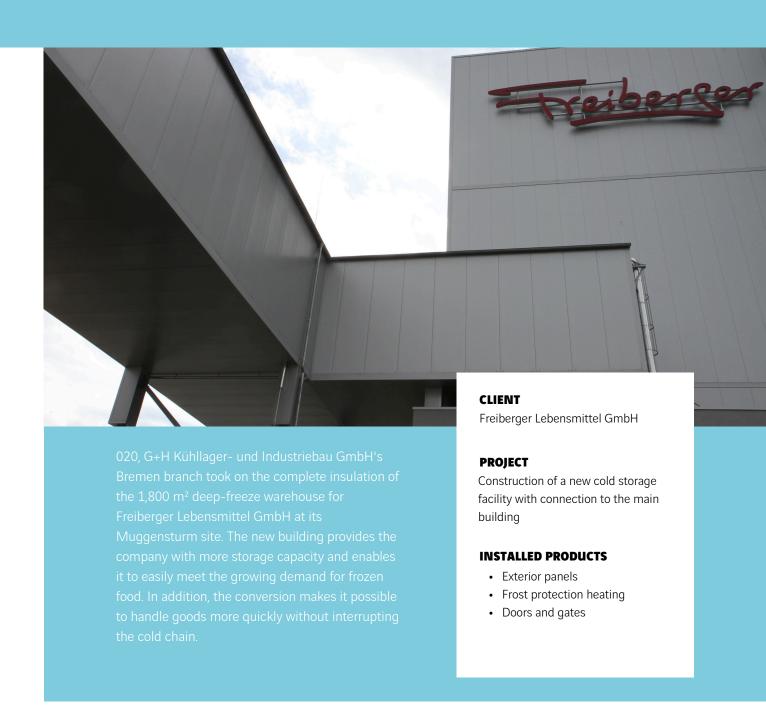# G+H KÜHLLAGERBAU
Kühllager- und Industriebau

Freiberger Lebensmittel GmbH in Muggensturm
More space for frozen food

Freiberger's new cold storage facility offers space for 9,000 pallets and is connected to production without interrupting the cold chain.

020, G+H Kühllager- und Industriebau GmbH's Bremen branch took on the complete insulation of the 1,800 m² deep-freeze warehouse for Freiberger Lebensmittel GmbH at its Muggensturm site. The new building provides the company with more storage capacity and enables it to easily meet the growing demand for frozen food. In addition, the conversion makes it possible to handle goods more quickly without interrupting the cold chain.

CLIENT
Freiberger Lebensmittel GmbH

PROJECT
Construction of a new cold storage facility with connection to the main building

INSTALLED PRODUCTS
- Exterior panels
- Frost protection heating
- Doors and gates

VINCI ENERGIES | BUILDING SOLUTIONS

The G+H team installed the panels, which also serve as the exterior facade and insulation, vertically on the shelving structure of the silo-style building and connected them using staples. To prevent damage caused by the ground freezing, frost protection heating was installed. An inerting system provides fire protection in the new cold storage facility. A sealed building envelope is a basic requirement for the efficient operation of this system. To this end, the G+H team attached galvanized steel sheets to the base area of the facade and filled any cavities that had

formed. To connect the main building and the warehouse, an insulated bridge with a fire wall and airlocks were erected to separate the inerted area.

After the construction phase, the building was gradually cooled down to the operating temperature of –20 degrees Celsius. Thanks to its optimal insulation, the new deep-freeze warehouse enables cost-efficient operation and contributes to energy and CO_2 savings.

TASK

- Construction and insulation of a new cold storage facility
- Expanding storage capacity
- Preventing interruptions in the cold chain
- Construction of a tight building envelope
- Connection of the new cold storage facility to the main building

SOLUTION

- Construction of a new deep-freeze warehouse in silo design
- Installation of an underfloor heating system
- Construction of an insulated bridge to connect to the main building
- Gradual cooling down of the bearing

ADVANTAGE

- Expansion of storage capacity to around 9,000 pallet spaces
- Stable maintenance of the cold chain
- Faster handling of goods
- Efficient operation of the inerting system

G+H KÜHLLAGERBAU
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