

ZIEDER WAREHOUSE CONTROL SYSTEM (WCS): THE FUTURE OF SMART WAREHOUSING

REAL-TIME INTELLIGENCE, SEAMLESS AUTOMATION, AND UNPARALLELED EFFICIENCY



PRODUCT OVERVIEW

Zieder WCS is an intelligent, robust solution designed to transform your warehouse operations by integrating advanced robotics, real-time communication, and cutting-edge automation technologies. From drones for inventory monitoring to AGVs and AMRs for seamless material handling, Zieder WCS ensures optimal efficiency, flexibility, and scalability for modern warehousing.

KEY FEATURES:

AUTOMATED HARDWARE INTEGRATION:

Integrates effortlessly with AGVs, AMRs, drones, conveyors, AS/RS, pick-to-light systems, and more.

REAL-TIME CONTROL:

Use MQTT, OPC UA, and REST APIs for real-time, uninterrupted communication and control over all warehouse hardware.

DYNAMIC TASK ALLOCATION:

Execute complex sequences and dynamically allocate tasks based on real-time data, ensuring smooth and uninterrupted operations.

COMPREHENSIVE MONITORING:

Access a centralized dashboard for real-time monitoring, receive alerts and notifications, and implement fast error-handling procedures.



MAXIMIZE EFFICIENCY WITH ZIEDER WCS: AUTOMATION REDEFINED

REVOLUTIONARY SOLUTIONS FOR EVERY WAREHOUSE

DRONE-BASED INVENTORY MONITORING

Leverage drones for real-time inventory tracking and cycle counting. Zieder WCS integrates drones—either in standalone mode or tethered to AGVs—offering continuous inventory updates, precision scanning, and synchronized operations.

KEY BENEFITS

- Real-time data synchronization with WMS for accurate reporting.
- Autonomous navigation with obstacle avoidance for safe operations.
- Environmental monitoring capabilities ensure optimal warehouse conditions.



ADVANCED FLEET MANAGEMENT

Optimize AGV and AMR operations with intelligent fleet management tools. From route planning to traffic management and resource allocation, Zieder WCS ensures your robotic workforce is always working efficiently.

KEY BENEFITS

- Path optimization for minimal travel time.
- Dynamic resource allocation based on real-time conditions.
- Seamless integration with AGVs, AMRs, and conveyors.



REAL-TIME CONTROL & DATA ANALYTICS

With Zieder WCS, gain complete control of your warehouse operations with real-time monitoring, robust analytics, and actionable insights.

KEY BENEFITS

- Centralized dashboard for real-time visibility.
- Real-time alerts and notifications for faster problem resolution.
- Detailed analytics on equipment utilization and system performance.



READY TO REVOLUTIONIZE YOUR WAREHOUSE OPERATIONS WITH ZIEDER WCS? CONTACT US TODAY TO LEARN HOW WE CAN HELP YOU ACHIEVE UNMATCHED EFFICIENCY AND SCALABILITY.

CONTACT US

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