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## DSV-Lahr Case Study



- Mezzanine-level for efficient space use
- Optimized bin consolidation
- Bin dividers for handling multiple SKUs



INTRALOGISTICS





DSV Logistics, a global leader in transport and logistics, operates a specialized warehouse dedicated to handling small spare parts. This site is optimized for efficient storage, sorting, and distribution, ensuring quick and accurate fulfillment. Leveraging advanced technology and meticulous processes, DSV meets the needs of their clients, enhancing operational efficiency and reliability.

Location	Vertical	Activity	Warehouse	Go-Live Date
<b>Bochum, Germany</b>	<b>3PL</b>	<b>Omnichannel</b>	<b>Greenfield</b>	<b>November 2023</b>

#### Challenges

- Wasted vertical space
- Handling small to very small items - prone to picking errors
- Manpower challenges, including high labor costs, frequent errors, low efficiency, high turnover rates, and intensive training required
- Long walking distances
- Handling multiple SKUs in the same bin

#### Customer Value

- Successful utilization of vertical space by incorporating a mezzanine
- Bin dividers to organize small parts, increasing picking accuracy and improving inventory management
- Reduces picking time while handling multiple clients in the same storage area
- Reduces manpower needs while managing growth
- Improves working conditions by reducing picker distances, and improving ergonomics
- Enhances accuracy, drastically reducing errors
- Increasing flexibility of operations, allowing rapid adaptation to client and market changes

#### Solution

- Overall area: 2,100sqm (22,604sqft)
- Storage height: 5.3m (17.4ft)
- Bin material: Cardboard
- Bin height: 180mm-450mm (7.1"-17.7")
- Bin type: Divided - 1/2/4/8
- Storage zone: Mezzanine
- Robots: 30
- Picking stations: 5
- Inbound stations: 1

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