

# Optimized warehouse management with SAP-EWM

**Trilux:** development and production of luminaires and provision of lighting solutions



**TRILUX GmbH & Co. KG, a provider of lamps and lighting solutions, operates a central distribution center (European Distribution Center, EDC) as an outbound delivery warehouse that is the central logistics hub of TRILUX.**

A warehouse for production supply with a connected high bay warehouse is also situated here. In 2012, Körber successfully implemented SAP EWM at TRILUX's central distribution center (EDC) and high bay warehouse (HBW). The large range of services for warehouse management as well as the material flow control and the continuous development of the standard software should enable a direct realization of new TRILUX requirements at any time in the future. The advantage was that the system could be seamlessly integrated into TRILUX's existing SAP landscape.

## At a glance

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### Project goals

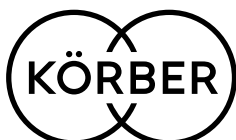
- Implementation of SAP EWM in the EDC and HBW
- Securing process authority for fast and flexible process creation

### Solution

- SAP EWM (Extended Warehouse Management)
- Add-on to Emulation

### Features and benefits

- Continuous and efficient logistics processes from the SAP ERP system to Warehouse Management



## Requirements

TRILUX considered the securing of process authorization to be very important for fast and flexible process creation. In addition, it wanted to profit from the innovations in SAP EWM product development and ensure the strategic development of TRILUX logistics for the TRILUX group's service provider. This means that the insourcing of logistics processes of the TRILUX subsidiaries is possible thanks to the multi-company capability of SAP EWM. The standard software should thus be able to directly implement new, future TRILUX requirements anytime. An advantage was that the system could be seamlessly integrated into TRILUX's already available SAP landscape.

## The solution

The high bay warehouse including the pre-zone and the rack warehouse areas for production supply could already go live with SAP EWM at the beginning of June 2012. TRILUX received full stock and movement transparency on a uniform logistics platform as well as a stable and continuous connection of the conveyor technology with SAP EWM MFS. K.Motion SIM, Körber's simulation tool, accelerated the project. Conveyor technology telegrams could be simulated with it and processes supported by a visualization could be tested in advance.

In order to fulfill diverse customer requirements and delivery units in goods issue with the optimal use of time and resources, TRILUX employs SAP EWM's wave management. Transports are planned in SAP ERP and use wave templates with the latest starting time.

This assumes, however, that the times of all work processes are recorded. The system can also integrate special waves into the planning and modify them on short notice. TRILUX also extensively makes use of SAP EWM's resource management for forklift control.

## Special Functions

During packing, various customer requirements are incorporated in different packing codes. The arrangement of products on the pallets, for example, depends on whether they are warehouse goods or project goods of a wholesaler or if special requirements from the construction site logistics must be met. Furthermore, the search logic of SAP EWM is used for staging areas. An additional packing dialog is used in the standard to support the packer.

Some of the application's special functions also supported the precise fit of the software solution for TRILUX. This way, TRILUX can always trace its products without batch assignment because the connection to the Goods Receipt ASNs is documented through to Goods Issue. Through individual text entry for handling units, the process' information is preserved.

Thanks to the migration to SAP EWM carried out by Körber, all project goals could be met in the EDC. TRILUX is now assured a process design that fulfills any requirements. SAP EWM also provides a high level of flexibility in processing as well as complete stock and movement transparency. This is because it is optimally integrated into TRILUX's SAP landscape and, in conjunction with the high bay warehouse for production supply, forms a uniform logistics platform.

**“We are very satisfied with the project progress. The collaboration of the project team consisting of half Körber and half TRILUX employees was problem free.”**

### Stefan Hecking

Logistics Manager and Member of the Executive Board, Trilux GmbH & Co. KG

