

## *Standard Shipping Management Tool for JELD-WEN Door Solutions*



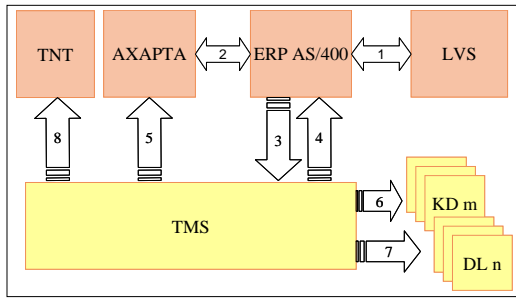
The JELD-WEN Group is Europe's largest manufacturer of wooden doors. With 14 plants in seven countries, including two in Germany, this company manufactures high-quality doors and accessories such as frames, mounting kits and handles in a variety of models suited to the market. Five existing logistics terminals and established distribution plants managed by Vest-Wood are normally responsible for delivery to more than 20 countries.

### **The Task**

Due to an expansion to the requirements for the existing logistics and to increased competitive pressure JELD-

WEN Door Solutions plans to bundle its previously used IT applications for planning and customer transport processing in a superordinate transport management system (TMS). The primary aim of this move is to eliminate redundancies in database organisation and data acquisition and to establish a smooth information flow for displaying the processes in materials handling. With the implementation of a TMS, JELD-WEN is pursuing the following goals:

- Reducing transport costs by minimising empty runs and through inter-model transport
- Increasing the delivery service
- Planning new sites taking into consideration cross-docking via simulations



To implement this plan, an IT system is required to support the core processes of transport management. These are:

- Adoption of customer orders from the AS/400 order system
- Generation of transport orders by bundling shipments
- Automatic route planning and manual dispatching
- Possibility of dispatcher intervention during tour
- Determination of the transport costs for billing the service provider

### The Solution

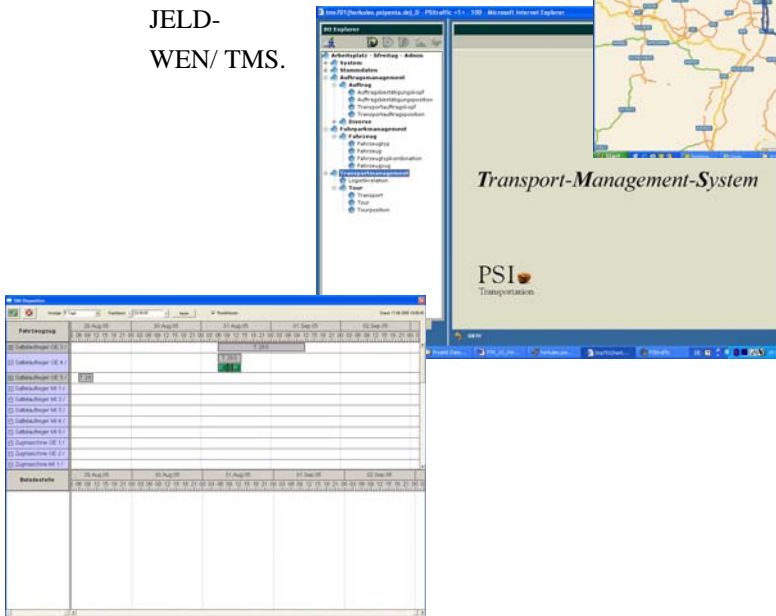
PSI Logistics GmbH has designed an IT concept which implements the requirements described above with a transport management system.

The concept is based on a powerful industry platform of PSI Logistics GmbH which forms a flexible basis for implementing the JELD-WEN/ TMS.

The modules of the system are:

- Information management
- Order management
- Transport management
- Transport processing
- Transport invoicing

The order management module supports the adoption of customer orders from the AS/400 order system. Transport orders are generated automatically through shipment bundling. Orders which are not to be processed for shipping (e.g. TNT) are filtered out according to preset criteria. In transport management, the transport orders are planned taking into account the preset rules and established restrictions for optimum round-trip routes. Using the automatic route planning the dispatcher can further optimize the tours interactively. When the tours have been approved, they can be monitored and settled with the forwarding companies upon completion.



Transport-Management-System

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