

## CASE HISTORY

# PLZENSKY PRAZDROJ (ASAHI GROUP)

Plzeň, Czech Republic

Beverage



## The customer

Plzensky Prazdroj is the largest brewer in the Czech Republic and is part of the Japanese Asahi Group. Since 1842, it has supplied the amber drink to most of Europe, where it was the first brewery to use industrial processes, at the same time maintaining the fermentation phases unchanged. The city of Pilsen, where the immense historical headquarters are located, has its major centre of attraction and tourism precisely in this production plant, that is visited every day by many tourist groups.



## The customer's request

To build a new warehouse from scratch.

In search for optimising costs and ROI of newly built warehouse in brewery Radegast in Nošovice, the customer decided to turn to System Logistics to concretely meet customers technological needs. In particular, they needed a supplier who could support them in the development of a automated warehouse building containing an automated pallet storage system and capable of meeting specific technical and usage specifications.





## The solution

Working with the customer right from the start.

The System Logistics team examined all the elements of the project, based on the construction of a self-supporting building.

The "Block Storage" (stacked pallet) warehouse also includes various shipping areas dedicated to sideloading, backloading and secondary distribution, as well as a refilling area for picking. The AGV system can lift pallets to a height of 6 metres (2, 3 or 4 levels, depending on the type of product) and, thanks to the use of single/double forks, manages all picking operations from production, storage and handling, also tending some single-depth shelving dedicated to selective handling of single pallets.



The software system, also developed by System Logistics, is the spearhead of the project and, in addition to other important features, it regulates and defines all the first expire first out (FEFO), first in first out (FIFO) and last in first out (LIFO) logics, optimising sequences, times and spaces. This has ensured that, despite the complexity of the demands, sequences, and rules of the various end customers, the support to shipping and picking has proven effective and functional. The project began in 2019 in parallel with the construction of the new warehouse floor and became operational in just over 1.5 years.



## Highlights

- › Comprehensive management of the warehouse and all operational phases (production, storage, picking and shipping).
- › A system tailor made to the genuine needs of the customer.
- › Possibility of simulating the plant with different scenarios before deciding.
- › Scalability and flexibility of the system (AGV + software).
- › RoI analysis, costs and solution evaluated in collaboration with the customer.
- › System operational in 1.5 years.



« The customer chose us because, in addition to professionalism and competence, he found a reliable work team, ready to listen to real needs and willing to work with a proactive, dynamic and collaborative spirit. We implemented an ad hoc project based on our own AGV system and software management. They chose the quality of System Logistics and the value of its people ».

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