EASY WMS MODULES AND FUNCTIONALITIES

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easywms@mecalux.com
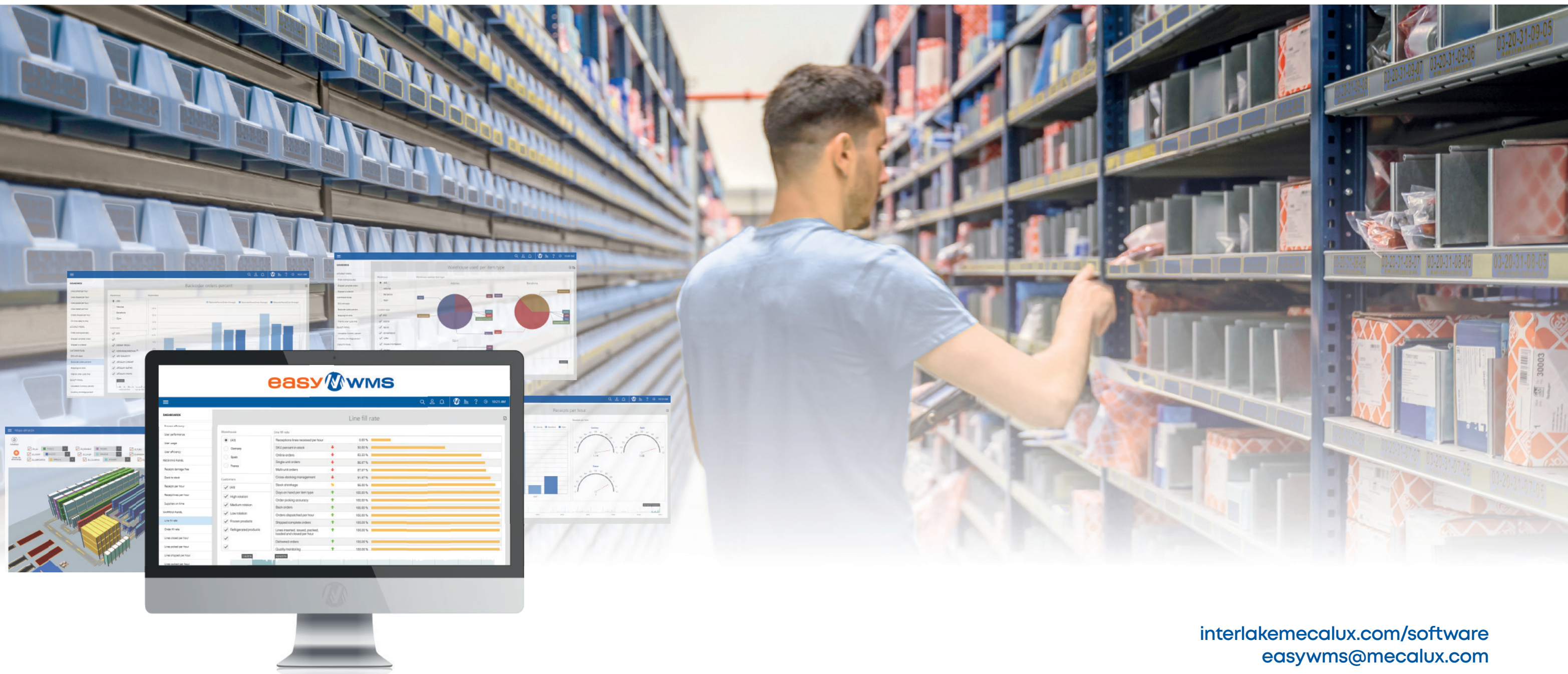
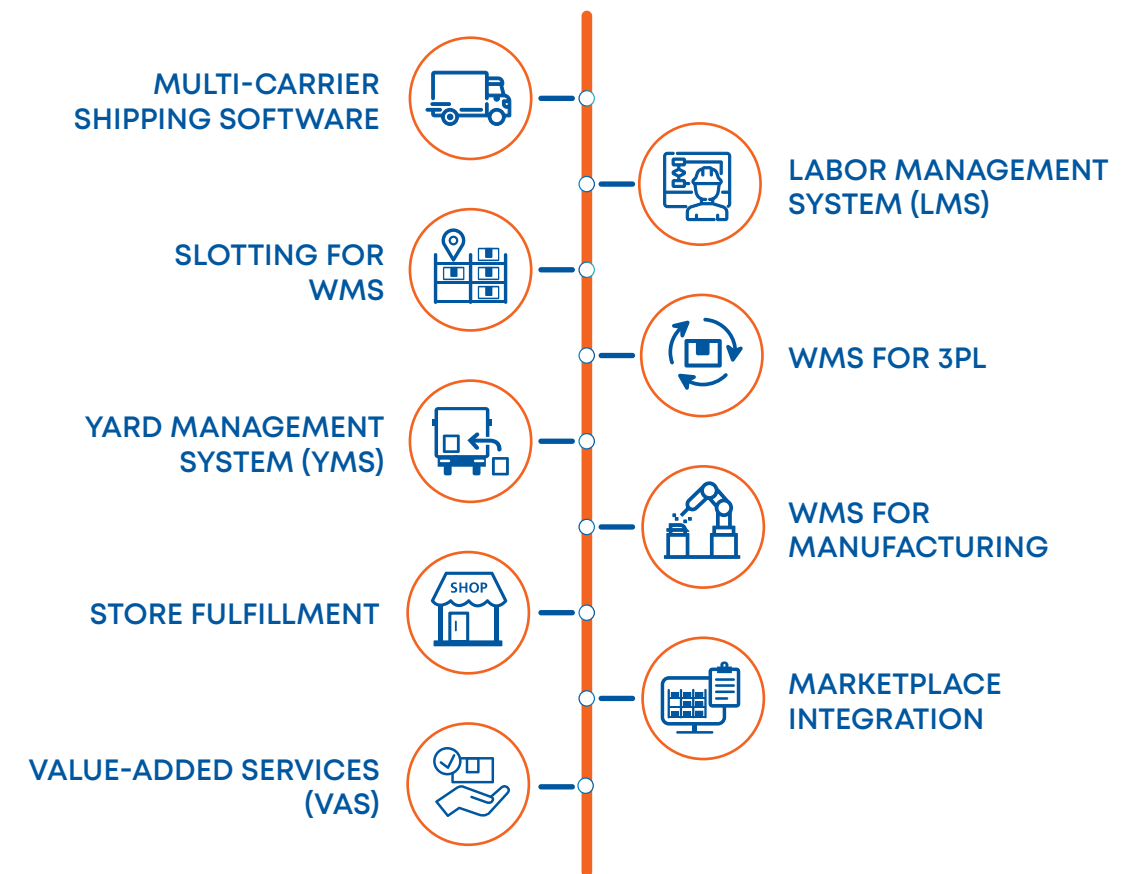easy WMS

WAREHOUSE MANAGEMENT SYSTEM

WAREHOUSE OPTIMIZATION EXPERTS

8 reasons to choose Easy WMS

1
Manage omnichannel operations

2
Adapt to new e-commerce needs

3
Get precise, high-speed picking

4
Receive real-time stock control

5
Lower logistics costs

6
Increase storage capacity

7
Eliminate errors

8
Reduce handling tasks

INTERCONNECTED SOLUTIONS FOR YOUR SUPPLY CHAIN

MULTI-CARRIER SHIPPING SOFTWARE

LABOR MANAGEMENT SYSTEM (LMS)

SLOTTING FOR WMS

WMS FOR 3PL

YARD MANAGEMENT SYSTEM (YMS)

WMS FOR MANUFACTURING

STORE FULFILLMENT

MARKETPLACE INTEGRATION

VALUE-ADDED SERVICES (VAS)

Interlake Mecalux collaborates with leading providers that endorse the quality, reliability and advanced technology of Easy WMS

ORACLE | Partner

Microsoft Partner

ZEBRA TECHNOLOGIES

SIEMENS

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Information for carriers: No. of packages, weight, volume, etc.

Information for Easy WMS: label, tracking number.

Order preparation

Information exchange between Easy WMS and carriers

Order shipment

MULTI-CARRIER SHIPPING SOFTWARE

Multi Carrier Shipping Software coordinates Easy WMS with carriers to ensure agile, error-free logistics service

MULTI-CARRIER SHIPPING SOFTWARE

Packing and integration with carriers

In today's market, any inefficiency in last-mile delivery could mean a serious loss of business. To respond to this challenge, Mecalux has launched the advanced Multi-Carrier Shipping Software module to **automate direct communication between the warehouse and the various transportation agencies**.

This additional module from Easy WMS is charged with organizing the packaging, labeling and shipping processes. Errors are, thus, eliminated in these operations, ensuring better service for end customers.
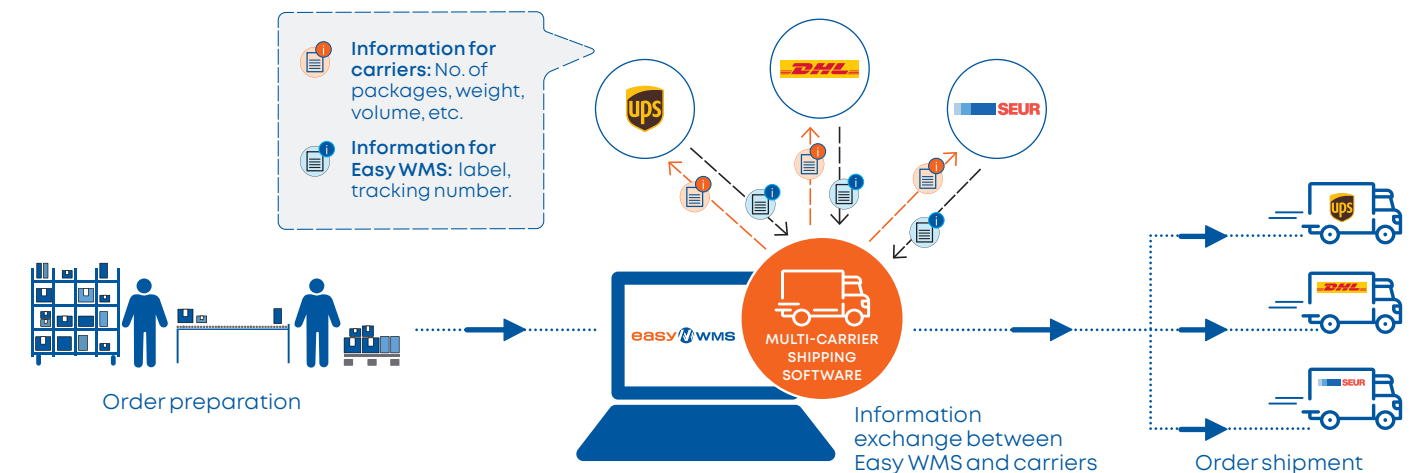
Implementing Multi-Carrier Shipping Software gives your company **comprehensive control over the entire goods dispatch process**: from product packaging to the creation of the tracking number used to monitor the package. In addition, Multi Carrier Shipping Software generates and prints key documentation for effective shipments, e.g., the product shipping label and corresponding delivery note.

The module comes integrated with the major international transportation agencies. Nevertheless, as this product is continuously developed, other carriers used by our customers are incorporated on an ongoing basis. These are some of them:

MRW   UPS   SEUR   bpost   DB SCHENKER   TNT

colissimo   NACEX   DHL   chronopost   Correos Express

Multi-Carrier Shipping Software from Easy WMS simplifies everyday interaction with transportation agencies so that logistics managers can focus on providing end customers with efficient, error-free service.

Multi-Carrier Shipping Software features

Packaging of the items that make up the order

Printing of a **delivery note** for each shipping order

Generation of carrier **labels**

Tracking number notification

Real-time synchronization between the warehouse and carriers

Truck loading by route

What do our customers say?

La Ruche LOGISTIQUE

"With Easy WMS and Multi-Carrier Shipping Software, we don't make mistakes. We're more productive, faster in order picking and distribution, and we've optimized our storage space."

Thomas Largeron
Manager, La Ruche Logistique

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Dashboards

easy·N·wms

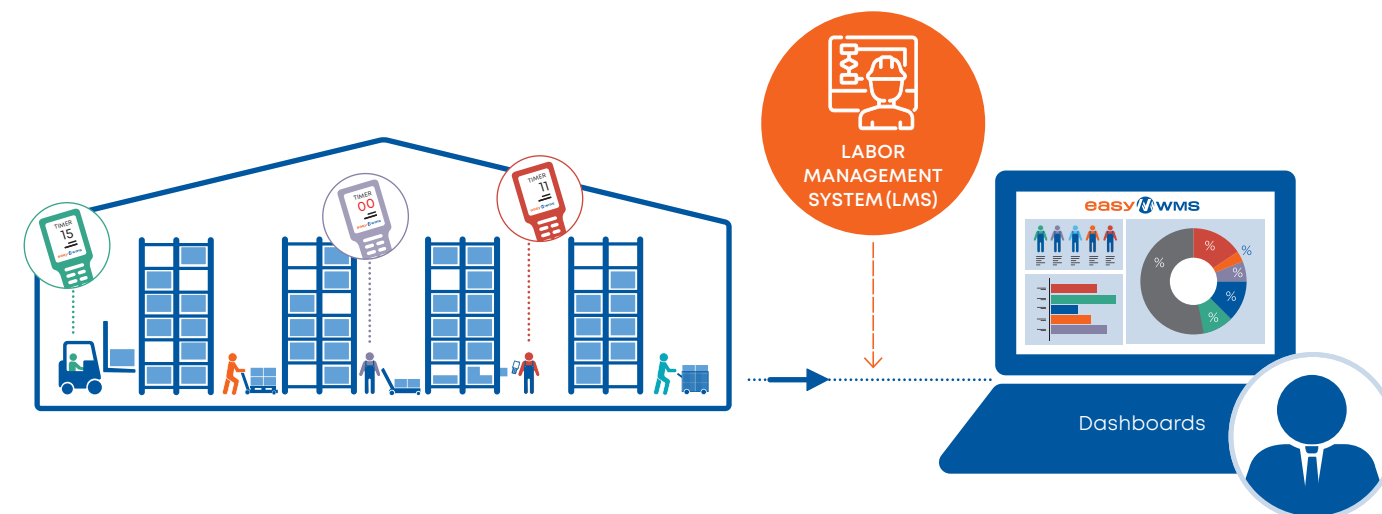# LABOR MANAGEMENT SYSTEM (LMS)

Maximize your warehouse throughput

Labor Management System **objectively measures your warehouse productivity** and detects improvement opportunities for your company.

The software **records the optimal time to carry out each task** and compares it with actual performance. The information collected by the software lets you objectively measure throughput to **optimize processes in your facility**.

BENEFITS OF LABOR MANAGEMENT SYSTEM (LMS)

Maximized warehouse **productivity**

Detection of **improvement opportunities** in workflows

Workforce **planning**

Increased operator **throughput**

Optimal execution of **tasks**

Comprehensive performance **control**

Labor Management System predetermines the necessary resources for maximum warehouse efficiency

Functions of Labor Management System (LMS)

Measure in detail the actual times of processes carried out in the warehouse

Compare actual times with target times to establish standards and individual or team performance

Detect inefficiencies in procedures to identify opportunities for improvement

Monitor key performance indicators (types of processes, work shifts, etc.)

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HISTORICAL DATA

CURRENT DEMAND

FUTURE DEMAND

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SLOTTING FOR WMS

Item turnover analysis

Suggested movements and estimated benefits

Execution of slotting

easy WMS

SLOTTING FOR WMS

Automate location management in your warehouse

This software **determines the optimal location for each SKU** based on a set of rules and criteria predetermined by the logistics manager and an analysis of current and historical demand for each product.

The module calculates the ideal location for goods based on the warehouse layout, handling equipment, and picking method employed. In doing so, **it recommends classification of products according** to sales forecasts or demand analysis. This way, SKUs that are usually ordered together are slotted close to each other, optimizing operator pick paths.

This is especially useful in the e-commerce and retail industries and in highly seasonal businesses with promotional campaigns, i.e., Black Friday. Slotting for WMS analyzes current, historical, and future demand, **suggesting a redistribution of storage locations** to facilitate more productive picking and minimize manual errors. Additionally, the module can be configured to make automatic recommendations regularly and even propose suggestions only when a certain benefit threshold is exceeded.

BENEFITS OF SLOTTING FOR WMS

Enhanced utilization of warehouse space

Cost reductions in order fulfilment and storage

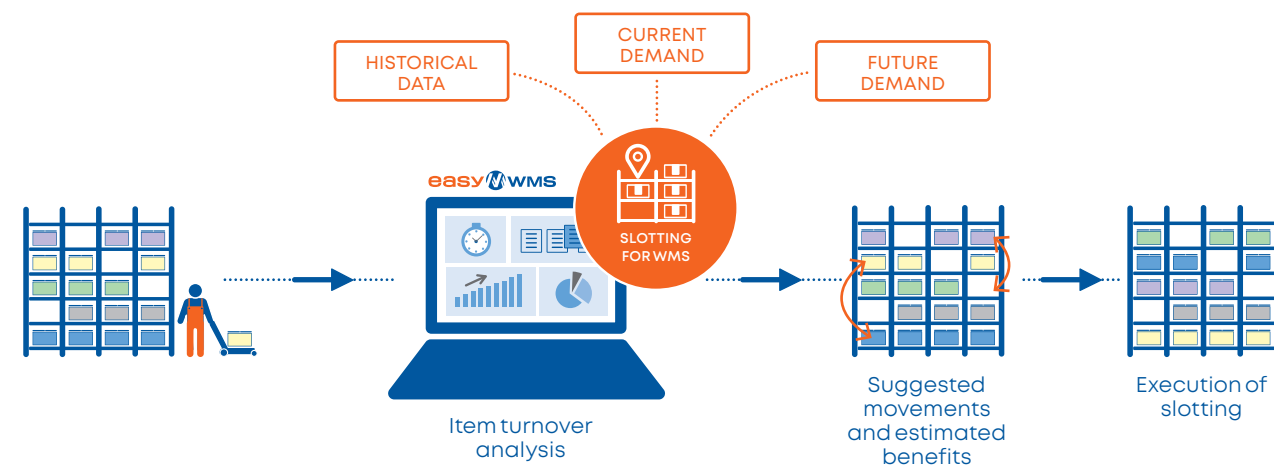Efficiency in **order picking** and supply processes

Optimization of pick paths in manually operated warehouses

Real-time updates of orders for each product

Better insight into demand and more effective inventory control

Slotting for WMS reduces time and operational costs by automating location management

Functions of Easy WMS Slotting for WMS

· Organization and recommendation of warehouse location changes

· Analysis of turnover and demand (current and historical) for each SKU

· Automatic generation of stock relocation tasks for each SKU

· Execution of movement tasks to carry out slotting

In-warehouse location management

Slotting for WMS, the advanced Easy WMS functionality, requires **proper parametrisation** of the module and of the warehouse management system using data on the operation of the warehouse, its layout and the assignment of each SKU located in the facility.

Easy WMS Slotting performs analyses and recommendations prior to initiating any movements. This allows for work to be organized based on estimated benefits. Once the task is approved, Slotting movement sequences are created.

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THE BEST LOGISTICS SERVICE FOR CLIENTS OF 3PL PROVIDERS

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WMS FOR 3PL

Simplify and improve management with your customers

This Easy WMS module features **solutions for logistics providers**, facilitating decision-making regarding storage, picking, and order shipping for their clients. To do this, it employs several functionalities: 3PL Client Portal, 3PL Billing, and Client-Specific Rules.

3PL Client Portal offers logistics service providers' clients remote access to the warehouse management system (WMS), allowing them to monitor the status of their stock in real time. Additionally, it eliminates manual communication processes between logistics providers and their clients, automatically notifying clients of any changes in the status of their stock via email, text message, or pop-up in the WMS interface.

The **3PL Billing** functionality enables 3PL providers to record and quantify the logistics activities they carry out for subsequent invoicing to their clients.

Client-Specific Rules allows for fast, easy customization of warehouse logistics processes based on the specific requirements of each stock owner or end customer.
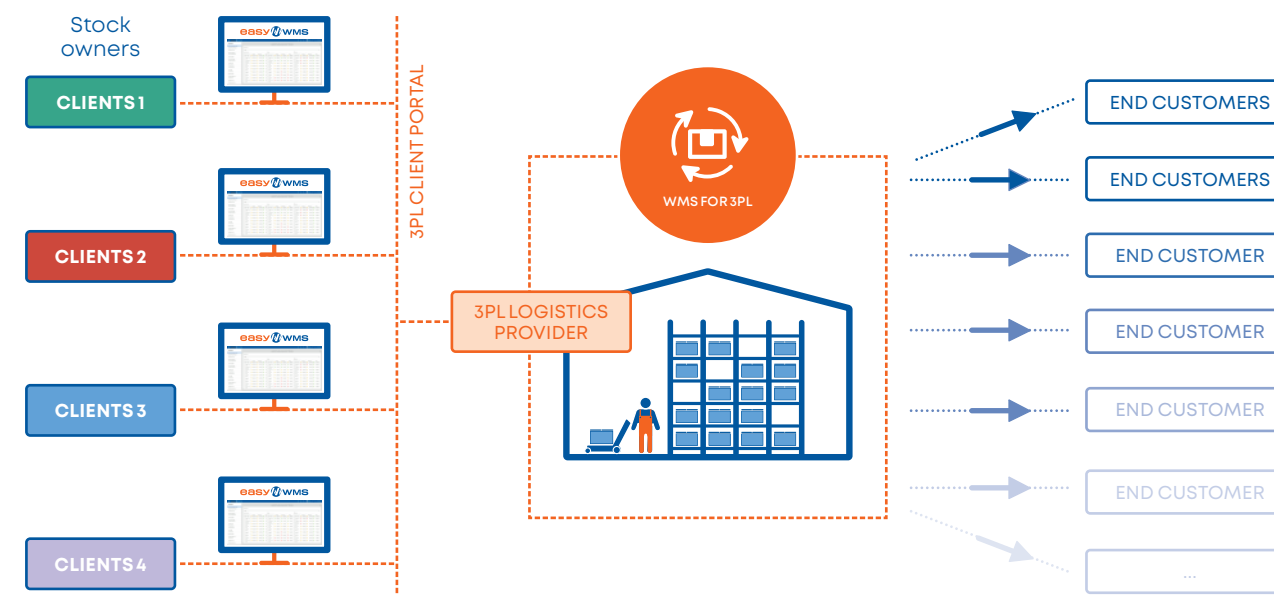
BENEFITS OF WMS FOR 3PL

Optimizes relationships between logistics providers and their clients by providing transparent and secure access to information on the stock they own

Reduces costs and streamlines processes, avoiding information loss

Enhances customer service and the services provided to different clients

Facilitates the **adaptation of warehouse processes** to changing logistics demands

3PL Portal capabilities

· Direct interaction between logistics providers and stock owners via the Easy WMS interface

· Stock filtered according to different logistics attributes

· Customized views of Easy WMS for each customer

· Immediate notification to customers of events associated with the various logistics activities in the warehouse

· Monitoring of activities through dashboards and key performance indicators (KPIs)

3PL Billing capabilities

· Quantification and optimisation of logistics activities

· Automatic recording and accounting of all tasks performed in the warehouse

· Identification of the client associated with these activities for individualised invoicing

Client-Specific Rules capabilities

· Quick, simple customisation of logistics processes based on 3PL client requirements

· Configuration and adaptation of warehouse processes to the specific needs of each customer or stock owner

· Assignment of each activity to the corresponding customer to generate a billing report with the services rendered

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PARKING LOT

LOADING DOCKS

DOCK 1

DOCK 2

DOCK 3

YARD MANAGEMENT SYSTEM (YMS)

Before arrival of vehicles in the yard

CHECKPOINT

Vehicles in warehouse yard

Check-in management

Check-out management

CHECKPOINT

Audits, reports, and KPI collection

After vehicles have left the yard

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YARD MANAGEMENT SYSTEM (YMS)

Eliminate bottlenecks at the docks

This advanced Easy WMS functionality **supervises movements of vehicles in the yards** of warehouses and distribution centers. The software provides logistics managers with real-time visibility of incoming and outgoing vehicles. It also displays KPIs and generates reports and audits to improve punctuality rates and warehouse efficiency.

Yard Management System (YMS) **syncs operations at the loading docks**, enabling efficient planning of goods receipt and dispatch. It monitors traffic in the yard, at the docks, and in the parking zones at all times, enabling fast reassignment of vehicles to docks if necessary.

BENEFITS OF YARD MANAGEMENT SYSTEM

Optimized use of yards and loading docks

Safety and control at warehouse access points

Streamlined wait times in goods receipt and dispatch

Quick assignment or reassignment of vehicles to docks

Smooth communication with customers, suppliers and carriers

Fewer errors and unnecessary movements
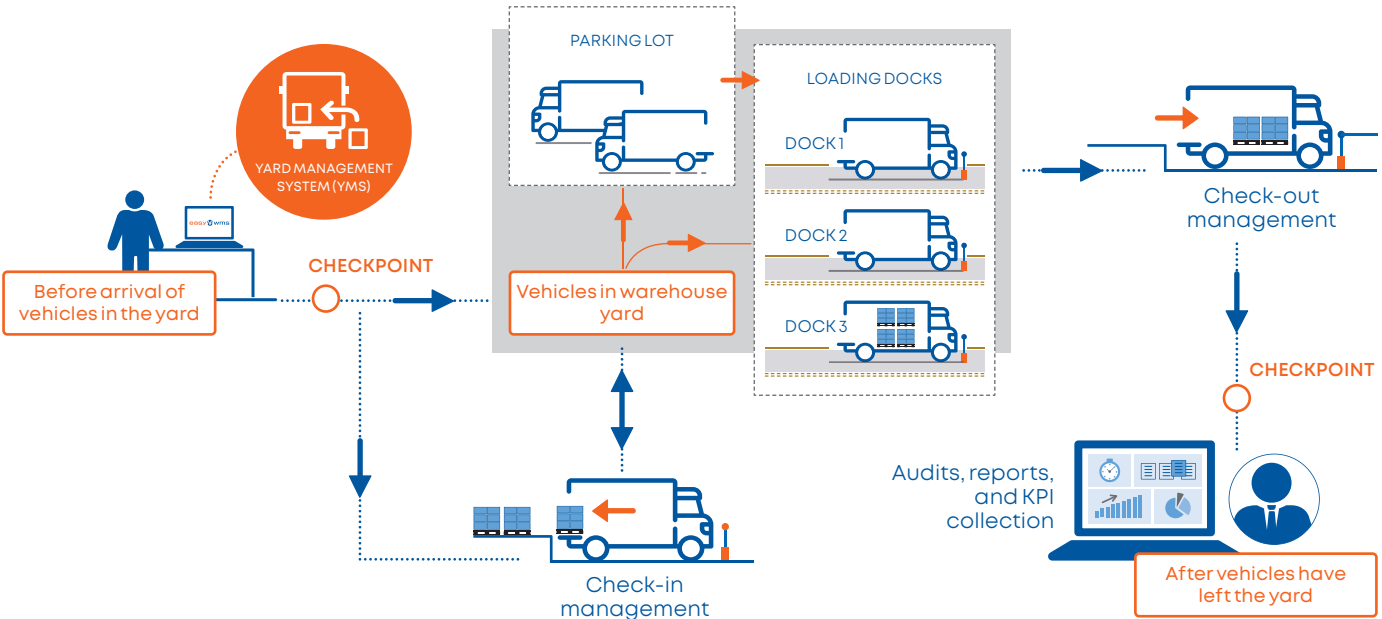
Yard Management System ensures control over the management of warehouse yards

Functions of Yard Management System (YMS)

• Planning and management of appointments for goods delivery and/or pick-up

• Coordination of stock check-in and check-out

• Supervision of the use of loading and unloading areas, parking zones and access points

• Notification to drivers of data such as available docks, departures from docks, etc.

• Audits, reports, and KPI collection

Synchronization of movements in the warehouse yard

To enhance logistics service in warehouse yards, Yard Management System (YMS) **enables seamless communication between clients, logistics providers and drivers**. It automatically notifies drivers of the most relevant data, i.e., available docks and contact information.

The Easy WMS module **validates the check-in of all vehicles that access the yard**. After identifying them, it automatically assigns each vehicle a dock or parking space. In this stage, the module is responsible for managing all vehicles in the yard and supervising the status of the docks and of each parking space.

YMS also **optimizes vehicle exits**: it checks departure times to carry out audits, identifies goods and drivers, and generates and prints the necessary documentation.

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Production order

Closure of production order

Production line supply

Raw material consolidation

Creation of finished product

Raw material

Raw material warehouse

Supply buffer

LINE 1
Production
LINE 2

Production buffer

Finished product

TRACEABILITY

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WMS FOR MANUFACTURING

End-to-end traceability in production processes

This module **provides real-time visibility into the supply of production lines**, ensuring traceability of raw materials, semi-finished products, and finished goods.

Easy WMS effectively coordinates storage tasks such as order preparation and slotting management. By installing WMS for Manufacturing in addition to Easy WMS, you'll gain **rigorous control of the status of your raw materials and manufacturing processes**, facilitating **accurate product traceability**.

In fact, systematized management of the production processes makes it possible to track the raw material consumed in each stage. This provides detailed information about each of the materials used to make the final product. Thus, with Easy WMS, you'll have **real-time visibility of the inventory** that supplies the production lines, of **raw material consumption, and of the stock** of finished and semi-finished products.

BENEFITS OF WMS FOR MANUFACTURING

End-to-end traceability of production processes

Efficient picking routes for supplying the production lines

Real-time visibility of inventory

Control of the **actual consumption** of raw material

Just-in-time (JIT) **manufacturing support**

Prevention of **stockouts** in the supply chain
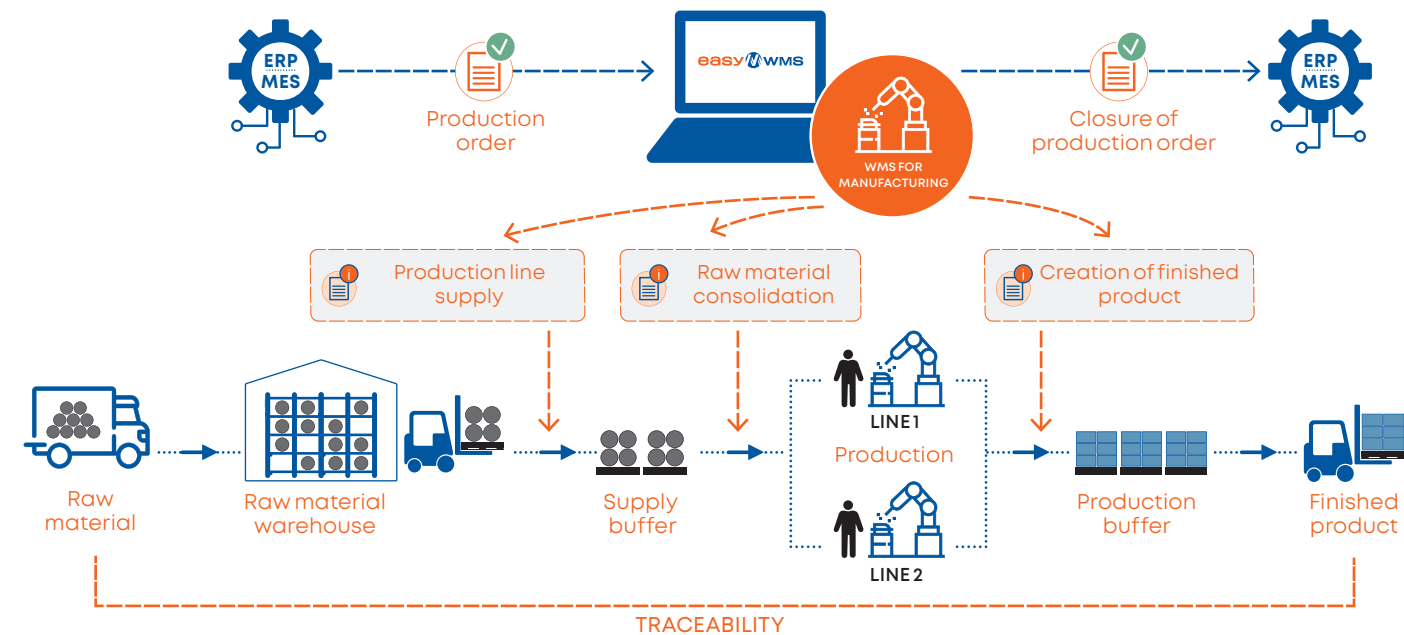
Implementing WMS for Manufacturing from Easy WMS ensures uninterrupted production and optimal product traceability

Continuous production

The WMS for Manufacturing module from Easy WMS controls the **transformation of raw materials into finished products** based on the production orders and bills of materials (BOMs) of each production line.

It also creates and manages **operators' order picking tasks** to supply raw materials to the production lines at the right time. Hence, this software carries out real-time synchronization of the stock in the supply buffers and that of finished and semi-finished goods.

Finally, once the finished (or semi-finished) product has been manufactured, the production order is closed: the software automatically notifies the ERP system of the end of the process and issues the order to transfer the item to the storage or dispatch area.

WMS for Manufacturing: features

Provides instructions and configures the list of raw materials for production

Generates picking tasks to supply production lines

Manages supply orders based on manufacturing orders

Controls manual and automatic consumption of materials used in production

Generates detailed reports (e.g., on real raw material consumption and defective products)

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LOGISTICS PROCESS OF THE STORE FULFILLMENT MODULE

WAREHOUSE

Shop 1

Replenishment

MLS*

Shop 2

Returns

MLS*

TRANSFER

Shop 3

MLS*

Replenishment

MLS*

*Minimum Level of Stock

Store Fulfillment synchronizes inventory and workflows to ensure optimal stock management between the central warehouse and the physical store network

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STORE FULFILLMENT

Efficient stock management for distribution to physical stores

The Store Fulfillment module has been **designed for companies that need real-time control over inventory** of their warehouse and physical stores. Additionally, it syncs supply operations throughout the distribution network such as picking, replenishment, transfers between stores, and returns.
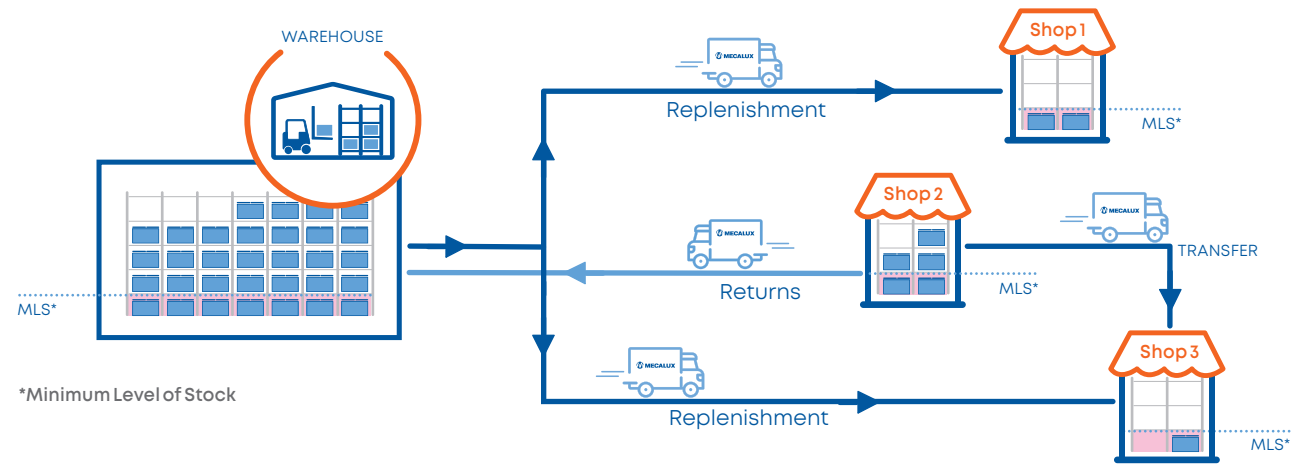
BEST-IN-CLASS FEATURES OF STORE FULFILLMENT

WMS integration with point of sale (POS) terminals

Automatic replenishment of shop items depending on stock level

Task generation after an in-shop sale or return

Transfers of in-warehouse items to shops or between shops

Warehouse management with cash-and-carry model

Quick in-shop stock counts

Automatic reports (stock level by shop or stock on the way, etc.)

What benefits does it provide?

Inventory always updated in warehouse and shops	Coordinated transfers between shops
Stockouts eliminated in shops	Efficient customer returns management
Task synchronization between warehouse and shops	End-to-end distribution visibility in real-time

Store Fulfillment adapts to different shop types

Central warehouse with management of independent stores.
A distribution center serves one or more stores in different geographical locations. Stores are replenished with goods available in the distribution center. The system controls returns and transfers between stores.

Warehouse with direct sales.
Customers pick the products they need from the shelves and pay at the counter. In this case, the store and warehouse inventory are managed separately.

Warehouse with management of integrated store.
Customers order the products they need at the store counter. Then, operators are responsible for locating them in the warehouse. Once the sale is made, the system updates the inventory automatically.

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Catalog and stock synchronization

. Catalog synchronization
. Order management
. Order status
. Tracking code

Online purchase

Order

Marketplaces

amazon

ebay

E-commerce platforms

PrestaShop

Order

Order status

Order status

Warehouse

Order delivered

easy WMS

MARKETPLACE INTEGRATION

Sync your warehouse stock with your online product catalog

Connect Easy WMS with the main digital sales platforms and marketplaces to synchronize your online product inventory with your physical warehouse. Implementation of this solution eliminates errors and additional costs arising from manual management.

This module is the ideal solution for **customers that sell their products via one or more online retail channels**: it means that logistics managers no longer have to deal with communication with the sales channels. Instead, they can focus on offering flexible and efficient service.

Integrated in this additional Easy WMS feature are several of the major marketplaces and e-commerce platforms:

PrestaShop   **amazon**   **ebay**

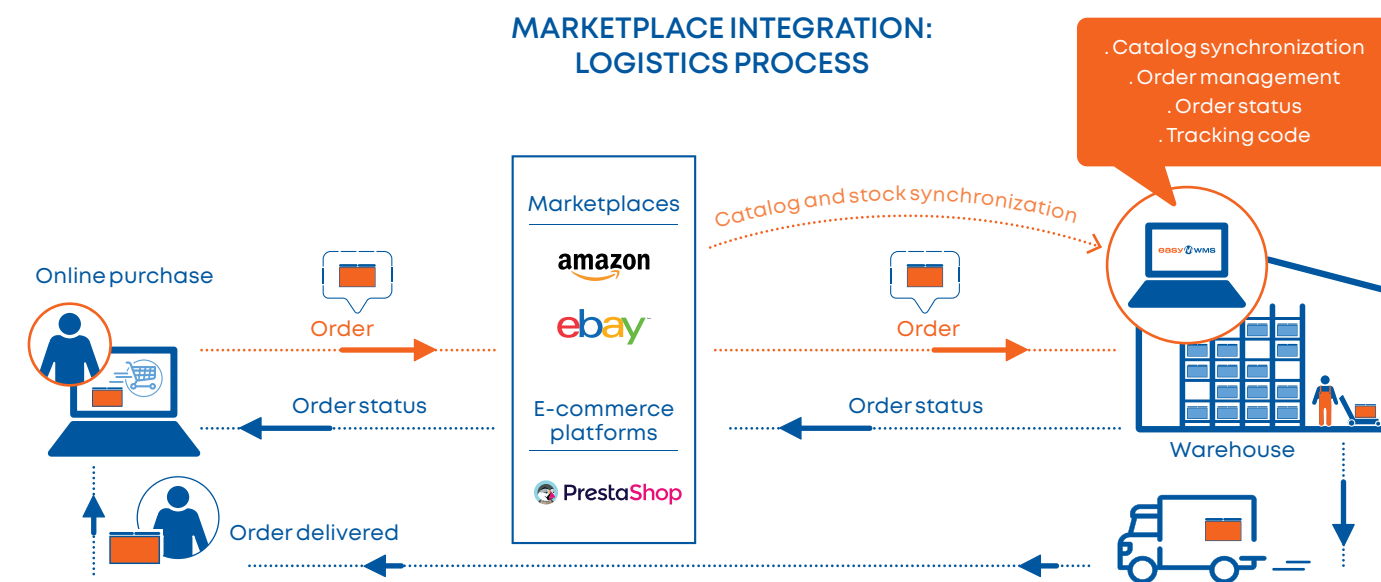### FUNCTIONS OF MARKETPLACE INTEGRATION

Synchronization between the catalog and the various platforms

Streamlined management of **new orders** (including cancellation and closure)

Updating of the **status of orders** in the warehouse and online

Notification of the transportation agency and **tracking code** (Multi Carrier Shipping Software capability)

Marketplace Integration joins Multi-Carrier Shipping Software and WMS for Ecommerce to offer an end-to-end response to new logistics demands: ranging from the online sale to the preparation and subsequent shipment of the order

Advantages of Marketplace Integration

Automated communication between the warehouse and the various marketplaces and platforms

Synchronization of orders, catalogs and inventory between warehouses and online sales channels

End-to-end elimination of errors: from end-customer purchases to last-mile management

Elimination of unnecessary tasks that limit business growth

Easy WMS: a comprehensive solution for e-commerce firms

Marketplace Integration joins Multi-Carrier Shipping Software to provide a comprehensive response to our e-commerce customers' logistics demands: end-to-end management, encompassing the online sale, preparation of the order, and its shipment via the various transportation agencies.

Easy WMS also offers a complementary solution for our customers with omnichannel businesses: the Store Fulfillment module helps to supply and manage the inventory of the company's network of physical stores.

These combined solutions facilitate the management of highly complex scenarios such as BOPIS (buy online, pick up in store) and BORIS (buy online, return in store).

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CUSTOMIZATION PROCESS WITH VALUE-ADDED SERVICES (VAS)

Picking

Dispatch

VAS station

VALUE-ADDED SERVICES (VAS)

VALUE-ADDED SERVICES (VAS)

Automating product personalization

Value-added services are **performed on a product** to enhance its value, improve its functionality or increase its usefulness.

The Value-Added Services (VAS) module enables the seamless integration of these services with other Easy WMS operations.

BENEFITS OF VALUE-ADDED SERVICES (VAS)

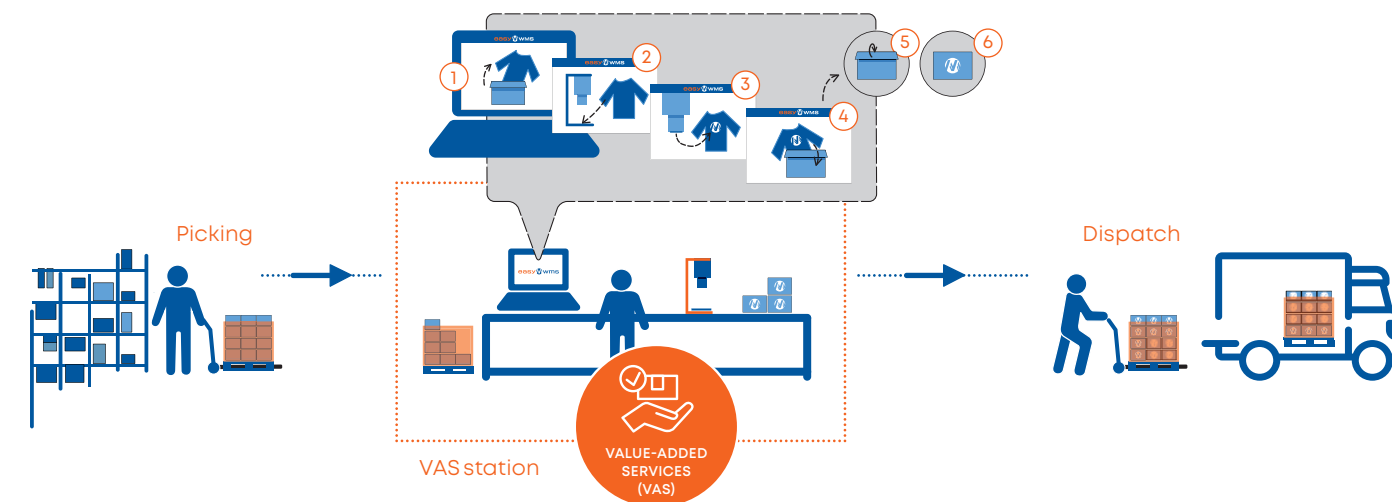**Cost control** of the service performed

Maximum **agility** in VAS operations

Comprehensive visibility of value-added processes performed on items

Elimination of errors in the personalization and adaptation phase

Monitoring of task completion time (Labor Management System functionality)

Easy WMS's Value-Added Services module ensures fast, efficient, error-free order customization processes

Cost-effective order picking and dispatch

The increasing demand for order customization in the warehouse has forced companies to incorporate value-added workstations to offer **agile, error-free service** during the order picking and dispatch stages.

Industries such as **e-commerce and automotive** require **systematized product customization**. This guides operators step-by-step as they carry out value-added work orders, avoiding errors. Examples of VAS tasks include garment hanging, printing/screen printing on fabrics, labeling, and customized packaging, among others.

In addition to adding value during order processing, this functionality **can also be carried out in other warehouse processes**: receiving, packaging, packing, and labeling.

Value-added services can be done at VAS stations or during the performance of different processes or tasks. In the case of the latter, these services are simple activities that do not require special space or equipment.

VAS module capabilities

· **Guide operators in their tasks** and send detailed instructions, taking into account stock quantities

· **Create and execute value-added orders** in inbound and outbound processes. Ability to generate orders manually or receive them from the ERP

· **Perform value-added orders** at packing stations

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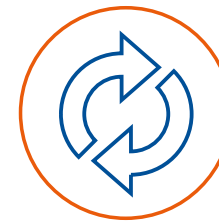# Why choose Mecalux Software Solutions?

The company has **55+ years of experience** in warehousing solutions and a **presence in over 70 countries**.

More than **400 engineers** are exclusively dedicated to the development of logistics and supply chain software.

Over **1,100 facilities** in 36 countries are managed by Mecalux Software Solutions.

Software is **continuously developed** and updated, thanks to major investments in R&D.

Technical support is available in multiple languages 24 hours, 365 days a year.

Mecalux has a presence in more than 70 countries worldwide

Argentina · Belgium · Brazil · Canada · Chile Colombia · Croatia · Czechia · France · Germany Italy · Netherlands · Mexico · Peru · Poland · Portugal Romania · Slovenia · Slovakia · Spain · Turkey United Kingdom · Uruguay · USA

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