

PIRELLI: Tyre Logistics – OEM and After Market, CEVA Logistics Service Provider



CEVA Logistics is the second largest provider of logistics services worldwide. A wide range of logistics services form the central aspect of CEVA Logistics' business activity – ranging from consultation, conception and development right through to the implementation and start-up of complete supply chain solutions.

CEVA operates production and distribution warehouses for motorbike and car tyres for various clients in several locations in Odenwald. There are two locations just for Pirelli: Otzberg and Breuberg. Breuberg is also a production facility with a surface area of 40,000m².

Task Definition

PSI Logistics was commissioned to deliver the PSI*wms* warehouse management system to all sites and multiple clients. In addition to Pirelli, this includes Metzeler, Vredestein and Trelleborg. CEVA and PSI Logistics are connected by a strategic partnership that, along with the performance of the PSI*wms* was crucial to the decision to award PSI Logistics with this multi-client, multi-location project. The PSI*wms* was initially put into operation in 2003 at the site that handles tyre logistics for

Trouble-free change of warehouse location during routine operation.

Metzeler motorcycle tyres in Eppertshausen. In October 2003 the system was also installed at Otzberg. The distribution site, which primarily handles spare parts for the tyre market, is the main warehouse location. The Metzeler warehouse in Eppertshausen was relocated to Otzberg during routine operation at the end of 2003. Its functions were integrated into the existing system there. The system treats Metzeler as an external client from a technical point of view, although it forms part of the Pirelli Group.

The Breuberg site was put into operation without an interruption in tyre production.

CEVA handles tyre logistics for Pirelli, at the Breuberg site and the relevant dispatch centre. The brand new tyres are taken directly from the production site to the warehouse.

- Ingenious system for controlling warehouse flows with single/multiple transports via stations according to stacker type and permitted work areas

Configuration

The PSI*wms* is operated from the central CEVA Logistics computer centre. It runs on IBM AIX (RS 6000) with an Oracle database. The radio data transmission system was delivered by Psion Teklogix.

Special PSI*wms*-Provided Functions for Tyre Logistics

- Grouping of orders into routes according to dispatch criteria (country, postcode, order type) and goods handling at 45 bays
- Three commissioning strategies: Direct/export for large orders, quick commissioning (small lots are treated as normal lots) and two-stage motorcycle tyre commissioning
- Block storage space with differing and variable capacity
- Transport control with fuzzy algorithms, dynamic analysis of open transports with the following parameters: Location, distance correlation, waiting time and base-level priority

*PSI Logistics GmbH
Dircksenstraße 42-44
10178 Berlin, Germany
Telephone: +49 30 2801-2850
Fax: +49 30 2801-2851
www.psilogistics.com
info@psilogistics.com*

