

# Warehouse Execution System (WES)

Real-time orchestration for the modern, highly automated warehouse



## When Warehouse Complexity Becomes a Business Constraint

Warehouses have evolved from static storage facilities into highly dynamic execution environments at the center of today's supply chains. Automation, robotics, value-added services, labor volatility, and increasing service expectations have transformed warehouse operations into complex ecosystems that must respond in real time.

As this complexity grows, traditional warehouse systems struggle to keep pace. Static processes, limited execution visibility, and disconnected automation technologies make it difficult to balance throughput, labor efficiency, and service level commitments.

IFS Softeon Warehouse Execution System (WES) enables organizations to orchestrate warehouse operations in real time - bringing control, visibility, and adaptability to even the most complex fulfillment environments.

## The Challenge: Orchestrating Execution in a Dynamic Warehouse

Modern warehouses face execution challenges that cannot be solved by planning systems or warehouse management alone:

- Limited real time visibility into throughput and execution bottlenecks
- Labor and automation resources not aligned with operational priorities
- Difficulty adapting execution flow to demand variability and cut off times
- Sub optimal picking and task execution across technologies
- Inconsistent utilization of material handling equipment
- Growing operational risk as automation and complexity increase

Without an execution layer that can coordinate people, processes, and automation in real time, warehouses struggle to maintain productivity and service reliability at scale.

## Organizations using IFS Softeon WES can:



**Increase warehouse throughput and productivity** - Optimize execution flow by dynamically balancing work across people and automation.



**Improve on-time performance and SLA adherence** - Release and prioritize work based on service commitments and cut-off times.



**Enhance real-time operational visibility** Identify bottlenecks and execution issues as they occur - not after the fact.



**Optimize labor and automation utilization** - Align resources to demand through intelligent task orchestration.



**Reduce execution risk in automated environments** - Maintain control and stability as warehouse complexity increases.

## Real-Time Execution Control at the Heart of Warehouse Operations

IFS Softeon Warehouse Execution System acts as the central orchestration layer within the warehouse. It continuously monitors execution conditions and dynamically directs work across labour and automation to optimize throughput and service performance.

Closely integrated with Softeon Warehouse Management System (WMS), WES coordinates order release, task prioritization, and execution flow based on real-time conditions and business commitments. By synchronizing systems, technologies, and resources, WES ensures warehouse operations remain responsive, balanced, and efficient - even as conditions change throughout the day.

## Enterprise-Proven Warehouse Execution Expertise

IFS Softeon brings decades of experience optimizing warehouse and fulfillment operations across industries. Trusted by leading organizations, Softeon solutions are designed to support high-volume, mission-critical warehouse environments where execution precision and adaptability are essential.

Built with a modular, configurable approach, IFS Softeon WES supports diverse warehouse strategies without forcing a one-size-fits-all execution model.

## Designed for Continuous Adaptation

Warehouse conditions change hour by hour - order volumes fluctuate, resources shift, and disruptions occur without warning. IFS Softeon WES is designed to continuously adapt by reassessing execution priorities and directing work in real time.

By functioning as an execution intelligence layer rather than a static process engine, WES enables warehouses to remain resilient, responsive, and prepared for future operational complexity.

## Core Capabilities

IFS Softeon Warehouse Execution System provides enterprise-level execution capabilities including:

- Real-time visibility into warehouse throughput and bottlenecks
- Automated order release based on priorities and service commitments
- Support for wave, waveless, and hybrid execution strategies
- Configurable execution optimization by picking area and technology
- Advanced labour planning supported by simulation
- Direct orchestration of picking subsystems and material handling equipment

Together, these capabilities enable coordinated execution across people, processes, and automation.

## Choose IFS Softeon WES Today

Discover how IFS Softeon Warehouse Execution System can help your organization orchestrate warehouse execution in real time, increase operational resilience, and optimize performance in complex fulfillment environments.

Contact your IFS Account Executive to learn more.