



Astro WMS™



Efficient real-time warehouse management

Consafe Logistics provides flexible and highly scalable solutions. We do our utmost to ensure the solution we implement for you is cost-effective and creates a very quick return on investment – no matter the size of your business and logistics needs.

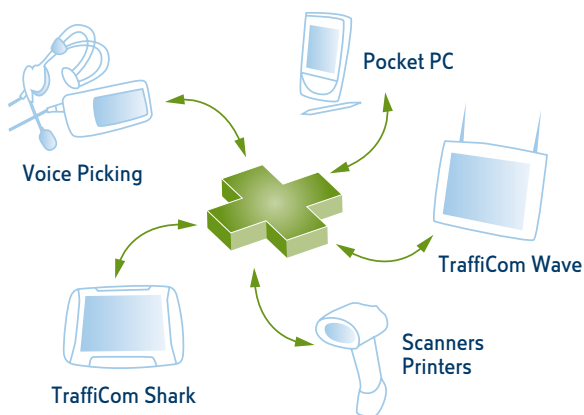
Solutions from Consafe Logistics give you optimized processes and tools to cost effectively manage staff, equipment, storage space and other resources.

A reliable Warehouse Management System (WMS) creates a considerable increase in efficiency and pays for itself. It reduces costs both through better direct support of working procedures and from better inventory accuracy, avoiding expensive error correction. An important part of an efficient warehouse is to have systems built to be used in real-time.

Astro WMS – Modular system for flexibility and efficiency

Astro WMS is a modular system that increases and improves efficiency in your distribution centre. It can be tailored to support your operational needs by simply adding the modules you require.

The core application is a solid WMS that includes all necessary support for regular warehouse processes. Astro WMS includes a standard ERP communication interface that has been implemented with a large number of ERP systems, and applications developed in-house.



Increase your warehouse efficiency

Real-time information is critical to supply chain execution systems and to their warehouse links.

In warehousing and distribution where the flow of goods is fast, it is critically important to know at all times how staff, storage space and equipment are being utilized. Astro WMS is a standard system built on basic logistic principles that focuses on time as the competitive factor. It has been designed and developed by experts in warehousing, logistics and supply chain execution. Astro WMS handles and supports all processes that are used when managing operations in a warehouse.

Improved customer service

Astro is designed to provide improved customer service. Customer demand and order dispatch time drive warehouse operations. Warehouse processes are based on time set prioritised assignments. Efficient processes are designed when work is performed on-line via RF terminals or other mobile equipment.



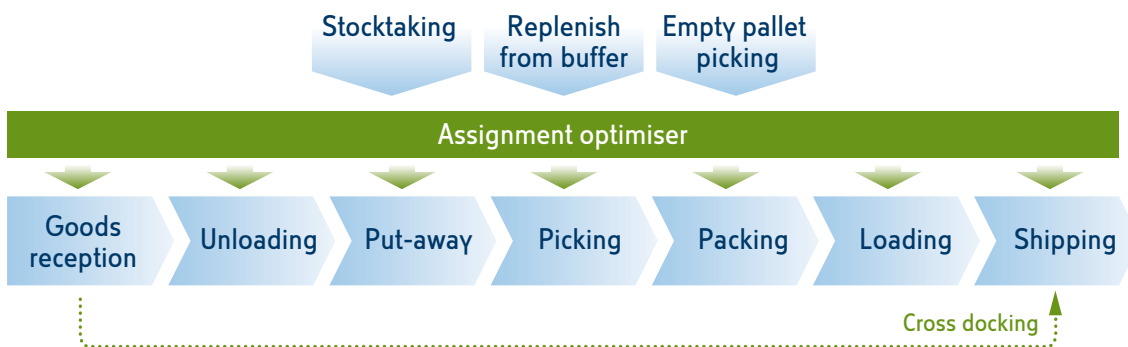
Pays for itself

Our WMS solutions are built to be robust with high scalability. Being modular, they are suitable for warehouses of different sizes and with different objectives. Astro makes it possible to rely on available data to develop new handling routines such as paperless picking with RF terminals or voice recognition.

We guarantee that the large increase in efficiency will make your investment pay for itself. Astro reduces costs through better direct support of working procedures, by improving inventory accuracy and avoiding expensive error corrections.

Advantages with Astro WMS:

- Increased throughput of current resources.
- Reduced capital employed in stock or products in transit.
- Reduced operating expenses through optimization of labour, space and equipment.
- Increased service and quality.
- Effective information management.



Possible add ons:

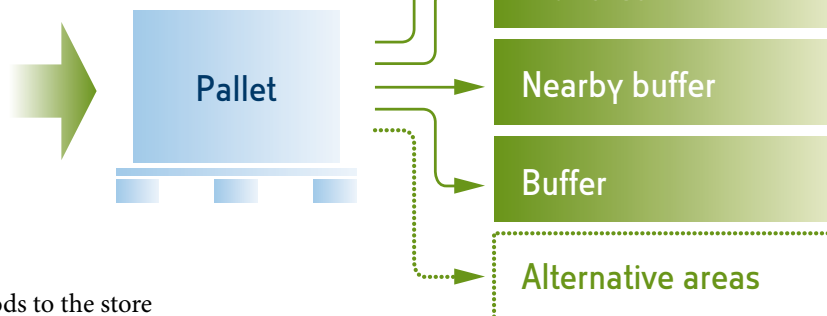
Automation ▪ Quality control ▪ Order planning ▪ Capacity & resources
Information & performance indicators ▪ Dispatch planning ▪ Manufacturing ▪ Transport

Receiving

Astro WMS captures goods receipts immediately as goods arrive, creating labels with barcodes. When a pallet arrives at the warehouse, Astro WMS will direct the pallet to a place where it is most needed at that moment. The first checkpoint is whether the pallet should be directed to another trailer as a transit/cross-docking pallet. With cross-docking, incoming shipments are directed straight to the shipping-dock to fill outgoing orders. Otherwise the pallet will be directed according to the following priority: picking area, nearby buffer, bulk storage area. It's also possible to have pallets labelled and pre-advised by the supplier.

Advantages in receiving:

- Quality Control
- Cross docking
- Check-in
- Unloading/Build pallets
- Reverse logistics/Returns
- Mixed pallets



Put-away

Put-away refers to transporting goods to the store location from the receiving area. Astro combines inbound and outbound transport to minimize empty driving. Astro WMS can use different strategies for minimizing handling by directing goods straight to the loading gate.

Flex-FIFO allows incoming goods from goods received or production to be matched against a current customer order and taken directly to the loading gate. Transit enables arriving goods to be included as a subset of an outgoing customer order even though the transit goods are not regularly stored products.

Advantages in put-away:

- Put-away strategy
- Directed put-away
- Location selection
- Article spread logic

Order processing

When customer orders have been transmitted to Astro WMS, they are processed in to optimize picking and packing. As orders are released the system calculates the size of the box/pallet needed for picking. This ensures that the fill-rate is as high as possible and that there will be no need for repackaging. Since packaging can be reported during the picking run there is 100 % control of which items are put in each box/pallet. The highest priority order will always be picked first. It is always possible to verify both the location and the box when picking. Depending on the size of outgoing goods you can optimise the loading capacity of your forklifts.



Advantages with real time order processing:

- Order consolidation
- Wave management & scheduling
- Picking
- Replenishment
- Assembly, kitting
- Box calculation
- Maximised pick-run

Shipment



Loading of goods is performed in real-time. Using scanning verification the system is able to check that the correct goods are loaded. It is possible to monitor the level of work in progress and status.

Advantages with the shipment procedure:

- Packing
- Labelling and documents
- Loading
- Transport consolidation
- On-line transport booking
- Web Track and Trace
- EDI

Inventory Management

A fast and efficient stocktaking process takes place during the picking process when pallets become empty or when the remaining quantity reaches a pre-defined level. This ensures that inventory balance is accurate at all times and updated when needed. It is also possible to manually create stocktaking assignments.

Advantages with the inventory management procedure:

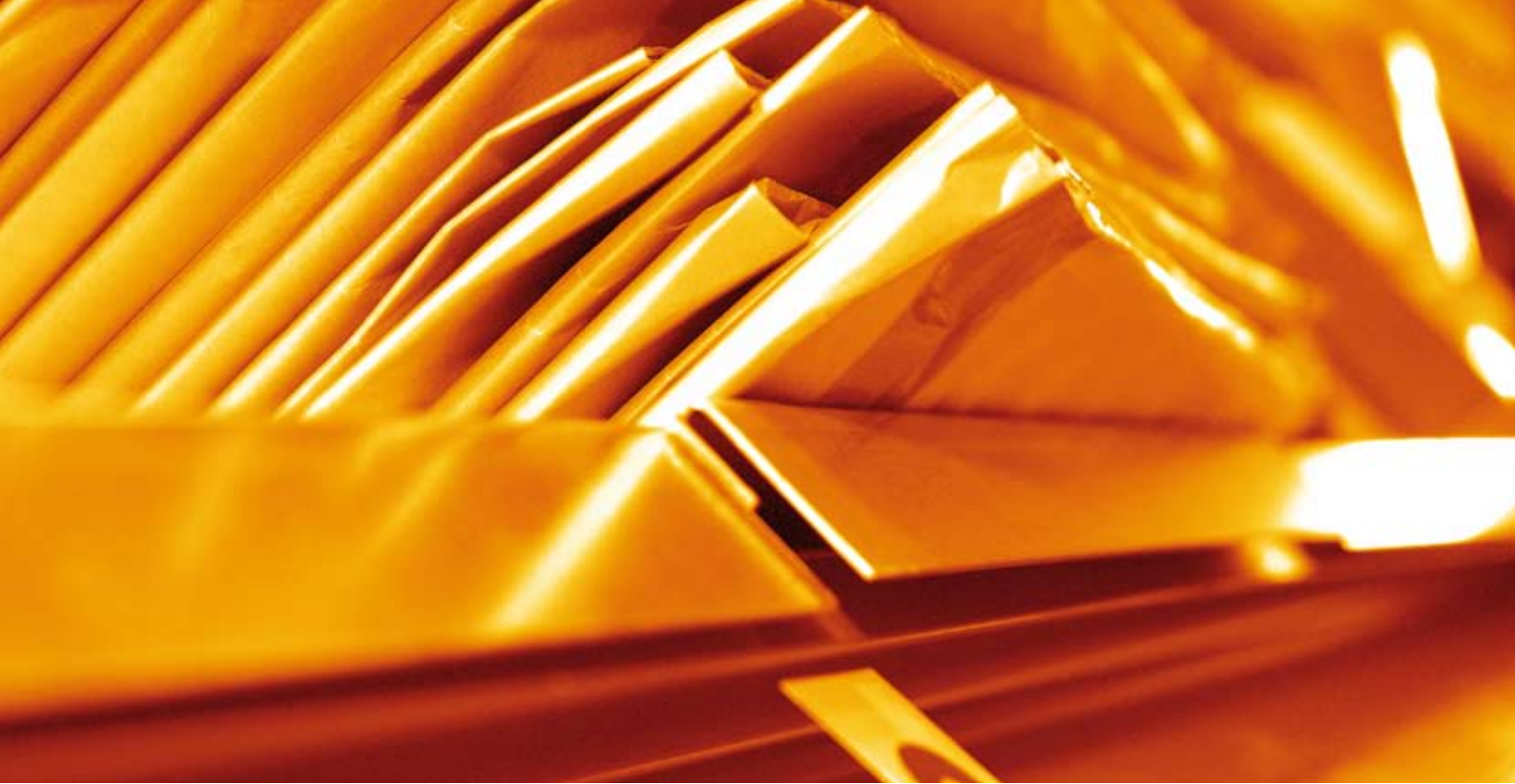
- Inventory control
- Stock categories
- Stock taking
- Traceability
- Blocking

Extended modules for high-end warehouse operations

Astro WMS has several extended modules for supporting high-end warehouse operations:

- Automation and material handling connectivity
- Labour Management
- Yard Management
- Pre-advised goods
- Business Intelligence, KPI
- Customer/Supplier Connections and Web Portal
- Order Management and VMI
- Transport Administration
- Advanced Route Planning and Fleet Management





Specialists at integrating WMS

Our long experience and leading-edge expertise within logistics and WMS solutions make us the obvious first choice for companies with a complex systems make-up, and for partners who supply other types of warehouse solutions. We are specialists at integrating WMS solutions with applications, such as business systems, transport systems, crane systems, automation, track and trace and route planning.

24/7 support for real peace of mind

We make a total and long term commitment to support our customers. We don't just make sure installations work effectively; we ensure trouble free support for complete peace of mind. We add value to your investment by continually upgrading our products with innovative new solutions.

We provide a 24/7 helpdesk to give you access to experienced application specialists via phone, e-mail or web. You always have access to documentation, frequently asked questions and status/solutions to your enquires through our customer log-in website.

We make you stronger

Our business is making your company more profitable and competitive through logistics management. We create a faster workflow and less demand on resources between you, your suppliers and your customers. A workflow that allows you to eliminate inefficiencies and minimize capital tie-up in your warehouse. We guarantee quantifiable results. More than 800 companies world wide are Astro WMS users. Contact us for more information about Astro WMS or visit our website.

Your partner today and tomorrow

Consafe Logistics is a leading European provider of solutions to customers that use logistics to create a competitive advantage. For our customers we design, develop and implement knowledge based solutions in supply chain. To continuously add more customer value, we constantly innovate our portfolio of products and services. The offerings we provide are: System solutions in supply chain, Business Mobility solutions, Consulting and process improvements.

Consafe Logistics Group is a member of the JCE Group. We help customers in more than 20 countries all over the world from our offices in Sweden, Denmark, Norway, Netherlands, Poland, Russia and the United Kingdom.

Carlsberg	El-Giganten	Volvo	Unilever
IKEA	Hitachi	Norway Post	Michelin
Canon	COOP	Glud & Marstrand	Heineken
REMA 1000	Hepworth Heating	Ferring	AJ Products
DSG International	Alfa Laval	SCA	Zbyszko
Dahl International	Hydro	Akzo Nobel	Nestle Waters Polska
ICA	Dagab/Axfood Group	Electrolux	Makro Cash & Carry
JYSK	ANWB	Asda-WalMart	Valeo
Nestlé	Lövenskiöld	Supergros	Dr Irena Eris
SKF	Arla Foods	Securitas	Olesiejuk Poland
ADPO	Netto	Bacho Group	
Valora Trade	Onninen	Euro Park	
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Our business, your advantage