



Audax - Hoop

Integration of a complete Warehouse Control System

LOAD BALANCING

The combination of dynamic batch picking of slow movers and light guided picking of fast movers ensures an optimized balance of the workload in the system.

LIGHT SUPPORT

The system uses Pick by Light for picking of fast movers and Sort by Light for sortation of the batch picked slow movers.

SAP INTEGRATION

All processes in the system are fully integrated with SAP using Inther's SAP certified interface..

Audax is a versatile company, which publishes and distributes magazines, comic books and related articles. Audax is headquartered in Gilze, Netherlands where the distribution center is located as well. In addition, Audax has branches in the Netherlands and Belgium and has over 1,100 employees.

Vir Audax vir beatus est

Audax derived its company name from this slogan, which means *Fortunate are the fearless*. This same fearlessness has played an important role in the history of Audax. Management's policy is very much goal-oriented and strongly geared towards exceptional customer service. Excellence in performance, innovativeness, sharp-wittedness and respect for all are typical traits for all Audax employees.

Concept

Here, the ABC principle is optimally applied. The combination of dynamic batchpicking of the slow movers with RF and Put To Light, and fast orderpicking with Pick By Light is of vital importance in the design that Inther developed for Audax.

Approximately 1,500 fast movers and 12,000 slow movers are controlled and processed in this distribution center, via Inther LC's software. Just a few batches are required to collect all slow movers via RF from shelving into bins. These articles are distributed per order via an Order Distribution System (ODS). Once all slow movers have been collected, the goods are put into customers totes.





This bin or box continues its way to the flowrack workstations, where the fast movers are picked with Pick By Light. The order fulfillment via a completely automated packing line. Here a maximum of five different documents are printed and automatically inserted into the totes. Finally the totes are closed, old labels are removed, new labels applied, strapped and sorted to the right destination.

Replenishment and order picking from the pallet area is supported by RF as well, which enables an optimal accuracy in inventory and thorough tracking of the goods.



The new concept ensures a near 99.98% accuracy in delivery and realizes a much faster throughput. Because of an improved efficiency ratio, an attractive ROI of less than 2,5 years could be realized.

Ad Geerts, warehouse manager at Audax Media Logistics in Gilze:

“One of the benefits is we can fully track and trace all movements in the warehouse...”

“...the efficiency improvement ensures a savings of 39 percent in labor costs.”

Summary

- **1500 Pick by Light locations, divided over 6 order collecting stations**
- **Radio Frequency network with 20 mobile data terminals**
- **135 Drop To Light locations, split over 2 workstations**
- **Integrated SAP interface**
- **Automated packaging line**
- **> 600 meter of conveyor transport system**
- **Sorting to 5 manual Packing stations**

Technical

- The Inther LC Warehouse Control System communicates with the SAP host using a certified IDOC interfacing.
- Inther LC WCS functionality comprises control of the Material Flow, volume calculation, route optimization.
- 1500 Pick by Light slots and 130 Put to Light order consolidation locations, supported by Radio Frequency.
- 600 meters conveying equipment with integrated-in-racking conveyors.



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