

di:ALog *kanban*

The modular eKANBAN solution



- modern production control
Efficient – transparent – reliable

:Better than KANBAN

KANBAN solutions improve the security of production supply and facilitate the production control and planning. The stocks and storage capacities on the point of installation can significantly be reduced by means of KANBAN solutions.

Traditional KANBAN-solutions use for replenishment order releases simple KANBAN cards, which are gathered regularly at the point of installation. This method however cannot meet many of the requirements to a modern production organization.

Examples for the limit of traditional KANBAN-solutions are:

- Long replacement times, among others caused by the gathering and analysis of KANBAN cards,
- Only manual optimization of transportation and loading processes,
- No information to persons involved on work progress of replenishment orders and eventual disruptions,
- No possibility to check the correspondence of supply and material requisitions automatically,
- No Online connection to software systems as ERP or WMS.

By means of **di:ALog kanban**, a modular eKANBAN-system, disadvantages of traditional KANBAN-solutions can be removed.

Principle of **di:ALog kanban**

The material requisitions are being registered electronically at the point of use with **di:ALog kanban**.

Based on the material requisitions **di:ALog kanban** becomes able to permanently monitor and to optimize subsequent processes as material withdrawals from warehouse, transportation routes, registration of disruptions or the supply of the consumption points.

Furthermore, **di:ALog kanban** is able to transmit any information to other software systems.

di:ALog kanban has a modular structure and is therefore ideally adaptable to each process.



:Details and properties

Examples for the capture of material requisitions at the point of use:

- Automatically registered storage or withdrawal from KANBAN boxes by means of sensors or RFID
- Manual switch operating
- Manual scanning of code carriers as barcodes or RFID
- Data capturing at terminals
- Dropping RFID-KANBAN-cards into RFID post boxes
- Putting RFID-KANBAN-cards on RFID-KANBAN-tables

Less resources and higher flexibility

- Considerable reduction of security deposits and storage capacities at point of use
- Significant increase of the flexibility in production

Remarkable quality and efficiency improvement of transportation and loading processes

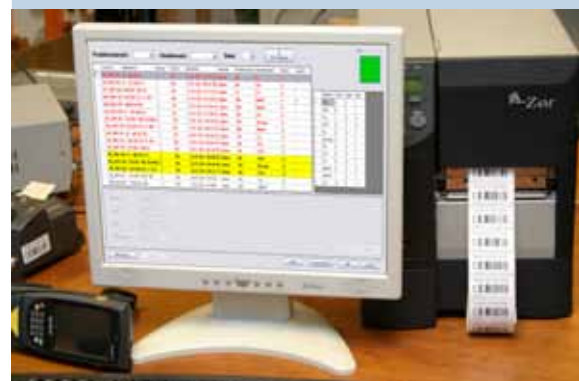
- Substantial reduction of replacement time by registering and processing of material requisitions in real time
- Support at loading and withdrawal processes by acoustic and optic assistance as Pick by Light
- Error avoidance by monitoring the withdrawals from storage and deliveries to point of use
- Optimization of routes, personnel and transportation goods e.g. by coordinating several replenishment orders, multiple order picking or consideration of storage structures

100 % process transparency

- Permanent information to all partners involved on the working progress
- Control station with an overview on all processes
- Visualization of status and advance warning status (visualized by e.g. red / orange /green)
- Allocation of priorities
- Evaluation

Seamless systems integration

- Online connection to subsequent systems as e.g. ERP, WMS, MES or lift truck control, etc.
- Material debit in real time
- Continuous information flow from the point of use to the material supplier or replenishment production will be possible



:Comprehensive solution from one source

Our supply and service range comprises software, hardware, modules and complex systems for the optimization of any material and goods flows within the company as well as consulting and project management. Certified interfaces set stable connections to SAP or other ERP systems.

Dresden Informatik Advanced Logistics Suite

- di:ALog *warehouse*** - the innovative warehouse management
- di:ALog *material flow*** - the material flow calculator
- di:ALog *yard*** - the yard management system
- di:ALog *automation*** - automation in the warehouse
- di:ALog *track&trace*** - package and goods tracking
- di:ALog *kanban*** - the modular eKANBAN solution
- di:ALog *link*** - the intelligent IoT-Middleware
- di:ALog *mobile*** - the Mobile Data Capture

Hardware

Barcode technology
RFID technology
Mobile data capture devices
PCs and server applicable for industry
Network and WLAN technology
Warehouse and tracking technology
Specialized solution



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