

Global consumer goods manufacturer

Daily planning for exports, from production sites to distribution centers, in a familiar SAP environment

This global consumer goods company headquartered in Germany has a yearly turnover of around 7 billion Euros. Their products and brands are sold in 200 countries worldwide. They chose to work with ORTEC to streamline and realign internal logistics, as part of an extensive project.



The Challenge

This consumer goods manufacturer was looking for a way to plan exports from their production sites to their distribution centers in the best possible, automated way. They wanted to increase automation and preferred a solution that would enable them to optimize loads directly within their SAP ERP.

ORTEC developed a template to globally roll-out the solution in various production centers, taking each center's requirements into account. In a European location, dispatchers are already planning transports / containers to be shipped to different sites in Europe and other continents.

The basis of the loading planning is not standard SAP documents, such as the SAP Sales Order or the SAP Stock Transport Order. The plan is built using SAP Handling Units instead. A handling unit corresponds to a pallet in the goods issue area. For the customer, it was important to take pre-defined priorities for individual handling units into account during the load space optimization process.



Industry

Consumer goods industry

Solution

- ORTEC for SAP (O4S)

Modules:

- TLO (Transport Load Optimizer)
- PPO / VSO (Pallet- and Load Building)

The Solution

The consumer goods company chose ORTEC for SAP (O4S), a certified SAP add-on for logistics optimization. Besides the Transport Load Optimizer (TLO), ORTEC implemented optimization modules for pallet pack and vehicle space optimization (PPO + VSO). This allows the company's users to plan daily transports in their familiar SAP environment.

Using intelligent ORTEC algorithms, handling units are displayed in 3D graphics, amongst others, and then loaded into containers or trucks in an optimized manner, taking various restrictions, such as axle weight, into account.

SAP® Certified
Integration with SAP S/4HANA®

The screenshot displays the SAP interface for handling unit management. The top part shows a table with columns for Document, Plant, Stock Processing Group, MM Ref, Date, Batch, Quantity (Unit), Org Quant, Unit, Org Quant, Unit, Priority, Priority, Weight, Unit, Dest. Country Name, and Created On. Below the table, there is a 'Tool Builder Process List' section with a tree view. The main part of the screenshot is a 3D visualization of a container load, showing a stack of colored blocks representing handling units. The bottom right corner shows a summary of the load: Load ID: TLO-Tax000000, Container Type: 0000004 (1), Total weight: 18400, and Max Weight: 0.0000.

"The communication between ORTEC and the customers' project team was effective and seamless. Our technical implementation and infrastructure teams provided quick and efficient support. This dynamic collaboration led to a swift and successful completion of the project."

Peter Heide, Consultant at ORTEC

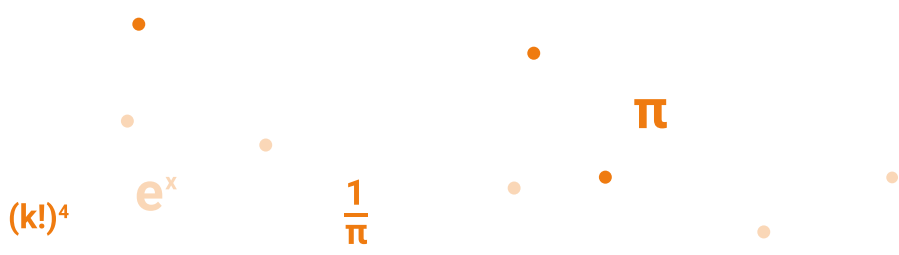
The Benefits

- Fully embedded in SAP / interface-free
- Efficient load unit utilization, taking specific loading rules into account
- Simple, automated planning of a large number of handling units, including the generation of follow-up processes and documents in SAP ERP
- Individual selection / planning option of handling units to be loaded per destination by the transport planner
- Improved planning flexibility, while considering various restrictions, such as priorities, stacking rules, center of gravity/axles weights, and more
- High planning security
- More transparency and improved internal and external communication

The Results

Our SAP-integrated solution for pallet- and load building supports this consumer goods manufacturer efficiently in planning their transports to distribution centers in foreign countries. After a positive experience in the first site in Europe, the solution was implemented at a production plant in Thailand. Another one in Brazil will follow shortly.

The software was introduced within a short time frame. The implementation went smoothly and completely on schedule. Costs remained below the calculated budget.



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