

DXC AI Smart Warehouse AGV for SAP BTP

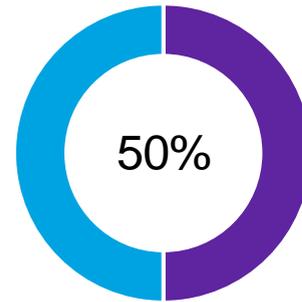
Smart Warehouse – Extended Warehouse Management integration with Automated Guided Vehicles



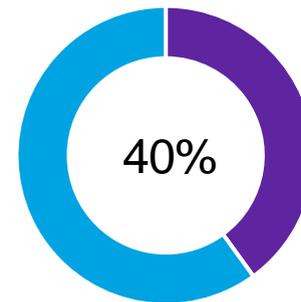
Solution Overview

The demand for warehouse automation solutions has become increasingly vital due to the rapid growth in Business and the need for faster, more efficient order fulfillment. DXC Smart Warehouse solution leveraging SAP BTP for Integrating SAP EWM and robotic picking systems, automated guided vehicles (AGVs), and advanced conveyor belts, warehouses can significantly boost their operational efficiency. The solution reduces processing and dispatch times, minimize human errors, and lower labor costs. Automation ensures consistency and speed, crucial in today's market, and provides the scalability needed to adapt to fluctuating demands and seasonal surges. The integration of AI and machine learning into warehouse automation further enhances this solution by enabling predictive analytics for superior inventory management and supply chain optimization. Ultimately, adopting warehouse automation is not just a trend but a strategic move to meet increasing consumer expectations and maintain a competitive edge in the global marketplace.

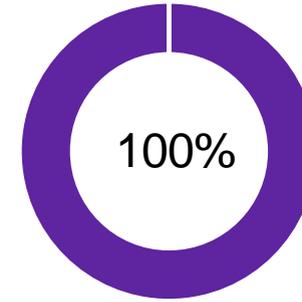
Customer benefits realized



Up to **50%** reduction in operational costs



40%+ improved speed to market



100% compliance

Business Benefits

Inventory Optimization

Smart warehouse and AGV integration enables real-time visibility and tracking of inventory levels. This allows businesses to accurately monitor stock levels, plan for replenishment, and minimize stockouts or overstocks. Automated inventory management systems also facilitate efficient space utilization, ensuring goods are stored in the most appropriate locations, thereby maximizing warehouse capacity and reducing wasted space.

Reduced Labor Costs

Integrating AGVs into warehouse operations reduces the need for manual labor in tasks such as transporting goods between locations or picking items for orders. This results in reduced labor costs and allows businesses to allocate resources to more value-added tasks. Additionally, AGVs can operate around the clock, leading to improved productivity and faster order processing times.

Order Fulfillment

AGVs can be programmed to autonomously pick, pack, and transport items within the warehouse. By integrating AGVs with Smart warehouse, businesses can effectively manage order fulfillment processes through automated picking and packing operations. This not only speeds up order processing but also reduces the likelihood of errors and improves order accuracy. Real-time inventory data from Smartwarehouse enables AGVs to retrieve items in the most efficient manner, improving order cycle times..

Enhanced Safety and Security

AGVs are equipped with advanced sensors and obstacle detection systems, ensuring safe navigation within the warehouse environment. By integrating AGVs with Smart warehouse, businesses can implement additional safety measures, such as real-time monitoring of AGV movements and automated collision avoidance systems. This significantly reduces the risk of accidents, injuries, and damages to goods and equipment.

Features

- Seamless Integration with SAP S/4 HANA EWM
- Real-time tracking and monitoring of the movement and location of goods within the warehouse
- Efficient Warehouse Operations
- Autonomous material handling
- Enhanced Safety and Security
- Data-driven decision-making

Solution components

- SAP S/4HANA Cloud Private Edition
- SAP ERP, private edition
- SAP Build Process Automation
- SAP Integration Suite
- Azure OpenAI, Cognitive Services
- SharePoint, Knowledge Portals

SAP® Business Technology Platform

SAP S/4 HANA

Azure

Contact us to learn more.



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