



CASE STUDY | FOOD INDUSTRY | FULL-SERVICE PROVIDER

MOHRENBRAUEREI

AUSTRIA

CUSTOMIZED MIXED SOLUTION AT THE MOHRENBRÄU BREWERY

SMART COMBINATION OF BLOCK AND HIGH-BAY WAREHOUSE

The Mohrenbräu brewery in Dornbirn is a company that has successfully made the transition from beer brewer to full-service provider. This has resulted in an acute need for action in logistics in order to handle larger batches in the future. The solution? A hybrid form from LTW.

The logistics at the Mohrenbräu brewery are based on a flourishing sales network that relies on 25 truck drivers with their tablets, a route planning app and an often long-standing and trusting relationship with customers.

Intensive cooperation with gastronomy and trading companies in the region has seen the Mohrenbräu brewery develop into a full-service provider. In addition to beer, the brewery now delivers wine, water and soft drinks too.

Challenge for LTW

The increasing degree of complexity in storage and picking is a new challenge. At the same time, the company has to react in an increasingly flexible manner to the delivery requests of its customers. The traceability of products back to their raw materials or beverage producers is also becoming more and more important.

At the beginning of 2014, the production department requested more space so it could handle larger batches in the future. This is when the specialists at LTW came into the equation.



„We quickly realized that only a reliable full-service provider can handle this construction site during operation, in the middle of the city center, and during the peak season. So the responsibility lies in a single hand – we don't have to spend time clarifying the interfaces.“

August Huber, Mohrenbräu Brewery Logistics Manager

Our company had already distinguished itself during the tender phase with impressive layout proposals and performance data. Another important factor in LTW's favor is its broad range of services



Mohrenbräu Brewery

Doktor-Waibel-Straße 2
6850 Dornbirn, Austria
mohrenbrauerei.at

Gründung: 1763, owned by the Huber family since 1834, market leader in Vorarlberg (in 8th generation)

Employees (2016): 120

Total sales (2016): € 22.9 million

Portfolio (2016):

- 18 million liters of beer,
- 3 million liters of wine,
- soft drinks, and other beverages



Mohrenbrauerei 2017: complete beverage supplier



Vertical lift as a connection between incoming and outgoing goods

Solution powered by LTW: a hybrid model

A clever mixed model emerged during the planning phase with the support of an external planning consultancy: a combination of a manual block warehouse and an automatic high-bay warehouse.

„You can't reinvent space, so the technical solution has to be all the more effective.“

August Huber, Mohrenbräu Brewery Logistics Manager

Its two-story configuration, with seven-meter and nine-meter high rack aisles, is determined by the existing building structure. Additional space is provided by the construction of a new order picking area on the flying roof of the adjacent truck dispatch hall.



Transfer car as perfect interface to the picking zone

Material flow

The material flows are designed from the perspective of delivery: the sequence of the arriving pallets corresponds to the truck routing plan, while still remaining flexible until the very last moment.

Pallets ordered as a double pack with the three highest-turn-over items arrive directly from the block warehouse on forklift trucks. All other items run into the upper, multi-depth shuttle shelf, and, from there, replenish the order picking area. The ready-to-ship mixed pallets reach the outbound area via the intermediate buffer of the lower high-bay rack. If necessary, additional items can be added right up until the last moment. The floors and stations are integrated through a complex conveyor system that includes vertical conveyors and transfer cars.

Implementation fully on schedule

The strategy has proven itself: after nine months of construction, the new plant will go into operation in February 2017 – right on schedule.

„Our employees quickly realized the benefits of the new, paperless workflow. The levels of stress and errors have dropped significantly. Everything runs smoothly.“

August Huber, Mohrenbräu Brewery Logistics Manager

More Infos at:

LTW.AT/en/references/detail/mohrenbrauerei

PROJECT OUTLINE



HIGH-BAY WAREHOUSE

- In-house construction
- Galvanized steel rack
- L x W x H: 40 x 13 x 7 or 9 m
- 2 rack aisles
- Approximately 1,000 pallet spaces
- Payload: 1,000 kg
- Temperature range: + 5 °C to + 35 °C



STACKER CRANES

- 1 aisle-bound stacker crane on the ground floor
Load handling device: double-depth telescopic fork
- 1 aisle-bound stacker crane on the upper floor
Load handling device: multi-depth cross-shuttle



CONVEYOR SYSTEM

- over 3 levels with 5 I-points incl.
- 1 transfer car
 - 1 vertical lift
 - Continuous conveyor technology



SOFTWARE

- Material flow system including storing position management for the automatic storage area
- Interface to the superordinated warehouse management system