EPG® ONE™

WAREHOUSE CONTROL SYSTEM (WCS)

The complete solution for connected warehouse automation

EPG ONE™ Warehouse Control System

- ✓ Vendor agnosticism
- ✓ 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

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 precise emulation of your 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.

EPG® | Ehrhardt Partner Group

Smarter Connected Logistics™

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 and enabling a quick deployment.

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 conveyor 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.

Functions of WCS

Core Functionalities

- Coordination of automated systems
- Navigation of load units
- Order and sequence handling
- Transport monitoring
- Status monitoring
- Error Handling
- Scanner Statistics

Visualization

- Fully integrated 2D/3D
- Multi-level handling
- Status monitoring
- Graphical tracking of active load units
- Error handling

Emulation

- Digital twin of the system
- Full system view in 2D/3D
- Support for virtual commissioning
- Scenario Generator & Player – create and execute test scenarios

EPG® | Ehrhardt Partner Group

Smarter Connected Logistics™

epg.com