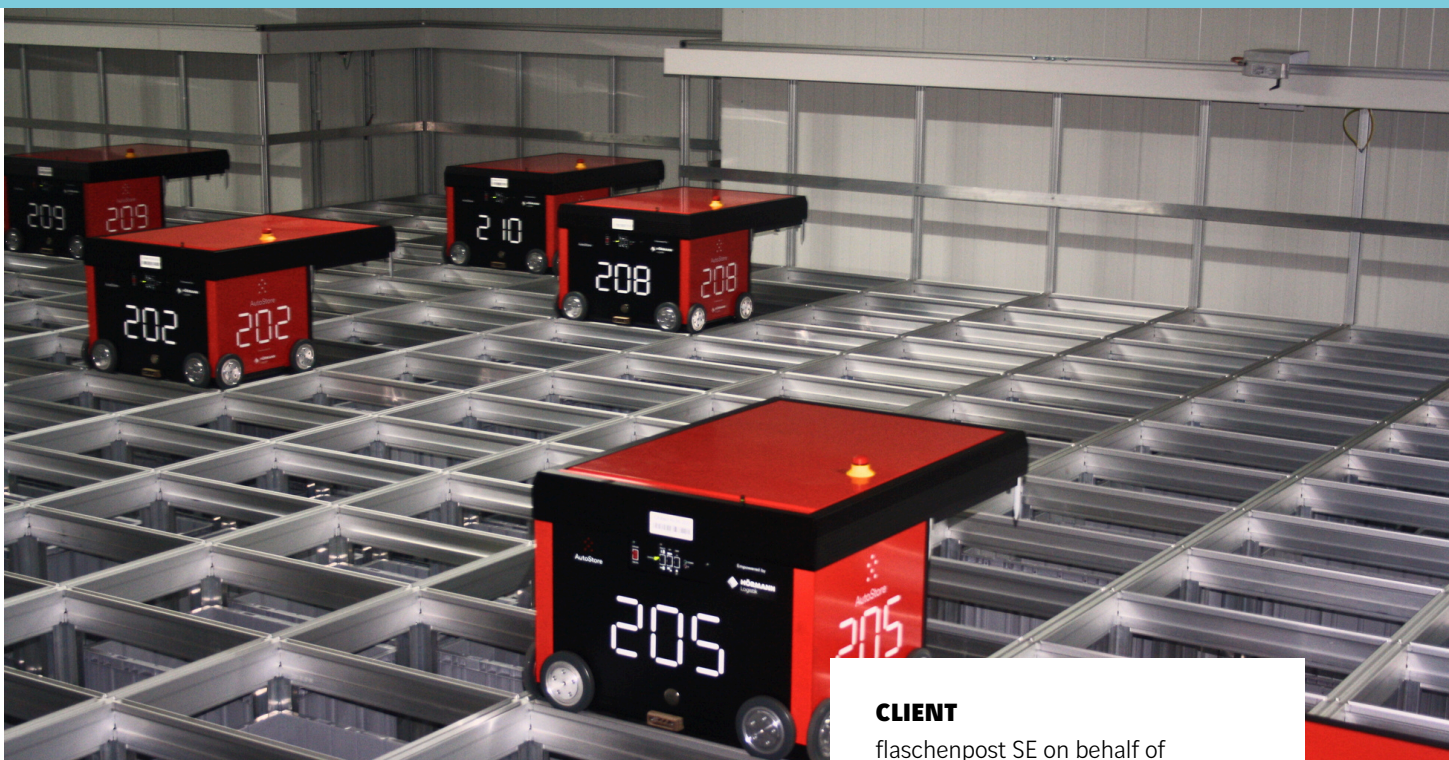


flaschenpost SE

Even more freshness for goods in the AutoStore® system

G+H Kühllager- & Industriebau Münster optimizes with space-saving enclosure and preventive fire protection



The beverage and food supplier flaschenpost from Münster wants to give its customers a reliable promise of freshness. That is why it is always looking for innovative solutions in transport and warehousing for its products. With the flexible, modular AutoStore® robotics solutions, it therefore also has one of the fastest order processing systems in use. On behalf of Hörmann Intralogistics, G+H Kühllager- und Industriebau has implemented the enclosure of the Chilled AutoStore® system for refrigerated goods at the Langenfeld and Cologne locations and created a suspended ceiling for smoke extraction in case of fire from trapezoidal profiles above the Ambient AutoStore® system for non-refrigerated goods.

CLIENT

flaschenpost SE on behalf of
HÖRMANN Intralogistics Solutions
GmbH

PROJECT

Enclosure of a Chilled AutoStore®
system for refrigerated goods and
creation of a suspended ceiling above
the Ambient Autostore® system for non-
refrigerated goods

EXECUTION PERIOD

Langenfeld: 03/2023 - 07/2023
Cologne: 08/2023 - 11/2023



For the first time, both AutoStore® systems were designed to be particularly space-saving for cold rooms using form-fitting enclosures made of PU panels with an insulation thickness of 100 mm. Thanks to the PU elements used, a high level of insulation is now achieved while reducing the amount of energy required. In addition, the experts at G+H K hllager- und Industriebau M nster have constructed a picking tunnel, installed cold room doors and cold room hatches for maintenance and robot access, and made local adjustments to the AutoStore® system.

FSmoke extraction hatches were installed for the Chilled-AutoStore® system and integrated into the existing smoke and heat extraction (RWA) system in the hall. Other services included the delivery and installation of a suspended ceiling made of aluminum trapezoidal profiles with a matching substructure made of lightweight C-profiles and the construction of insulated door enclosures for Autostore® conveyor ports, including closure covers.



TASK

- Implementation of a space-saving enclosure for a Chilled AutoStore® system for refrigerated goods
- Installation of a suspended ceiling for smoke extraction in the event of a fire above an Ambient AutoStore® system for uncooled goods
- Construction of a picking tunnel

SOLUTION

- Form-fitting enclosure made of PU panels with 100 mm insulation for cold rooms
- Sloping ceiling made of aluminum trapezoidal profiles with matching substructure
- Smoke and heat extraction hatches for smoke extraction and integration into the existing smoke and heat extraction system

ADVANTAGE

- Space-saving solution with high insulation effect
- Reduction in the energy supplied
- Reliable cooling thanks to the manufacture, delivery, and installation of a redundant cooling system by a subcontractor.