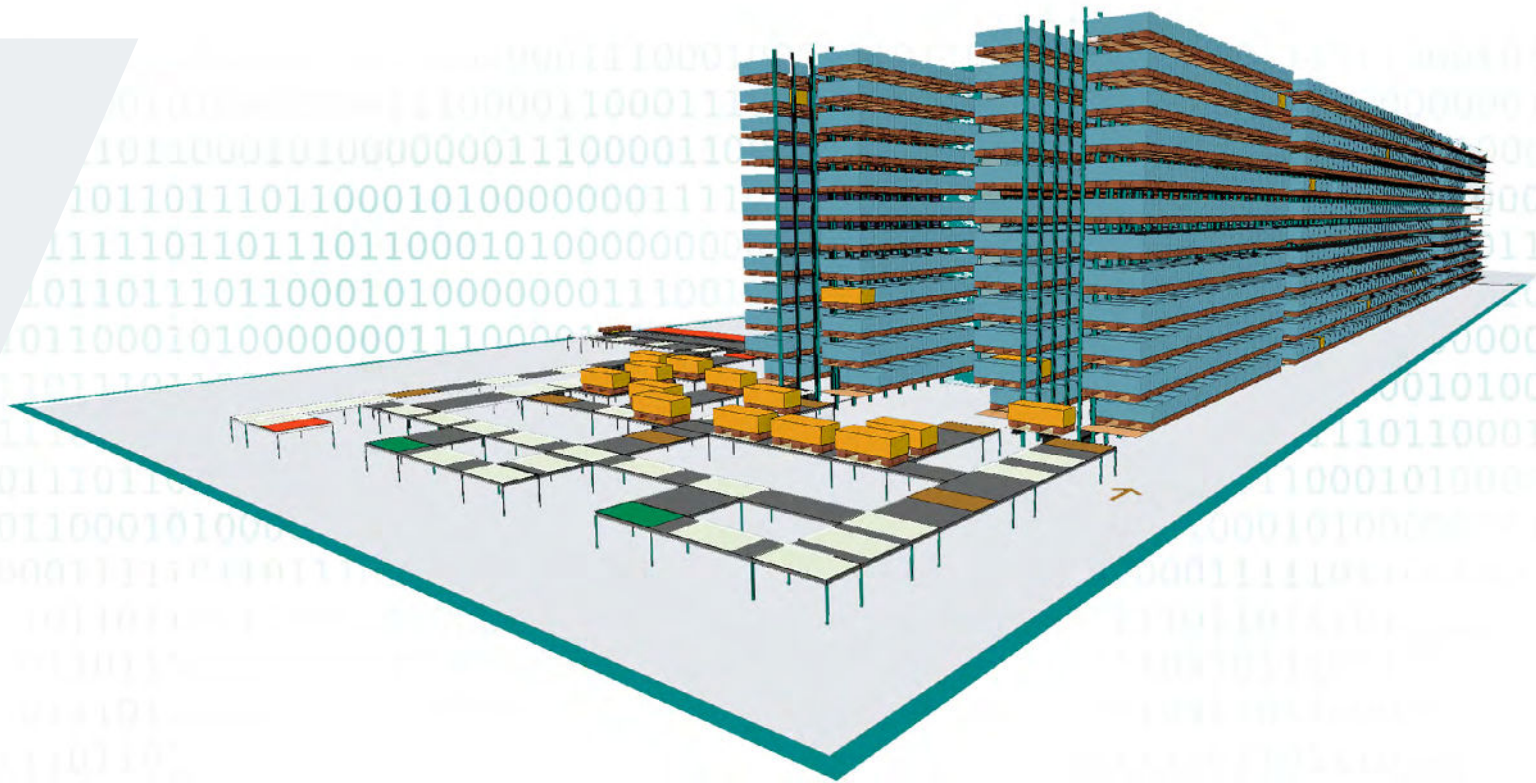
- **Precise control:** Coordination of movements across multiple sections
- **Optimised flow:** Consideration of batch sequences
- **Quality assurance:** Automatic rejection of defective transport units
- **Safety:** Intelligent error handling and emergency processes in case of system malfunction
- **Real-time communication:** Direct data exchange on **PLC** level and with machines
- **Flexibility:** Standardised interfaces to numerous vendors
- **Experience:** Decades of practical experience with established software

REAL-TIME VISUALISATION

Keep a live, efficient, and intuitive overview of your production. See every movement and status in real time in **2D and 3D**.

- **Full control:** Transports and routes always in view
- **Intuitive & interactive:** Color coding and animations make processes immediately understandable
- **Rapid response:** Manual intervention in case of malfunction is possible directly via the control room





APPLICATION EXAMPLES

Successfully deployed for over 20 years with new and existing customers:

- **Automotive Industry:** Control of automated high-bay warehouses including conveyor technology
- **Retail & Medical:** Control of vertical lift storage systems for efficient order picking
- **Wood Industry:** Control of fully automated picking robots





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INTRALOGISTICS SOLUTIONS:

- ➔ Warehouse Management
- ➔ Forklift Guidance Systems
- ➔ AGV Control
- ➔ Order Picking Control Systems
- ➔ Material Flow Optimisation
- ➔ High bay racks
- ➔ 3D Visualisation



OUR CUSTOMERS

