

Smarter technology for all

Lenovo

Warehouse Execution System (WES)

Revolutionizing Logistics with Lenovo WES – Smarter Coordination for Maximum Efficiency

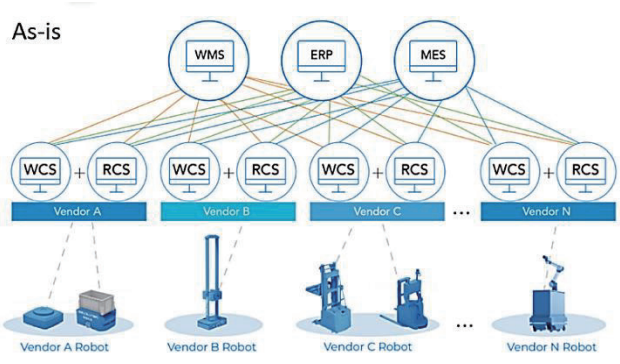
Inefficient warehouse operations often result in delays, disruptions, and higher costs, especially in complex manufacturing environments. Lenovo's Warehouse Execution System (WES) offers an intelligent solution to streamline logistics and maximize productivity. Acting as a centralized gateway between your Warehouse Management System (WMS) and Warehouse Control System (WCS), Lenovo WES delivers real-time visibility, actionable insights, and AI-powered analytics that optimize workflows and eliminate inefficiencies. With Lenovo WES, businesses can achieve smarter, more agile operations, ready to meet the demands of modern logistics.

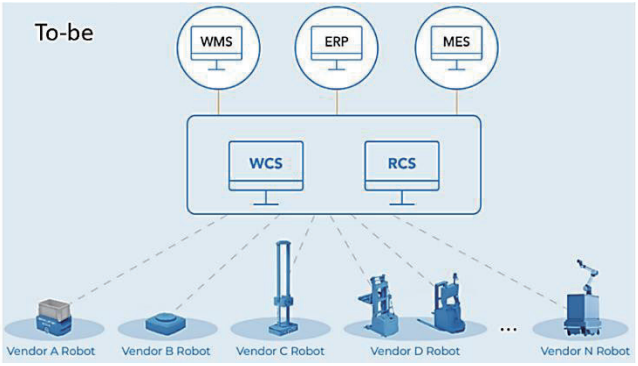
Lenovo Manufacturing Solutions

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System Configuration





Main Advantages

Efficiency Gains:
Improve operational efficiency by over 10% with AI-powered analytics, optimized workflows, and reduced robotics management efforts, driving measurable productivity improvements.

Cost Savings:
Reallocates manpower from repetitive tasks to higher-value responsibilities, reducing labor costs, improving workforce satisfaction, and enabling smarter resource utilization.

Rapid Response Capability:
Instant alerts for operational exceptions enable faster issue resolution, minimizing downtime and keeping operations on track.

AI-Driven Optimization:
Advanced algorithms dynamically optimize task scheduling, inventory allocation, and traffic control strategies, reducing inefficiencies and enhancing logistics performance.

Seamless System Integration:
Acts as a centralized hub between WMS and WCS, ensuring smooth coordination and eliminating manual bottlenecks across systems and workflows.



Transforming Warehouse Efficiency with Smarter Automation

Lenovo WES serves as the backbone of smarter logistics, connecting and coordinating warehouse systems to deliver real-time tracking and actionable insights. The system provides a comprehensive overview down to the equipment level, enabling businesses to proactively identify and resolve errors before disruptions occur. By streamlining workflows and enabling systematic exception handling, Lenovo WES ensures smooth, uninterrupted operations while maximizing productivity.

AI-Powered Optimization for Smarter Logistics

Lenovo WES leverages advanced AI technologies to refine logistics processes and optimize warehouse operations. By analyzing real-time data, the system autonomously calculates traffic control strategies, prevents deadlocks, and dynamically adjusts workflows to match demand fluctuations. From inventory allocation to task scheduling, WES ensures smarter collaboration between human workers and robotics, delivering measurable efficiency gains and seamless operational throughput.

Use Cases

Optics Manufacturing:
Lenovo WES was deployed to resolve challenges like inefficient manual logistics and delayed information flow, integrating mobile robots from multiple vendors to automate material handling tasks. The solution boosted production flow efficiency by 50%, reallocated 90% of manpower to higher-value tasks, and enhanced human-machine collaboration.

Manufacturing Facilities:
Optimizes logistics for complex environments, ensuring smooth coordination between systems, faster response to operational issues, and improved overall efficiency.

High-Volume Warehousing:
Provides real-time visibility into logistics workflows, inventory allocation, and task scheduling, reducing inefficiencies and enhancing throughput during fulfillment.

Key Features

- **Real-time data integration**

The WES serves as a centralized data hub, integrating real-time data between WMS, WCS, robots, and equipment for complete operational visibility.

- **Comprehensive analytics and reporting**

Holistic dashboards provide data-driven insights into warehouse KPIs. Gain transparency into productivity, exceptions, and more to optimize operations.

- **Intelligent exception handling**

Get instant alerts for errors and disruptions. The system isolates failures and enables rapid response to minimize downtime.

- **Advanced AI and algorithms**

Leverage predictive analytics and AI-powered tools to boost warehouse productivity by over 10%. Continuously improve and refine processes.

- **Easy integration and configuration**

Seamlessly connect with existing warehouse management systems. Efficiently configure maintenance workflows for diverse automation equipment.

- **Optimized warehouse control**

Orchestrate and synchronize automated systems for maximum efficiency. Intelligently manage robotics and operations for smarter logistics.

Smarter logistics maximizes productivity. The WES optimizes your warehouse operations with real-time data, intelligent automation, and AI-powered analytics.



Lenovo's global strength

180
Markets

10M+
Order lines per year

1B+
Global customers

120M+
Shipments

30+
Global manufacturing sites

2000+
Suppliers

>$160M
Digital transformation investment

18
R&D locations worldwide

69.5K
People



Lenovo ranks 5th in the Gartner® Supply Chain Top 25 for 2026 report



World Economic Forum's Global Lighthouse Network



TITAN Business Awards



BIG Awards for Business - Product of the Year



GOLD GLOBEE® AWARDS

Embrace Smarter Logistics with Lenovo WES

Lenovo's Warehouse Execution System transforms warehouse operations with AI-powered coordination, actionable insights, and seamless system integration. By unlocking greater efficiency, productivity, and agility, Lenovo WES empowers businesses to meet the demands of modern logistics while reducing costs and effort. Future-proof your operations today with Lenovo WES and take the next step toward smarter warehouse management!

Contact us today to discover how Lenovo Manufacturing Solutions can bring the future of manufacturing to you.
Learn more on:
https://www.lenovo.com/manufacturing

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