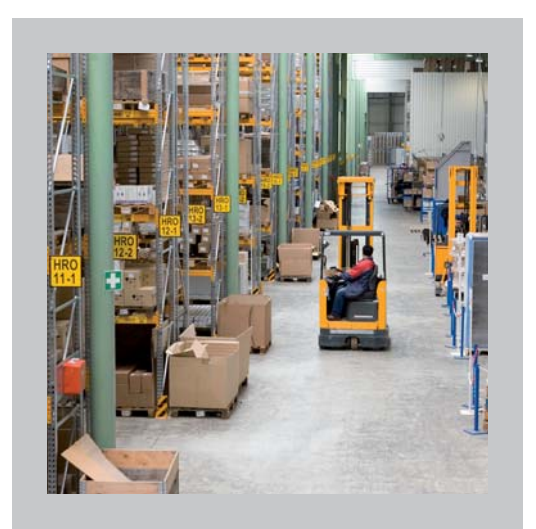




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METALAG

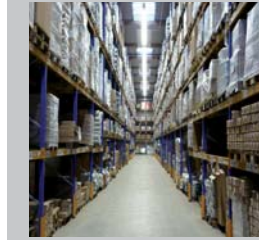
Software Systems for In-house Logistics

**We have the right tools
to cater for your
logistics requirements**



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Optimizes your logistics processes...



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Metasyst Management

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Warehouse Management System WMS



METALAG - an effective logistics solution as an integrative Add-On.

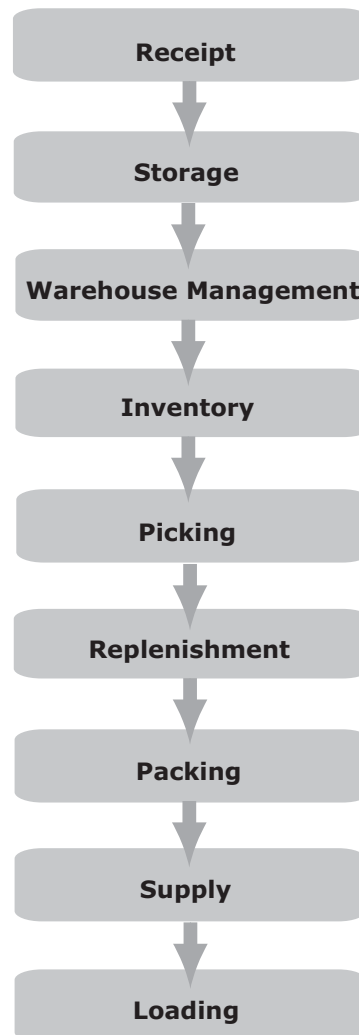
METALAG WMS / WCS is a sophisticated, highly functional Warehouse Management System and Warehouse Control System that can be easily integrated into your existing computer environment.

The integration takes place by using defined standard-interfaces for several ERP systems. The modular solution permits individual adjustments to the client's needs.

Full automatic warehouse or manually organized warehouse.

METALAG warehouse management system WMS covers all requirements for the application of effective logistics processes and dynamic picking order control. It supports manually organized warehouses by using mobile terminals (Barcode, RFID, Voice) as well as semi- and full automatic warehouses. METALAG is established in Trade and Industry companies as well as in Distribution and Logistic centres of all different business sizes.

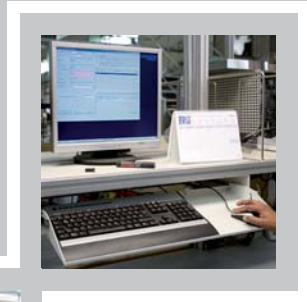
**Flexible and
cost-efficient!**



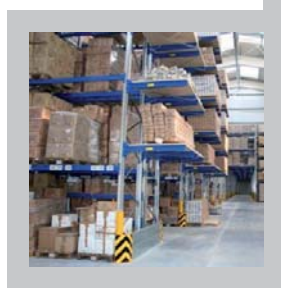


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Warehouse Control System WCS



METALAG Warehouse Control System WCS can be easily integrated into your existing IT environment. The integration takes place by using defined standard-interfaces for several ERP systems. The modular solution permits individual adjustments to the client's needs.

Optimal personnel deployment and material flow

METALAG WCS supports different storage solutions and optimizes material flow as well as human resource allocation. This makes business processes transparent.

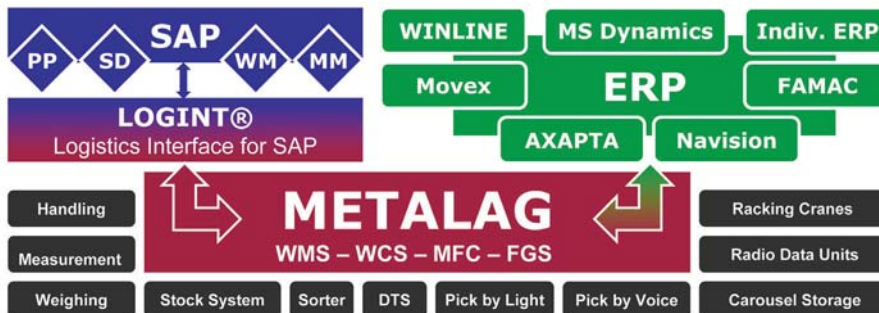
Because of process illustration at a scanner the order picking process is paperless. Existing ERP/WMS applications can be optimized and upgraded to sophisticated process execution by METALAG WCS.

Your advantages

- flexible and producer neutral
- individual adjustments to the client's requirements
- transparency at all levels
- multi-lingual
- multi-user and multi-tenancy capability
- practice-partoriented and competitive
- efficient and cost-effective realization

All advantages are valid for METALAG WMS and WCS.

METALAG options of integration:



Material Flow Control MFC



The flexibility of **METALAG material flow control** enables the secure and efficient integration of very complex processes into the operating procedure. Transportation control is the major component of Metasyst Informatik's METALAG material flow control.

For warehouse automation, a controller module takes over the control and allocation of orders to the subordinate control system.

Your advantages

- Transfer of transport contracts from the superordinated system
- Optimization and coordination of transport contracts
- Forwarding to the warehouse automation units

Secure and efficient integration!

The module combines

- Pallet conveyance engineering (high rise racking storage)
- Conveyance engineering for containers and trays (automated bin storage)
- Racking cranes (high rise racking storage)
- Racking cranes (automated bin storage)
- Sorting system
- Carousel storage
- Shuttle
- Identification-point / check-point
- Dispatch lines
- Labellers
- and much more



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Forklift Guidance System FGS



The fundamental tasks of forklift guidance systems are the optimal control of ground conveyors and the optimized execution of all transport orders – from taking over the production to loading it on a truck or train. The driver receives his orders to his terminal via data radio or online communication.

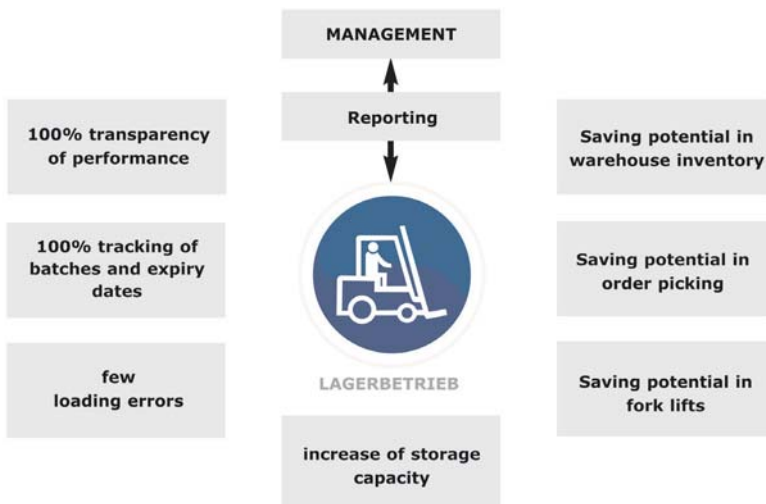
The truck guidance system manages transport orders sorted by priority level. It works in a time and route optimized manner, enables double cycles, thus saving unnecessary empty miles.

With our strategic partner **Locanis AG** we carry out projects with truck guidance systems, allowing you to profit from a hitch-free and integrated process.

Your advantages

- 3D real time visualization for optimized planning of capacity and resources
- Optimization of all forklift truck movements
- Reduction of empty trips
- Accurate stock and batch management
- precise destination control of storage, retrieval and re-positioning of stocks
- automatic supplies and availability for order picking straight to the point

locanis intelliGence®



Forklift Guidance System FGS



Measurement, Hardware and Software

To implement a forklift guidance system, the modeling of the warehouse, the measuring of the storage places and the reference stripes are necessary. This data will be integrated into the software.

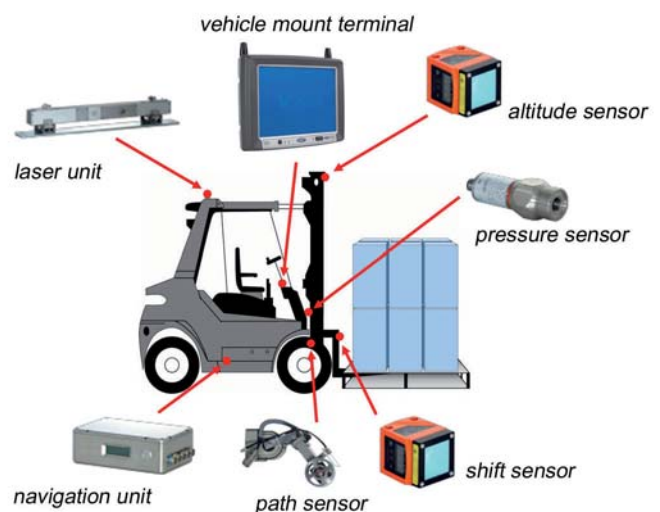
The warehouse and the forklifts will be equipped with the required hardware for the navigation. The software for the WMS and FGS will be installed and launched.

Forklift components for a FGS

All relevant data of a transport order will be determined automatically by using sensors. This data will be checked by the FGS. In the case of any deviance the system will be informed and asked for correction.

Laserreflectors in the ceiling permit permanent position synchronisation via laser units at the forklift.

Optimization of time, route and capabilities!



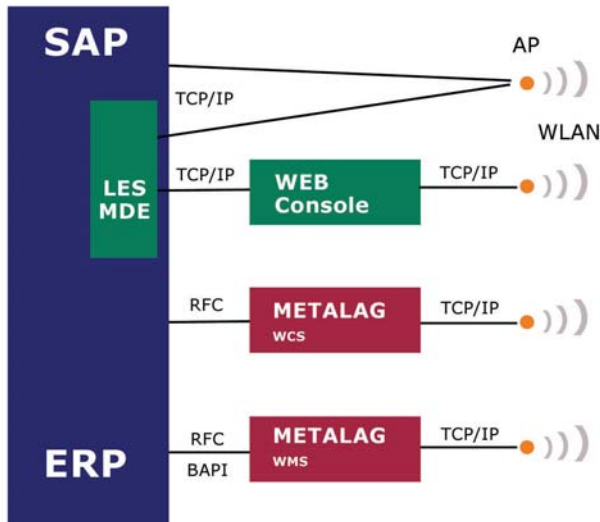
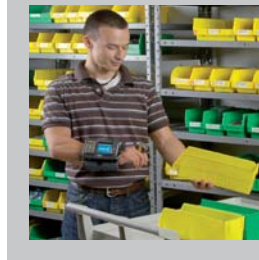


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Mobile Terminals

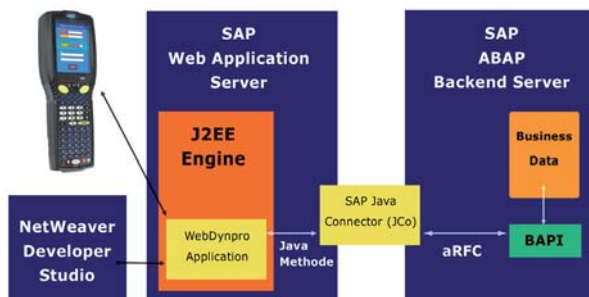


Vehicle-Mount Computer
Tablet PC, SAP-GUI

Handheld Computer/PDA
Pocket PC, Browser JSP

Vehicle-Mount Computer
Handheld Computer/PDA
Pick by Voice

Vehicle-Mount Computer
Handheld Computer
Java-Client

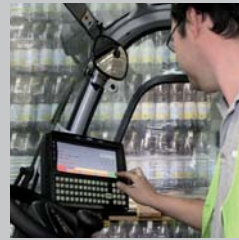


SAP NetWeaver

The **SAP NetWeaver** Developer Studio offers a complete support in developing java projects, including mobile applications in logistics.

In this development environment the integration of mobile logistics applications without Middleware or subsystems respectively is possible.

Handheld and Vehicle-Mount Computers



The efficiency of warehouses and distribution centres takes on an ever more important part when it comes to a firm's economic viability. On time and accurate information is the key to minimize expensive logistics operations.

Auto ID solutions provide real-time information for better forecasting, increase automation for product handling a faster customer service and return on investment.

Metasyst warehouse projects contain the best product selections, supplies, installations and start-ups for hand and vehicle terminals in logistics.

**Real-time tracing
with radio data
transmission!**

Handheld and Vehicle-Mount Computers

Handheld Computers

Scanners for capturing operating data will be evaluated and implemented in collaboration with our customers in attention to business and warehouse situation.

Vehicle-Mount Computers

Compact and cost-effective vehicle-terminals with a lot of fixing opportunities can also be useful for capturing operating data.

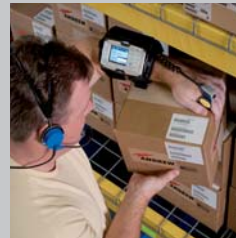




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Pick by Voice



Voice-ready systems consist of a mobile terminal with integrated radio data transmission and a headset (loudspeaker plus microphone) which are carried on the body.

Modern headsets communicate via wireless technology. The majority of mobile terminals are already voice ready and are easy to integrate.

We offer a complete, integrative and technically matured voice control system and support you from the planning stages to the implementation.

Picking with radio data transmission!

Your advantages

Free hands

Fast order picking thanks to two free hands, better performance and productivity. Especially in special environments like hygienic environments and cold storage.

Free eyes

The WMS-users are able to pay more attention to their work and environment without getting diverted by looking at vouchers or handheld terminals. This increases security and the WMS-Users concentration.

Using voice systems, orderpicking errors will be halved, costs will be reduced and the quality standards of order picking will increase.

Clients who trust us



Our logistics solutions are being used in various sectors across Europe. Many of our clients appreciate our experience and flexibility.

We are customer oriented and have realized 200 projects at home and abroad. Here you can find an extract from our references:

Contact visit of reference

You would like to view one of our references? Just contact us!

keyword "visit of reference" to:
info@metasyst.at

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I N F O R M A T I K

Optimiert Ihre Logistikprozesse...



Günther Laber



Mag. Karl Kaufmann

About Metasyst Informatik

Proven and internationally experienced experts merged to form METASYST Informatik in 1990. Longstanding experience in various areas and a multi-faceted IT-background form the basis. Flexibility, quality consciousness and sensibility to the clients' individual problems make the team at METASYST Informatik a competent partner.

As it is a family-run business of the families Laber and Kaufmann, continuity and the safeguarding of the future are at the forefront of firm policies, providing long-term investment security for Metasyst partners.

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