



Optimera

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Optimera is Norway's largest building materials retailer. The company offers its customers a comprehensive range of products comprising more than 25,000 items.

Warehouse and logistics situation

In 2005, Optimera chose to invest in vertical storage lifts for its smallest components. These took up a disproportionate amount of space in the otherwise 100% manual warehouse.

The solution

The solution includes six compact vertical storage lifts as well as the LOGIA WMS for managing the machines, including full integration with Optimera's ERP solution, Lawson M3. The vertical storage lifts are used for approximately 3,500 high-value, low-volume items, or for items in the manual warehouse that are sensitive to dust.

LOGIA controls storage and picking, including storage optimization and storage and picking efficiency. Receipt and shipping are carried out in Lawson M3, from which LOGIA retrieves data to generate storage and picking orders and returns data after order processing.

LOGIA manages the shelves of the lifts and divides them into several spaces to ensure a high degree of filling within them. At the same time, LOGIA controls the distribution of items on the six machines. This allows the maximum use of all vertical storage lifts

and ensures that all items are available. The storage and picking jobs are distributed evenly across the lifts to keep them all busy.

Optimized picking process

Order handling is run according to a batch picker principle, where up to 10 orders are picked in parallel at the same time. Orders are picked in the order determined by the order's association with the picking route. It is therefore the planned distribution that governs the picking order. When the picking batch is activated, the six vertical storage lifts automatically start to put forward shelves with picks.

On the lift's online screen, LOGIA shows which items to pick, which quantity to pick, and which space on the submitted shelf the article is placed. When the last order line is picked, the warehouse employee receives a message from LOGIA, and the order box is closed and provided with a label with information that can be used in connection with any consolidation with picks from other inventory sections.

During storage, LOGIA ensures that the vertical storage lift retrieves a location that fits the product, in terms of size and inventory, and taking into account whether the item should be FIFO-controlled or not.

Integration to Lawson M3

LOGIA automatically sends data to Lawson M3, where it is possible to keep track of inventory status and job execution throughout the day.