WAREHOUSE MANAGEMENT

Brief description

SuPCIS **L8**

Warehouse Management

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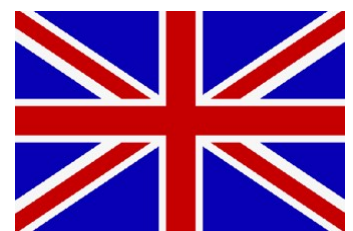
For 30 years now, S&P has been implementing software and systems for company-internal logistics. The experience of more than 400 man-years in the implementation of complex logistics systems is used to provide our clients with a best-in-class product. Flexible, highly adaptable, stable and configurable to match your warehouse topology and the processes in your warehouse. For special requirements, we customize the application to your defined task on the basis of the standard modules. Tailored instead of ready-made – but at a cost where you would elsewhere only just get the licenses.

SuPCIS-L8 is more than just warehouse management as you know it from the common ERP and stock inventory management systems. SuPCIS-L8 has been specially developed as a module kit to support and control the processes in warehouse-logistic systems.
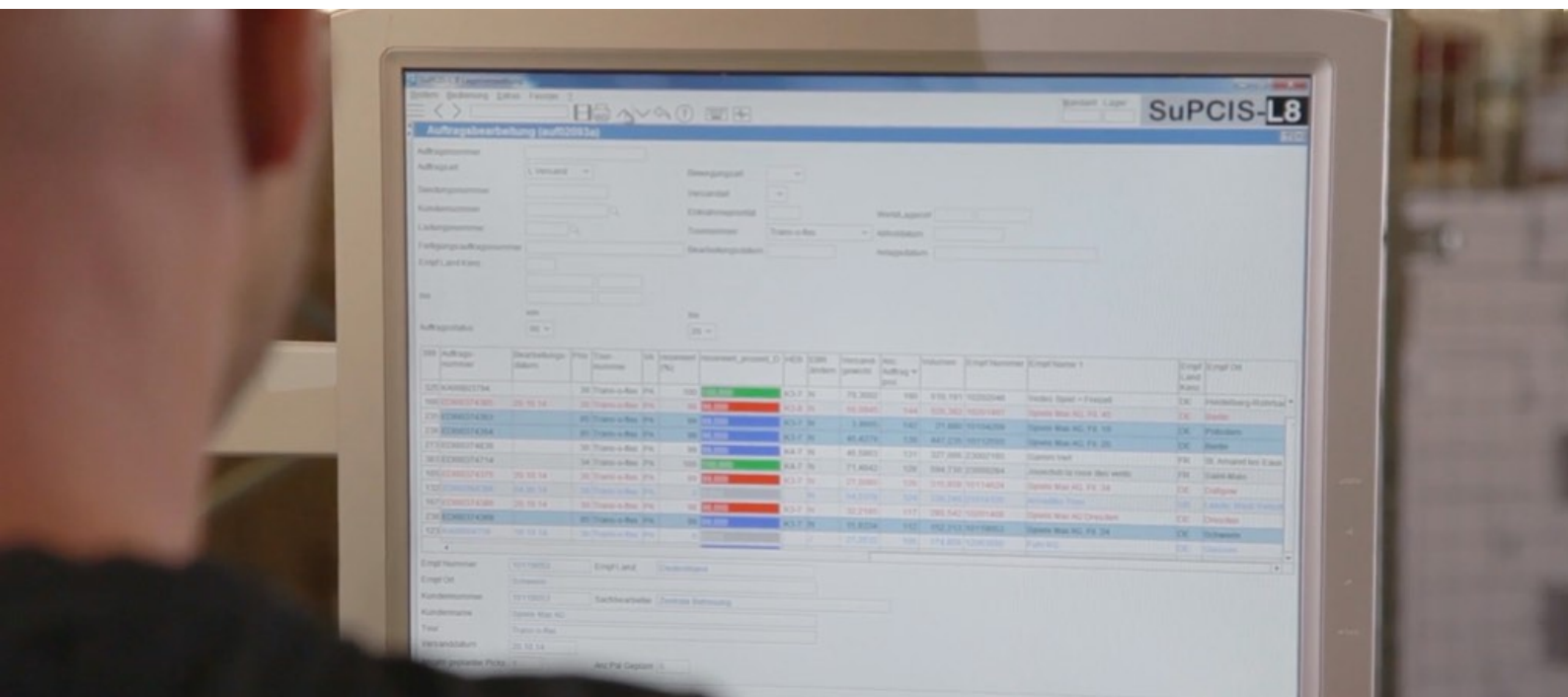
Proven

At the moment, thousands of workstations are operated in over 130 companies of various sizes with SuPCIS-L8 solutions. From mid-sized logistics service providers to complex group solutions with several of locations, wide ranges of configurations from barcode or data-radio-based manual warehouses all the way to highly automated distribution and production centers, SuPCIS-L8 fits. Especially in complex systems with different warehousing technologies, the benefits of the solution are fully exploited.

SuPCIS-L8 offers the required modules for an overall logistics management system. Alongside the basic warehouse and inventory management, SuPCIS-L8 features
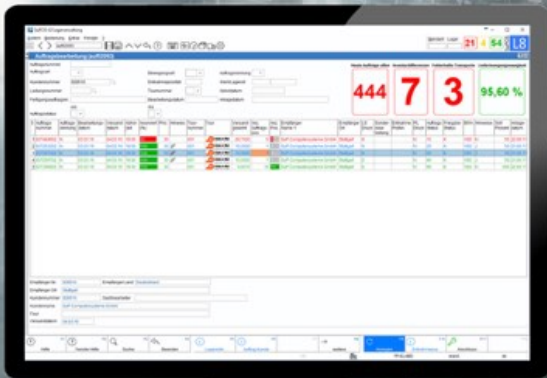
- Warehouse and material flow management,
- Consignment guidance system,
- Fork-lift truck guidance system,
- Logistics control room

to optimize operative business transactions

Configurable

To supplement the industry-neutral basic package, add-on modules can be used to create sector-specific solutions. Among others, SuPCIS-L8 has already been customized to fashion/textiles, wood/furniture, books/media, wholesale, retail and many other sectors.

Independent

SuPCIS-L8 can be run autarkical. As a common scenario, however, it is integrated into the existing system landscape (e.g. SAP, Navision, SoftM or other host systems). Over 40 different host systems have been connected via standardized or certified interfaces. SuPCIS-L8 is available on Unix, Linux and Microsoft Windows servers.

Available

SuPCIS-L8 solutions feature a high level of availability. They run around the clock - which is something you can rely on - just like our helpdesk service: if you wish, 24/7 on 365 days a year.

Technically up-to-date
The new (inter) face

The new SuPCIS-L8 user interface has been developed using a highly efficient Java framework, providing the individual functions with an excellent basis for low-cost adaptations and user convenience, stability and performance. The interface design of the individual application functions is handled by a special FormEditor, which can also modify the XML form descriptions online. An integrated component repository with multi-lingual capability monitors the common features of the application functions.

Conventional Windows applications (Thick Clients) provide the usual operating convenience, but require a great deal of overhead with regard to maintenance and distribution of the application in the network.

Internet applications (Thin Clients), where no software except for a browser is required on the workstation, only offer low operating convenience.

Our current Smart Client architecture combines the advantages: Installing and updating new versions is done automatically. The convenient operation and configuration of the dialogs using a database provide completely new options on stationary and mobile workstations.

SuPCIS-L8 is started in the browser remotely via Java WebStart.

Properties of the user interface

- Multilingual capability
- Client capability
- User-specific or user-group-specific definition of menus
- Can be fully operated via keyboard
- Navigation area can be shown and hidden with a function key/button
- Hierarchical representation of menu in the navigation area
- Direct call-up of functions
- Definition of user-specific or user-group-specific view profiles in list dialogs
- Rotated representation of tables in information functions
- Free definition of sorting and column positions in list dialogs
- Tab registers for display of the same data in different representation without server access
- Integration of graphical statistics
- Changing screen resolution also during operation
- Browsing back and forth through a number of windows simultaneously or in cascade
- Cut/paste for field contents, also from table areas
- Printing the selected area (also PDF)
- Excel export of the displayed area
- Print preview
- Reprinting of documents via preview function
- Tool tips to explain fields
- Integrated, browser-based online help system

The base for every installation

Even as the basic package, SuPCIS-L8 offers all the major functions to optimize efficient operation in a warehouse: client, multiple warehouse and multiple workstation capabilities as well as batch administration and tracking of delivered goods is ensured.

Info Transportauftrag Bestand (inf09103)

Variante | Ziel Lagerbereich
Transporttyp | Zieladresse
Transportstatus | Artikelnummer 000088%
LE-Nummer | Artikelbezeichnung
Quellagerbereich | Bestellnummer
Quelladresse

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| F4 Beenden | F5 Transport | F6 | F7 Detail | F8 | F9 Anzeigen | F10 | F11 | F12 |

Configurator

The Configurator is used to configure, among other parameters, the warehouse topology and assignment of articles to the individual areas.

Configuration of any number of
- Warehouse areas
- Storage bays
- Consignment areas
- Item number master data records
- Warehouse item number master data records
- LE and LHM types
- Movement types

Goods receipt

Deliveries are transferred by the superimposed system or recorded in SuPCIS-L8. Goods can also be processed as blocked and dispersed.

Creating goods receipt, including advance reservation
- Editing goods receipt
- Repacking into stored LHM type and splitting to warehouse areas
- Printing accompanying document
- Mixed pallet formation
- Cross docking (bypass)
- I point
- Dispersion confirmation

The modern architecture of SuPCIS-L8 offers protection of your investment for many years to come.

Dispersion strategies

Fixed location administration or dynamic (chaotic) warehouse location assignment take account of various zoning criteria:

- ABC
- Hazardous goods classes
- Height classes
- LE types
- Weight classes
- Climate classes
- Even article distribution
- Even aisle distribution

If zones are occupied, SuPCIS-L8 controls the overflow into larger spaces (weight, height) or the next ABC class.

Transfers

Withdrawal orders can also be transferred via the interface or recorded in the system

- Recording withdrawal order, including packing instructions
- Material requisition
- Manual stock reservation
- Automatic stock reservation
- Replenishment orders due to stock undercoverage in warehouse areas
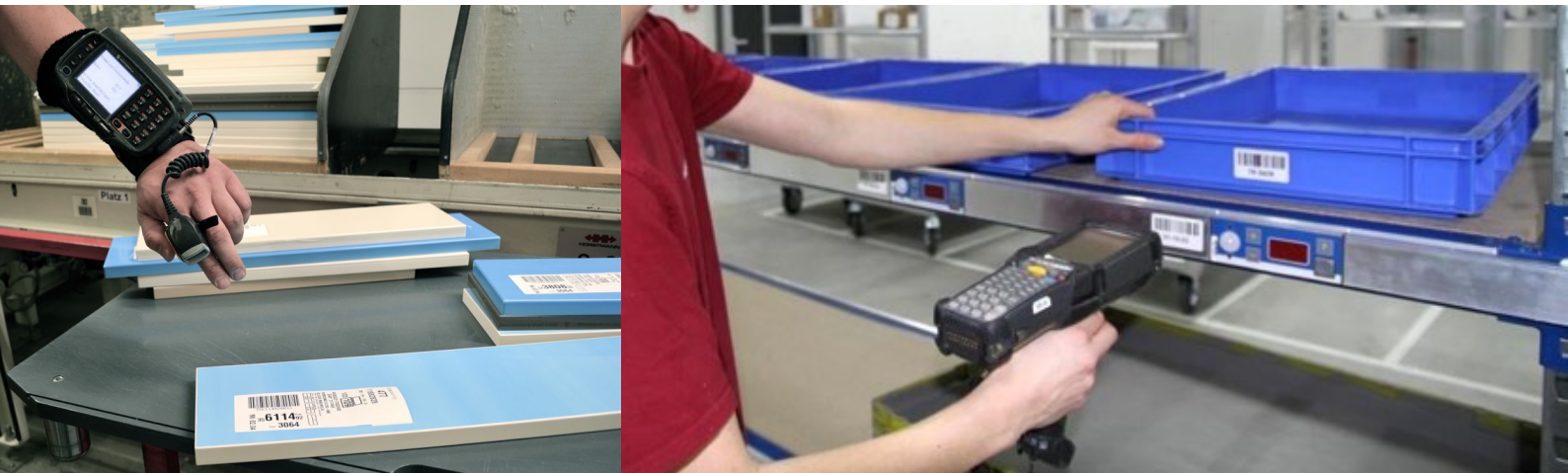
Physical inventory

Performance of the key date or permanent physical inventory:

- Physical inventory proposal list
- Recording physical inventory order
- Approval of physical inventory order
- Confirmation of physical inventory list

Operating management

Even during operation, the stocks and storage bays can be blocked or released:

- Warehouse stocks
- Item numbers/batches
- Storage bays
- Storage aisles

Transfer strategies

Reservation of stocks for orders on the basis of:

- First-In-First-Out (Fifo)
- Full units where possible
- Opened units where possible
Compliance with advance reservations

Consigning

Withdrawal orders are distributed as consignment orders to the consigning areas.

- Manual or automatic approval
- Printing of path-optimized consigning lists
- Confirmation of consigning lists per packaging unit, including difference processing
- Collective confirmation
- Packing
- Printing delivery note

For transparency and efficiency
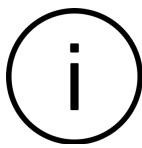
Information

SuPCIS-L8 provides a comprehensive information system to represent the performance capability of the warehouse:
- Received goods lists
- Stock movements
- Order progress
- Consigning
- Warehouse reflection
- ABC analysis
- List of non-moving items
- Physical inventory proposal list

Statistics

The statistics system provides information to analyze and improve operation of the warehouse:
- Received goods statistics
- Movement statistics
- Order statistics
- Consigning performance
- Remaining warehouse capacity

Cockpit

The cockpit offers customizable dashboards for greater efficiency and transparency in the control room. The dashboards show all relevant data updated in real-time, such as performance and daily progress and levels of warehouse occupancy. The integrated notification center visualizes in a clear form critical situations on the part of systems engineering and logistics. Contents are clickable and lead directly to the respective area.

For the support of all processes

SuPCIS-L8 modules

Alongside the basic modules, there are a large number of add-on functions in order to implement the best possible solution for each individual requirement.

The system can be implemented gradually and, as demands rise, other logistic modules (functions) can be added.

Orders

Orders can be stored as the basis for received goods.

Product pictures

Digital pictures of articles can be shown to increase security and enhance consigning performance.

Formation of consignments

Orders can be grouped into consignments and tours and processed jointly in the warehouse management system.

Order planning

Specification of the sequence for consigning and provision on the basis of the planned loading time.

Batch planning

Batch planning can be used to guide orders and replenishments in waves through the warehouse.

Bills of material

Appropriation of sales bills of material into deliverable individual components for consigning.

Utilization planning

Consigning zones can be planned dynamically for pending orders and occupied many times over within one day with different articles.

Needs-oriented stock replenishment

Prioritize and arrange stock replenishments in advance of future orders.

Packing material calculation

SuPCIS-L8 can calculate packaging units to specify the cardboard type for consigning.

Collective transfer formation

A number of orders can be grouped into path-optimized collective transfers.

Pick & pack

On withdrawal, consigning takes place directly into the packaging unit calculated by the system.

Sequential consigning

A consigning container can be passed on sequentially over a number of consigning areas.

Negative consigning

Support of negative consigning to facilitate goods withdrawal.

Multi-stage consigning

Withdrawal related to articles or consignments with distribution of the goods to packaging units in a second consigning stage.

KANBAN

Supply of manufacturing with the stock replenishment of containers on the basis of kanban requests.

Serial numbers

Serial numbers are recorded during consigning.

Production orders

Supply of manufacturing with raw materials and auxiliary materials with goods receipt notification of expected finished parts at the same time.

Prefabrication

Management of bills of material for prefabrication (e.g. displays).

Customer master data records

Parameters stored in the customer master record control consigning and shipping management.

For maximum functionality

Empties account

Packing materials recorded during packing can be posted to customer accounts and credited again in the course of goods receipt processing.

Special processing

Price labeling and other special processing can be integrated into the consigning and packing workflows.

Warehouse organization

Collation of loading units not filled to capacity. Purging of incorrect ABC allocations.

Goods dispatch zones

Management of goods dispatch zones and loading provision targets.

Hazardous goods texts

The hazardous goods texts are stored in the system and the weightings are printed on the delivery note.

Transit

Deliveries between a number of warehouse locations can be notified as received goods in the destination warehouse and taken in by means of scanning.

Multiple-depth storage

Warehouses can be configured as multiple-depth. SuPCIS-L8 arranges the necessary reallocations, taking account of any necessary restrictions.

Combined storage

Storage bays can be occupied with load carriers of different widths. SuPCIS-L8 uses the combination options and thus optimizes warehouse capacity.

Warehouse charge calculation

Warehouse charges and services provided can be documented.

Functions for an automatic warehouse

To control material flows and operate workstations (goods-to-man) in an automatic warehouse, the SuPCIS-L8 transport management provides a comprehensive package of functions that also meets complex requirements.

Consigning and sorting systems

To assist consigning, the following are supported:
- Sorters
- Consigning robots
- Data radio communication terminals

Pick-by-light

To accelerate consigning and enhance security, pick-by-light can be integrated both for withdrawal and packing.

Interfaces

Interfaces have already been implemented to a wide variety of systems:
- Loading space planning
- Dispatch systems
- EDI converters
- Advanced planning & scheduling
- Production planning
- ERP
- Labeling machines

Language versions

SuPCIS-L8 is available in German, English, Dutch and French. Other languages available on request.

S&P Computersysteme GmbH

S&P Computersysteme GmbH
Systemhaus für Logistik
Zettachring 4
70567 Stuttgart
Germany

Tel. +49(0)711 7 26 41 - 0
Fax +49(0)711 7 26 41 - 70

info@sup-logistik.de
www.sup-logistik.de

SuPCIS L8