



# Warehouse Management System

Think Synchronization





# Warehouse Management System



## Control your supply chain: catalyze your competitiveness

The performance of your supply chain is key in the pursuit of your strategy to grow and gain market share. In today's economic climate, building a sustainable business depends critically on retaining your competitive edge and delighting your customers. You know that product availability is a must. You also know that the cost of that availability is a core factor in your competitiveness.

In the brave new world of e-commerce, customer satisfaction has two key drivers: product availability and product cost. Inextricably linked, their interdependency often leaves businesses in a Catch-22-situation: holding more stock leads to rising costs as wastage increases due to product expiry or obsolescence. And attempts to square this supply-chain-circle seem doomed to fail. The complex interplay between supply, transport, and inventory means that the solutions to this key challenge are both ambitious and complicated.

## Optimize at all levels with Acteos WMS

Accelerating globalization and the breakneck pace of growth in e-commerce are generating ever more complex supply chains: a new reality that brings with it a logistical need to interrupt product flows more often; from origin - right through to destination.

As a result, matching demand to supply can still be achieved: but it exacts a heavy price in significant time lags. In turn, the issue of inventory has been rapidly forced up the corporate agenda. These days inventory control in all its complexity is a major strategic factor in ensuring high levels of customer satisfaction. Optimizing the vast span of interdependent steps that characterize inventory-holding is now a cornerstone of success for any business competing for clients in world markets.

Tomorrow's Warehouse Management System (WMS) has to move beyond yesterday's comfort zone: dealing solely with inventory, physical space, stock orders and preparing goods for dispatch. A WMS has to be part of the solution; not another element of the problem. It must be capable of managing, controlling, synchronizing and optimizing in real-time; minimizing the time needed to access stock and playing a key role in inventory fine-tuning.

As well as a wealth of functionality, Acteos WMS is designed to work hand-in-hand - in real-time - with the whole of Acteos's SCM suite. In doing so, it takes account of all available options and constraints, continually delivering optimum cost and product availability.

Acteos WMS offers a total solution to the management and control of your warehouse's processes. It works at all levels, giving you full strategic, tactical and operational control over the supply chain. As a result, you'll see the time taken for operations and costs reduce; and your efficiency and ability to work seamlessly with supply chain partners increase.

Acteos WMS was purposefully designed to incorporate the latest data acquisition and transmission technologies. This cutting-edge-capability means it can accelerate a raft of processes for you, including: Auto-ID, RFID, bar codes, and voice recognition. Acteos can manage and optimize the management of a wide range of mechanized equipment too. From conveyors to sorting equipment, and automated warehouses (mini-load, stacker crane (STC) / storage and retrieval machines (S/R)), automated guided vehicles (AGV), pick to light, pick by light, RFID portals, and more.

Whatever the scale and configuration of your activity, Acteos WMS can be tailored for a perfect fit. It offers a seamless solution whether your operations are multi-site, multi-tiered, multi-party, or multi-activity. And it's equally at home in a production or a distribution setting.



## Our approach: Your guarantee

The Acteos approach: both comprehensive and fully modular, is your guarantee that in choosing us you'll be boosting your business with the most powerful WMS on the market. You can rest assured in the knowledge that Acteos's solution was created and developed with one aim only, helping you to achieve your objectives:

- Anticipate, manage, and control all resources in your warehouse
- Minimize stock holding costs
- Improve on-time-dispatch and shipment tracking
- Optimize warehouse-process reaction-times and performance
- Gain the flexibility to respond rapidly to changing priorities or crises
- Seamlessly manage multi-site, multi-tier, multi-party, or multi-activity-operations
- Reduce the time taken for day-to-day operations by marshalling your resources and automating all non-value-adding tasks
- Strengthen and systematize your interactions with couriers, partners, suppliers and clients
- Assure quality and shipment traceability at all levels

## Client Testimonials

We chose Acteos because their solutions offered the best fit with the raft of demanding requirements we have as a global leader in pharmaceuticals. More than anything, successful delivery of the project was driven by the high quality of relationships and collaboration; something that was apparent as soon as feasibility started; and something that continued, consistently, right through to deployment

—**BRISTOL MYERS SQUIBB**

[New-York-based global pharmaceutical group]

Acteos has been working with us since 2004, making sure we achieve clear traceability for all our food products; right down the supply chain: from warehouse to shelf. And they help us make sure we can achieve this to the standards set out by GS1 France; part of the international association of the same name, which designs global standards on the efficiency and visibility of supply chains. We continue to be impressed by the quality of Acteos's software; its genuine real-time capabilities; and the responsiveness of its team to all our needs. With Acteos it's about more than just the quality of their products and services; it's about a long-term partnership: and that's an approach that adds real value to our business.

— **MONOPRIX** [Major French retail chain]

It's a tangible improvement: now we're able to manage our decision making processes in real-time; with all the key information we need right at our finger tips. And the ability to accurately model our operations and optimize resources has allowed us to put in place a new and more effective logistical approach.

—**TRAFIC** [Large Belgium-based consumer goods retailer]

Our new manufacturing tool, and the sheer level of sophistication in terms of management and control that our information system now offers have driven concrete improvements to operations. We've achieved a 42% reduction in our loading times; seen the costs associated with waiting times drop by 83%; and restored Customer Service Levels to 98.9%.

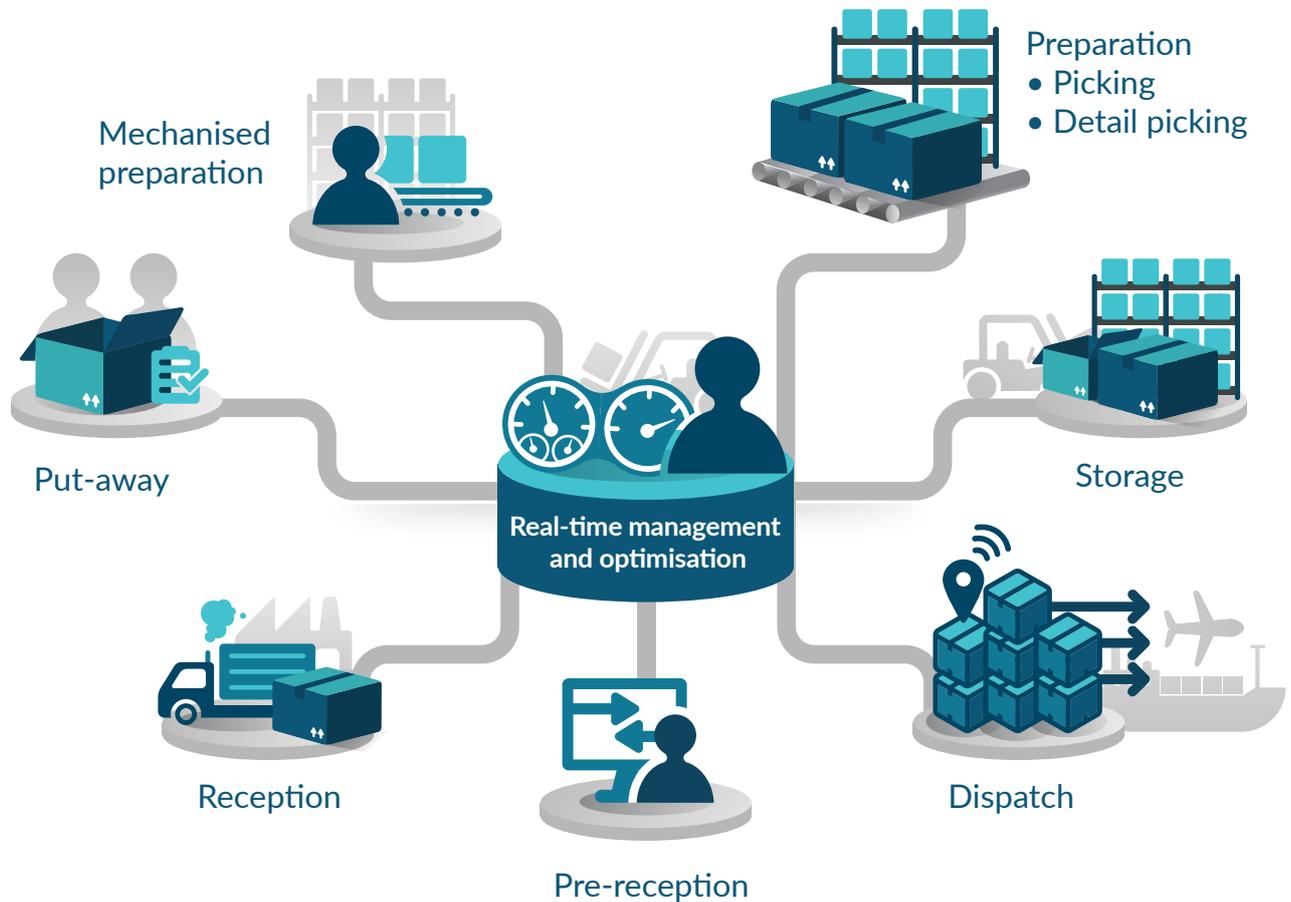
—**PLACOPLATRE, Group Saint-Gobain**

[French market-leader in plaster and insulation products for the construction and domestic sectors]





# Warehouse Management System



## Warehouse Management by Acteos: The Modules

Acteos WMS gives you everything you need to manage and control your goods and resource flows.

Whatever the complexity or configuration of your distribution network - whether it's multi-modal, multi-site, multi-channel, cross-channel or omni-channel - Acteos WMS gives you the tools to manage it, day-in, day-out. And at the same time, you can be confident that costs are being optimized and service quality assured.

Acteos WMS delivers productivity gains in:

- Anticipatory resource planning and optimal utilization

- Optimization of space utilization
- Inventory management
- Traditional and cyclical stock counting

Acteos WMS's management and control solution builds-in advanced algorithms that optimize your production processes and warehouse operations.

Acteos WMS delivers a system that is both modular and integrated. It comprises seven distinct modules that can be housed within Acteos's SCM suite or integrated easily into your company's own information management system, whatever its configuration.





## Your trusted aid to decision-making

Your business should never be faced with having to carry- out a logistical operation that it hasn't already anticipated. That's why Acteos WMS comes with a sophisticated, fully- integrated resource-planning-tool that will act as your trusted aid to decision-making.

### Functionality:

- Anticipatory analysis of operations
- Full integration with transport logistics
- Anticipatory resource planning
- Dynamic operational planning



## Optimize complex reception processes

Receiving operations can be complex. Acteos WMS delivers powerful functionality to optimize your reception processes. It helps maximize the productivity of your reception personnel and minimize the time taken to get goods to your customers.

### Functionality:

- Inbound and outbound transport management
- Pre-receipt activity
- Checking on arrival Identification of goods
- Traceability: Best before date (BBD), Use by date, First in, first out (FIFO), Serial Shipping Container Code (SSCC)
- Quality control and check-lists



## Load & Dispatch

Loading and dispatch are key operations in any supply chain. It's vital that they are closely and accurately controlled to ensure consignment conformity, before onward transportation.

### Functionality:

- Determination of the logistical units to be shipped
- Determination, and control, of loading requirements
- Preparation of consignment and transport documentation / Electronic Data Interchange (EDI)
- Management of packaging operations

# Client Testimonial

We've made huge gains in consignment traceability; not to mention a whole percentage-point gain in Customer Service Levels: up from 98% to 99%; the number of complaints from our customers cut in two; and an entire half-day shaved off the time taken to get our goods out to clients.

—OTIS [World leader in lift and escalator products]



## Inventory and stock control

Inventory control is key to successful supply chain management. It ensures you hold the right volume of stock at the right time. And the information it generates provides vital data that can be used to reduce buffer inventory, ensuring you don't tie-up precious capital.

Stock counting, whether annual or cyclical, while fundamentally an accounting operation, needs to happen in way that is both productive and efficient.

Acteos WMS gives you all the tools you need for inventory control. It allows you to:

- Track inventory levels
- Optimize order placement processes
- Distribute stocks effectively

### Functionality :

- Optimize the location of stock (slotting)
- Multi-level replenishment
- Management of blocked and quarantined goods
- Traditional or cyclical stock counting
- Specific stock movement operations
- Management of multi-site and multi-party applications
- Control of packaging-material stock-levels





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## Preparation

Acteos's WMS can be seamlessly applied to all types of preparation process, whether manual or automated; and to the full range of automated-identification-technologies in use today.

### Functionality :

- Generate orders for preparation
- Management and control of activities and resources
- Optimization of picking circuits and travel at the pick face
- Cross-docking
- Preparation: full-pallet selection; detail picking operations; parcel picking; multi/batch picking
- Deconsolidation operations; pre-allocated consolidation
- Value-adding operations: re-packaging, kitting, co-packing, and more.
- Assignment and reservation of stock
- Management of inventory shortfalls



## Business Intelligence Tools

With the robust indicators of activity - right across your warehouse - that Acteos WMS can provide, you'll be well placed to make better tactical and strategic decisions. This key management information is available through Acteos WMS's specially designed Business Intelligence Tool: a must-have tool-in-the-bag for your company's logistics function.

### Functionality:

- Integrated query tool
- Track service quality and performance
- Dashboards
- KPI's



## Operations & Resources Management in real-time

With our management and control module you'll be able to: define the right degree of autonomy for your operators; assign tasks optimally, as they are generated in real-time, taking full account of priorities and minimizing travel; and follow and manage task execution. In fact, you'll have the capability to track and manage all the activity and resources in your warehouse: driving efficiency up; and costs down.

### Functionality :

- Intelligent optimization of task assignment
- Management and control of resources, and automated and mechanized processes
- Validation and control of movements in real-time
- Full integration with all Auto-ID technologies
- Dashboards and Key Performance Indicators
- Track metrics for productivity, trends and deviations



# Acteos WMS: Driving operational efficiency up; and costs down

## Operational benefits at a glance:

- Drive warehouse productivity
- Anticipate, manage, and control the progress of your activities
- Synchronize and track information flows and product movements
- Assure and track – perfectly - your inventory holdings
- Increase Customer Service Levels
- Maximize asset and resource use
- Optimize space utilization
- Simplify and gain mastery over your inventory processes
- Boost the productivity and quality of your administrative processes
- Gain and exploit the information from reliable and accurate performance indicators

## Financial gains at a glance:

- Minimize the management of returns and customer complaints by achieving Customer Service Levels up to, and beyond, 99%
- Cut loading times by up to 50%; and as a result: minimize the costs of waiting times incurred with your carriers
- See your operating costs fall by more than 10% as you optimize the use of resources and space; and reduce requirements for packaging and consumables





# Think Synchronisation



Transportation  
Management System



Forecasting &  
Procurement System



Warehouse  
Management System



Acteos  
Suite SCM



Mobile  
Solutions



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