

Pilzhof Rein

From agriculture to mushroom cultivation

Construction of a new mushroom cultivation facility with intergrowth, cultivation, and cooling rooms, as well as a technical room and processing kitchen by G+H Kühlager- und Industriebau Freiburg



Sometimes it is necessary to break new ground – even in agriculture, for example at the Rein farm. There, Andreas Rein decided to convert his business from livestock to mushroom cultivation. This required some renovation work on an existing agricultural hall.

He commissioned G+H Kühlager- und Industriebau GmbH, which implemented the project in collaboration with Agricultural Engineering Manufacturing (AEM), a company specializing in mushroom cultivation systems.

CLIENT

Pilzhof Rein

PROJECT

Construction of the mushroom cultivation facility on Andreas Rein's farm

EXECUTION PERIOD

05/2020–08/2021



G+H took on the detailed planning of the project, thereby also laying the foundations for the electrical, plumbing, heating, and ventilation work. G+H constructed the growing, rearing, and cooling rooms, as well as the technical room and processing kitchen, using panel construction methods. In addition, the G+H team took care of the delivery and installation of the stainless steel doors and ram protection devices and carried out the floor construction, including sloped screed with hard mineral sprinkling.

A 50-meter-long supply air duct beneath the uninsulated roof structure ensures adequate ventilation for the new mushroom cultivation facility. Since the existing hall floor had been lowered by 70 centimeters, a scissor lift had to be installed to compensate for the remaining difference in level. The expert in cold storage and industrial construction retrofitted the existing hall with exterior doors, windows, exhaust air, and supply air openings, thus creating optimal conditions for cultivating premium mushrooms.



TASK

- Detailed planning of the construction project for a mushroom cultivation facility
- Construction of the growing, rearing, and cooling rooms, as well as a technical room and a processing kitchen
- Retrofitting exterior doors, windows, exhaust air and supply air openings

SOLUTION

- Assembly of AEM components
- Construction of a 50-meter-long supply air duct under a roof structure
- Installation of a scissor lift to compensate for the lowered hall floor

ADVANTAGE

- Successful establishment of a mushroom farm
- Modernization of the existing agricultural building
- Controlled air access