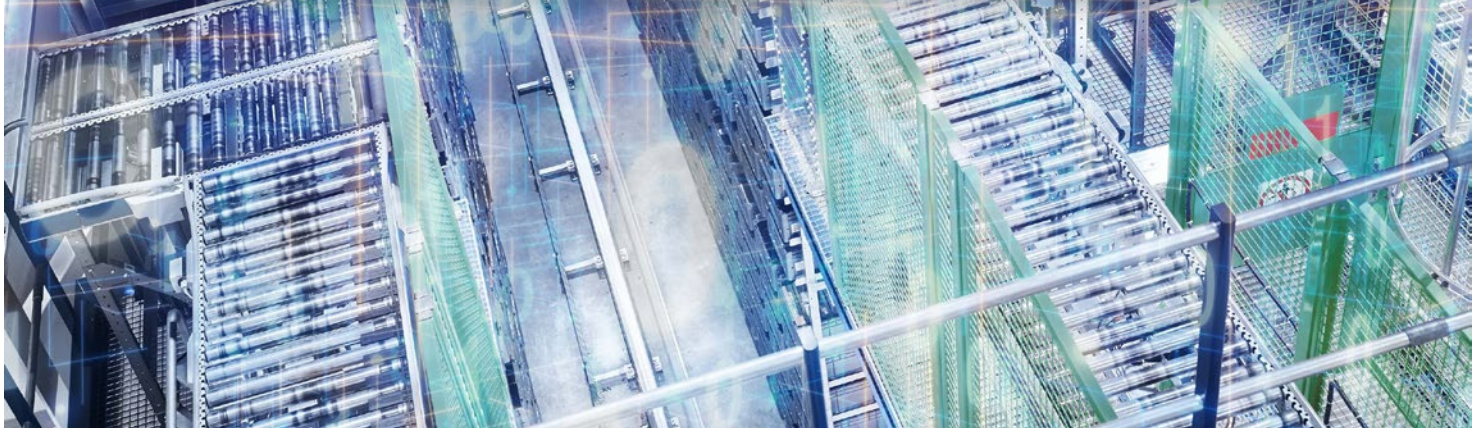




EPG ONE™

WAREHOUSE CONTROL SYSTEM (WCS)

The complete solution for connected warehouse automation



EPG ONE™ Warehouse Control System

- ✓ Vendor agnostic connectivity
- ✓ Easy integration with any WMS
- ✓ Custom configurability
- ✓ Greenfield and retrofit scalability
- ✓ Integrated 2D and 3D visualization
- ✓ Digital twin of your warehouse automation systems
- ✓ Full functionality on-premises or in the cloud (EPX)

One Unified System for Material Flow

Simplify and strengthen with a single system for powerful warehouse workflows. The EPG ONE™ Warehouse Control System (WCS) empowers operations with a unified platform for full visibility and control over automated logistics systems – regardless of which manufacturer made them. EPG blends experience with innovation. With over 35 years of practice in automation, we offer a complete solution that manages, controls, and coordinates all aspects of automated material flow. Integrate with any WMS – EPG's LFS or otherwise – for flexible control, dynamic visualization, and easy emulation of your day-to-day processes.

Simplified Control, Maximized Productivity

WCS adapts to your existing infrastructure. The material flow control tool hosts an open interface for all automated systems, integrating any software platform and any hardware. Compatible with every provider, we give you the flexibility to choose the products that best align with your goals. By continuously collecting and analyzing movement data and KPIs, WCS optimizes workflows for economic efficiency.



Adaptability for Greenfield or Retrofit Projects

Choose whether to outfit a brand-new installation or revamp your existing environments with WCS. When you build a new logistics center, we're with you every step of the way to coordinate a holistic WCS interface for your selected systems. When you upgrade your warehouse, we ensure a smooth transition, connecting our WCS to your existing technology while ensuring your system remains fully functional during the migration.



Visualization Down to Every Detail

Use the integrated 3D visualization solution to get an immersive view inside your warehouse – even before you launch. The software visualizes all material flows – including rack and shelving systems – in two and three dimensions, ensuring your integrated technology functions harmoniously with all parts of the system. Find inefficiencies in real time and troubleshoot faster with full visibility. Before you implement new technologies we ‘model’ your systems and design the optimum material flow using our emulation tool.

When paired with EPG’s warehouse management system (LFS), the benefits multiply – reducing hardware investment costs and opening opportunities to use EPG’s private cloud solutions – but EPG’s WCS pairs with any WMS or host system.

Standard functions of WCS

Core Capabilities

- ✓ Coordinate load units
- ✓ Control automation processes
- ✓ Configure disparate material handling equipment
- ✓ Order/sequence handling
- ✓ Analyze material flow
- ✓ Monitor system statuses
- ✓ Review scanner statistics
- ✓ Detect and correct errors

Visualization

- ✓ Full system view in 2D/3D
- ✓ Multi-level handling
- ✓ Overview of all decision-making points
- ✓ Real-time visualization of active load units
- ✓ Error handling – link to operative control systems

Emulation

- ✓ What-if scenario analysis
- ✓ Full system view in 2D/3D
- ✓ Support for virtual commissioning
- ✓ Validation of configuration
- ✓ Manual generation of errors
- ✓ Scenario Generator & Player – create and execute test scenarios