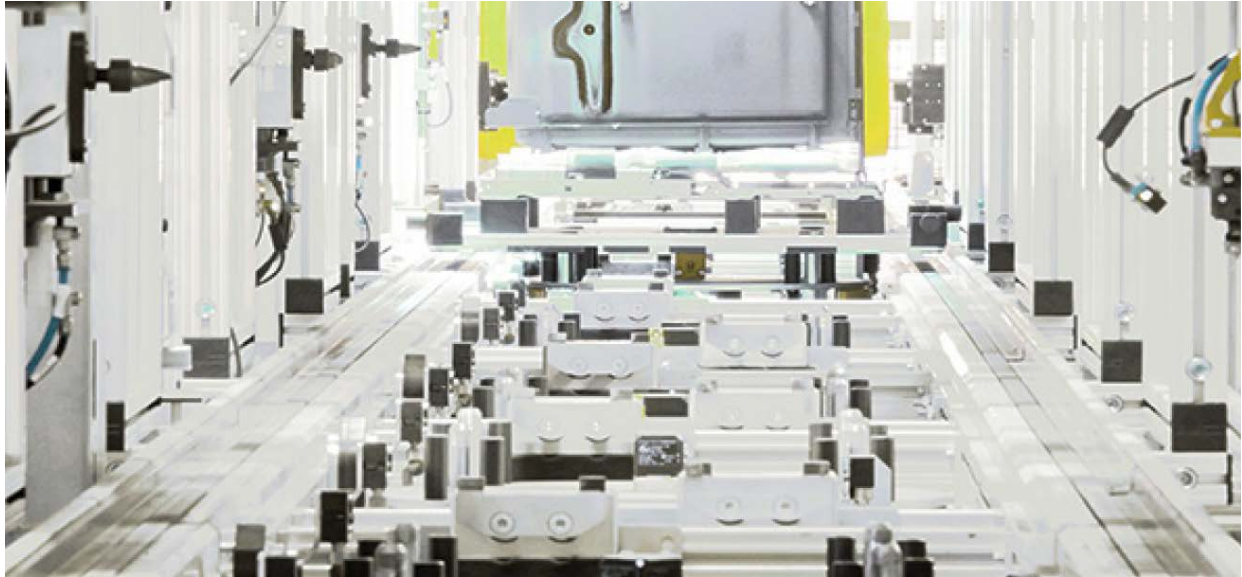


Moving on to central transport planning

BSH: Time for transport planning changes



BSH is not only an multi-award winning employer, but also at the forefront in developing innovative solutions. Among the appliances developed by BSH for the networked kitchen is the world's most energy efficient dryer that was launched at the "Energy Excellence Initiative" in 2008; another is the "Home Connect" platform, which was created in 2013 and which enables an intelligent dishwasher with the Home Connect function to switch on only when the home's solar panels produce enough electricity or when it can opt for the currently cheapest electricity rate.

Production and logistics are also becoming increasingly interconnected. A prime example of this is the interlinked production line at the German site in Giengen an der Brenz: approximately 1.7 million refrigerators and freezers roll off the production line every year.

Requirements

50 years after BSH Hausgeräte GmbH was established, BSH's logistics network includes production sites, regional warehouses and cross-docking sites all over the world. Reason enough to introduce an efficient

Project goals

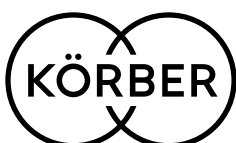
- Replacement of the heterogeneous system landscape with a central transport solution
- Optimized transport planning and control
- Integrated freight cost calculation and invoicing as well as cost allocation

Products and solutions

- SAP TM 9.3

Main benefit for the customer

- Consolidation of transport requirements from different systems
- Usage of synergies during transport planning
- High automation potential for various processes along the transport and supply chain
- Comprehensive expansion options



transport management system that optimally supports the growth of the leading home appliance manufacturer. Körber AG implemented the template based on SAP TM 9.3 in Great Britain as a first step. Now phase II has started: The system will be rolled out at further sites and the integrated templates will be expanded.

Ensuring the economic, ecological and timely provision and distribution of finished products to customers were the reasons for testing existing logistics systems. More differentiated customer requirements and increased order volumes also made intelligent and flexible solutions necessary, for example, to manage the merging of transport requirements from different systems. In the future, a modern transport management system will support the processes efficiently and transparently and create new potential for control and optimization including the planning of production supply.

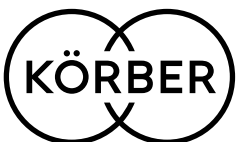
The solution

Körber AG was commissioned to implement a solution based on SAP TM in 2016. The main focus was on replacing the heterogeneous system landscape and the decentralized solutions for transport planning with a central transport solution.

The solution was to be able to be connected to various ERP systems as well as provide cross-booking range billing and other functions for transport planning, including load space optimization and freight cost calculation. In the future, this should also make it possible to consolidate transport requirements from different systems and to take on new organizational and planning tasks.

“The cooperation was goal-oriented and the Körber team was always fast to respond. In addition, their conceptual work was good, their specialized knowledge excellent and their understanding of processes resulted in practical solution approaches.”

Margareta Vogl,
Global Supply Chain Logistics at BSH Hausgeräte GmbH



Körber initially responded to these requirements with two different solutions based on SAP modules. In an evaluation phase conducted by Körber, the solutions were compared, SAP TM was chosen as the target system and the system architecture as well as functional requirements for the new system were defined.

With regard to integrability, SAP TM offers considerable added value by creating a uniform view of transport requirements from different source systems and different objects. The warehouses, which are also managed with SAP, are linked and obtain planning-relevant transport information directly from SAP TM. The system also offers sophisticated options for carrying out integrated planning, interacting with partners in collaborative scenarios, calculating cargo and distributing costs causally. In doing so, BSH is relying on additional functionalities that are combined under the roof of a centrally integrated application.

Single and multi-stage transports are planned for different carriers that handle deliveries and relocations. Order-based planning is just as possible as planning based on delivery schedules. The most suitable carrier can be determined automatically for each transport segment. An fundamental prerequisite for adjacent warehouse processes is the formation of packages and shipments. The integrated SAP EM (Event Management) system is planned for process monitoring.

BSH attaches particular importance to the overall concept: With SAP TM, the company will be using a uniform solution for its worldwide transport network. Transports can be optimally planned and controlled, freight costs are calculated or invoiced and allocated. The use of the so-called collaboration portal also creates the necessary interfaces via which external service providers and carriers are involved.

With these objectives in mind, the project kicked off as a pilot in July 2016 in Great Britain. This was followed in May 2017 by the go-lives of two warehouses and eight cross-docking points operated by BSH in Great Britain. Within 48 hours, BSH delivers goods to customers in a one to two stage distribution processes. Approximately 100 trucks per day deliver around 4 million units per year.

Now SAP TM is being implemented at other European locations in Germany and Poland. A road map has already been drawn up for worldwide integration in subsequent years. Ultimately, the previous delivery based planning system will be extended to include order-based planning. BSH is looking forward to the future with SAP TM.