



EBL – The logistics innovation center

Highest logistic precision in the spare parts business



■ ■ ■ Supply Chain Execution System LFS by E+P
The internationally leading expert for logistics solutions

■ **LFS.**

Highest logistic precision in the spare parts business

A 5,500 sqm large logistics center, more than 30,000 bin locations and more than 47,000 stored items: In the EBL logistics center, 20 employees guarantee smooth processes every day; for storing, packing and shipping all spare parts for the BOMAG (land, sea and air transport) – from the smallest washers to large driver's cabs. In order to optimize the storage and administration processes for the spare parts, the company counts on collaboration with the logistics experts from Ehrhardt + Partner (E+P) and their warehouse management system LFS. A Joint Venture of the two companies resulted in the company EBL - Ehrhardt + BOMAG Logistics, which shall take over this task as a subsidiary of the E+P Group.

Brought to the point: The logistics center in figures

- Surface: 23,000 sqm
- Warehouse building: approx. 5.500 sqm
- Options for an extension of the warehouse building: approx. 7.200 sqm

Dimensions:

- Hall length/width: 153 m x 67.5 m
- Hall height: 23 m
- Storage surface: 5,400 sqm



Kitting and pre-packaging

- Pre-packaging of delivered third-party items (100 – 200 positions per day)
- Composition of service kits based on bills of materials

Manual shelf storage – A1 warehouse for fast-moving items

- Surface: approx. 600 sqm
- Capacity: approx. 1,000 pallets
- Pallet bin locations on floor level
- Gravity racks for items in containers
- Pick-by-Voice and Put-to-Light
- Multi order picking



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LOGISTICS



High bay warehouse (HBW)

- Surface: approx. 1,600 sqm
- Pallet bin locations: 11,520 on 20 levels
- 4 aisles with four stacker cranes
- Transport capacity of the stacker cranes: 128 pallets/h
- Driving speed of one stacker crane: 3 m/s

Automated additional checks before storage:

- Image documentation of the pallets
- QR code recognition
- Weight control

Automated small parts warehouse (ASW)

- Surface: approx. 350 sqm including a front-zone
- 18,000 containers with 64,000 bin locations
- 3 aisles with 4 micro shuttles each
- Driving speed of one shuttle: 1m/s
- 3 picking locations with multi order picking

Packing and shipping

- 500 – 600 orders per day with 1,800 – 2,200 positions
- Automated reservation of the ordered goods in LFS
- Time frame between order reception and delivery of only 45 minutes
- Scan and weight control for the packages and pallets



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The intelligence of the warehouse is the modular and flexible warehouse management system LFS.wms from Ehrhardt + Partner, which is perfectly suited for the logistic requirements of the BOMAG spare parts business. LFS.wms allows an optimal adjustment to the special characteristics of handling spare parts. The integrated material flow controller LFS.mfc from E+P as a technology and producer-independent solution controls both the automated small parts warehouse and the high bay warehouse. The system provides a uniform intelligence for controlling the entire material and information flow in the EBL logistics center.

With its LFS Software Suite, the Ehrhardt + Partner Group (EPG) offers an industry-independent total solution and is one of the world's leading logistics experts. As a Supply Chain Execution System, LFS is currently successfully deployed on five continents and enables a control of all logistics processes across all industries. The internationally active company group was founded in 1987 and currently employs more than 500 people at 14 locations. More than 60,000 users worldwide use the system for their supply chain management. The range of services offered by the LFS software suite includes everything necessary for an integrated logistics control system. Currently, more than 1,000 customers from all industries are on the list of references.

The software runs on a central server in the Ehrhardt + Partner computer center. As an experience cloud and hosting expert and the best cloud solution provider in 2012 (IBM Bestseller Award), E+P is also responsible for the hosting service in the computer center in Duisburg, Germany. The data connection between the logistics center and Duisburg takes place via MPLS (Multiprotocol Label Switching). This guarantees the highest flexibility, accessibility and security.



The BOMAG GmbH is the world market leader in the domain of compaction technology. The company with headquarters in Boppard-Buchholz, Germany, produces machines for soil, asphalt and waste compaction. Currently, BOMAG has twelve international subsidiaries and six regional subsidiaries in Germany. 1,400 of the 2,200 employees work in the Boppard-Buchholz headquarters.



More Information
www.ehrhardt-partner.com



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Ehrhardt + Partner GmbH & Co. KG | Creating a smarter Logistics World

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