

CASE HISTORY

MAHOU-SAN MIGUEL

Madrid, Spain

Beverage



The Company

Mahou-San Miguel is a **global leader** in the beer industry, with a history dating back to 1890. With distribution reaching over 70 countries and a portfolio of more than 70 brands, it represents one of the most innovative and established entities in the market.

The Alovera plant, located in Guadalajara, is the group's largest production site and one of the most advanced in Europe. With a production capacity of 7 million hectoliters per year, it is the beating heart of the company thanks to cutting-edge technologies and optimized logistics management. The facility covers 430,000 square meters and hosts 11 packaging lines, 5 dedicated to reusable packaging and 6 to non-reusable packaging.



In-house Automation and Logistics

To meet the growing market demands and improve operational efficiency, Mahou-San Miguel has initiated a strategic partnership with System Logistics to automate and optimize the logistics flows at the Alovera site. The project involved the design and implementation of a fully automated self-supporting warehouse, designed to centralize internal logistics operations and integrate the plant's production lines with the shipping areas.



The structure rises to a height of 25 meters and features two main heads: one directly connected to the production lines for managing finished products and the other dedicated to managing shipments.

The connection between the warehouse, production lines, and shipping areas is ensured by an SVL loop consisting of 24 that allows continuous and automated pallet transport.



Benefits and Results Achieved

The intervention of System Logistics has brought concrete and tangible benefits to the operational management of the Alovera plant.

The centralization of logistics flows and warehouse automation have led to significant improvements in internal management, reducing handling times and ensuring greater precision and traceability in logistics operations.



This configuration not only reduces handling times but also improves traceability and coordination of internal flows. The capacity to manage loading and unloading operations has been further enhanced through the installation of 12 loading bays, capable of supporting traffic of 20 trucks per hour. This innovation has optimized the shipping process, significantly reducing waiting times and improving the ability to respond promptly to market demands.

Thanks to the integration of the automated warehouse with the production lines and loading bays, it has been possible to optimize the management of production resources and personnel, prevent supply chain interruptions, and minimize product losses. The automated system includes stacker cranes that operate with precision in pallet storage and retrieval operations, optimizing space utilization and minimizing errors. Additionally, the scalable and flexible design of the system allows the plant to adapt swiftly to future expansion needs or changes in production volumes, consolidating the company's competitiveness.

