

VC Petfood

Cold storage for high-quality animal feed

G+H Kühllager- und Industriebau GmbH Mannheim has built a new deep-freeze warehouse for the new fresh food production facility of animal feed manufacturer Vet-Concept in Föhren.



Good food for four-legged friends – that is the motto of pet food manufacturer Vet-Concept. Modern production facilities are essential for producing high-quality pet food. The company has therefore set up a production facility for fresh food in Föhren, Rhineland-Palatinate. A new cold storage facility was also required, which the team at G+H Kühllager- und Industriebau GmbH Mannheim constructed in just five months.

CLIENT

VC Petfood GmbH & Co. KG

PROJECT

New construction of a deep-freeze warehouse connected to the existing building

EXECUTION PERIOD

09/2021–01/2022

AREA PROCESSED

1.600 m²



Petfood opted for precast reinforced concrete elements as the supporting structure for the new deep-freeze warehouse. All components, such as HTU and HTA rails for fastening the exterior panels and the roof structure, were installed in accordance with G+H's structural specifications. The gable roof was constructed from trapezoidal sheets with appropriate insulation and waterproofing.

There is a monopitch roof in the area of the airlock that connects the new cold storage facility to the existing building. The exterior walls of the new cold storage facility consist of galvanized PUR sandwich panels with a 25 µm polyester coating and serve as both facade and insulation. The floor slab was constructed using reinforced concrete. The new CO₂ refrigeration system for the warehouse is located in the technical building. The deep-freeze warehouse with mobile and fixed racking now offers a total of 2,982 pallet spaces.



TASK

- New construction of deep-freeze warehouse with airlock
- Installation of a CO₂ booster refrigeration system, a mobile racking system, and high-speed doors
- Floor: Version with integrated shelf rails, sealing and insulation, installation of frost protection heating

SOLUTION

- Mounting opening for inserting various components
- Construction for connecting the lock to the existing structure
- Placement of an igloo for opening the panels in the inventory
- Connect to the existing floor plate using heavy-duty profiles

ADVANTAGE

- Energy efficient thanks to the new CO₂ refrigeration system
- Optimization of work processes by connecting the new facility to the existing cold storage warehouse