WAMAS Emulation Center – Emulation for Automated Warehouses

The WAMAS Emulation Center is an advanced software solution that digitally maps complex, automated warehouses. Once installed in a test server environment, it enables realistic operation of the WAMAS software, emulates the PLC control of the warehouse and reproduces actual system behavior with the maximum possible accuracy.

Unlike traditional simulation, which is restricted to model-based behavior of the system, the WAMAS Emulation Center replicates all the relevant hardware and software components, creating an accurate test environment. This produces test scenarios that authentically reflect how automation, system logic and control interact.

Test and optimize:

- Varying order structures
- Changing item master data
- Adjusted warehouse parameter settings in WAMAS
- Tests with high order
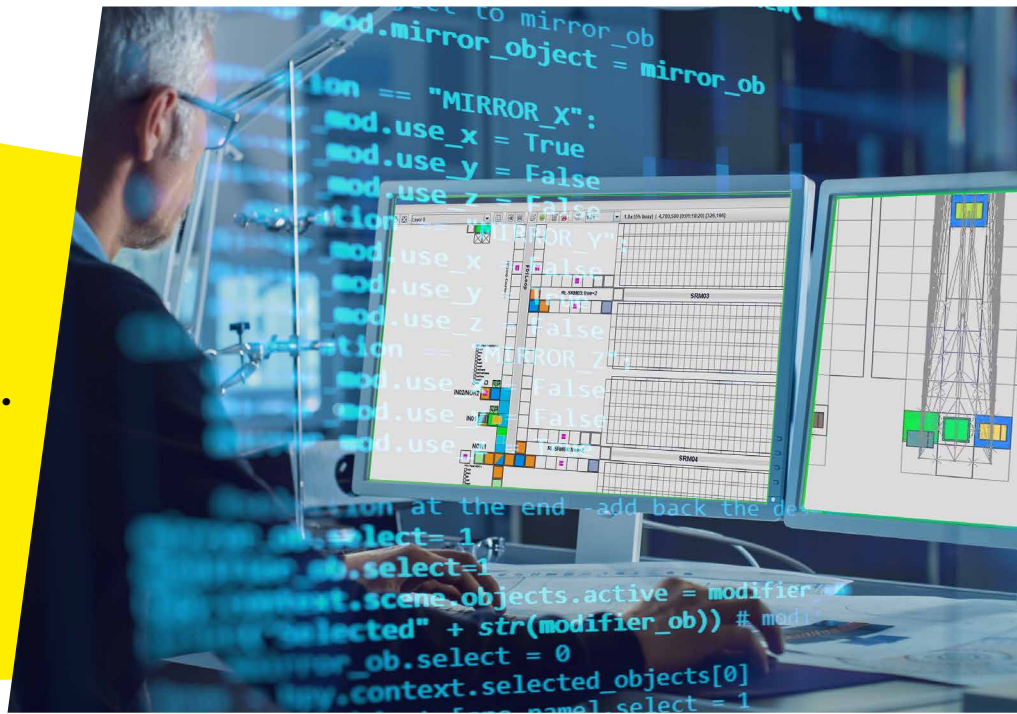- Identification and eliminaztion of bottlenecks

Benefits at a glance:

- **Holistic test scenario:** Enables true end-to-end testing of all warehouse processes – from goods-in to goods-out.

- **Safety and quality:** Comprehensive performance and stability tests that ensure reliable and authentic results across all systems.

- **Reduced risks and costs:** Downtimes are reduced, processes are optimized and ongoing operation remains unaffected. This enables the company to increase its ROI in a sustainable way.

- **Full functionality:** All of the functions of the live system – including the manual interactions with the installation – are available in a secure virtual test environment.

- **Maximum transparency:** Loading units can be located in real time via their barcodes – for full transparency across all goods movement and transport processes.

- **Higher system availability through proactive testing:** Thorough testing before use in the production environment makes operation more stable and significantly improves system availability.

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Risk-Free Software Updates

The WAMAS Emulation Center can be used for comprehensive testing of software updates and new releases in a virtual environment – before they are transferred to the live system. This helps you ensure that all changes will be integrated smoothly, without interrupting ongoing operations.

True end-to-end testing of all warehouse processes – from goods-in to goods-out.

Practical training for warehouse staff

You can train your staff directly within the WAMAS Emulation Center – in a secure test environment with realistic system behavior. Practical training not only boosts your employees' expertise but also their motivation and confidence in using the logistics system.

WAMAS®