MECALUX
Software Solutions



Warehouse Execution System (WES)

Dynamic task management and resource orchestration to achieve peak performance

A warehouse execution system (WES) is an advanced software solution designed to optimize operations within automated warehouses. It ensures seamless task and resource synchronization, aligning material handling equipment (MHE), robotics, and employee workflows to deliver operational continuity and enhance overall throughput.

Interlake Mecalux offers advanced WES capabilities natively integrated into Easy WMS — its industry-leading warehouse management system — providing a unified software platform that enables the perfect orchestration of automated facilities. In today's fast-evolving logistics landscape, increased automation and omnichannel commerce are reshaping supply chains. Against this backdrop, WES software has become an essential tool for driving efficiency. It empowers warehouses to reach superior performance amid rising operational complexity and fluctuating demands.

Benefits

- **Intelligent orchestration**
Interlake Mecalux's warehouse execution system provides comprehensive control over warehouse operations and complex intralogistics environments. This software maximizes resource efficiency and fosters seamless collaboration between humans and machines,from manual MHE to complex robotics.

- **Real-time adaptability**
Task prioritization enables dynamic workflow readjustments to manage critical operations. This flexible and proactive approach optimizes order fulfillment, allowing warehouses to swiftly adapt to demand fluctuations and emerging priorities without compromising productivity or availability.

- **Enhanced throughput**
By optimizing resource allocation, task sequencing, and workflow synchronization, the warehouse execution software drives operational efficiency and improves overall warehouse performance.

- **Scalable automation**
Flexibility in integrating new automation and robotic solutions supports the adoption of modular and progressive automation processes. This adaptability enables businesses to grow and evolve.



The WES system that unleashes superior performance in automated warehouses









Workflows and resource allocation

Optimized task distribution for uninterrupted operations

Interlake Mecalux's WES system streamlines workflows and resource assignments through advanced task allocation capabilities, considering critical factors such as priority and availability. It guarantees the right resources are deployed to the right tasks at the right time, improving overall workflow fluidity.

Task management

Smart task prioritization with adaptive responsiveness

WES software orchestrates task execution by introducing advanced prioritization capabilities that enhance operational effectiveness.If unexpected requirements arise, Interlake Mecalux's WES reprioritizes tasks proactively, reorganizing resource allocation and pending tasks to address shifting demands and operational constraints.

Picking optimization

Intelligent picking orchestration for seamless fulfillment

Easy WES boosts order fulfillment by streamlining picking operations across automated, semi-automated, and manual processes. It leverages real-time evaluation of ongoing activities, operational demands, and inventory availability to align picking decision-making with task prioritization and resource allocation. This approach maximizes accuracy and speed in order fulfillment while minimizing errors and delays.

Advanced data analytics

Actionable data intelligence for complete transparency

The analytics capability features a comprehensive set of reporting tools and interactive dashboards with configurable alerts. It delivers strategic insights that empower companies to make data-driven decisions, maximizing resource utilisation and increasing productivity.

Why choose Mecalux Software Solutions?

60+ years of experience in warehousing solutions, with operations in **70+ countries**

500+ engineers exclusively dedicated to developing logistics and supply chain software

1,200+ facilities in **36 countries** managed with Mecalux software solutions

Software continuously developed and updated through major R&D investments

Multilingual technical support available **24/7**, **365 days** a year

Gartner

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