Success Story HUG AG, Malters (Switzerland)

Sustainability from the depths with Belimo field devices.

Ecological improvement and optimised production in the generation project "Backhaus"

The HUG baked goods group is known for its fine, high-quality baked goods and stands for sustainability and Swissness with its brands HUG, DAR-VIDA and Wernli.

In 2020, the starting signal was given for the merger of the production sites of WERNLI in Trimbach and HUG in Malters with the new "Backhaus" building in Malters. In this generational project, it was very important to the company to achieve ecological improvements in connection with production. Belimo field devices made an important contribution to this.

The design of HVAC systems was carried out by Anex Ingenieure. System integrator was CKW Conex AG.

TYPE OF BUILDING
Commercial buildings

PROJECT
New building

TRADES
Heating and cooling distribution, Ventilation, Compressed air control, Management System for all trades

PRODUCTS
Pressure sensors, room sensors

BELIMO

Small hubs controlling a highly complex system.

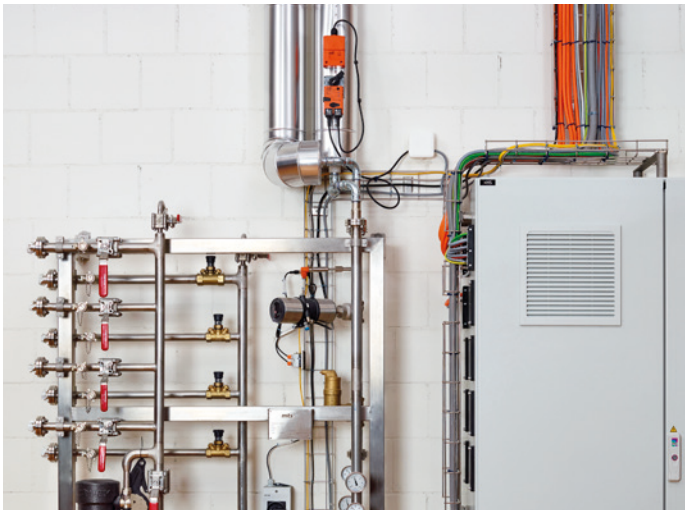
In 2020, the HUG AG announced that its production facilities for WERNLI in Trimbach and HUG in Malters would be merged, thereby further focusing production in Switzerland.

Belimo products were used throughout the conversion for ventilation control, for cooling and heating the building and for production. This also includes a new energy centre using groundwater and the waste heat generated in production. Belimo was able to optimally implement the associated requirements by supplying control devices, sensors and valves.

Chilled water from the depths.

The production lines are directly connected to the control system of the complex building. For example, liquid chocolate is transported through double-walled pipes. With the help of warm water in the outer layer of the tubes, the chocolate always remains liquid and at the desired temperature.

"With the 'Guetzlis', cold water is sprayed under the conveyor belts immediately after they come out of the oven to cool down the pastries quickly," says Daniel Steffen, Project Manager at Integrator CKW Conex AG. "This chilled water is provided by CKW's control system and taken from the chiller or from groundwater."



The pressure-independent control valves allow adaptations and extensions without affecting the existing installations.

"Belimo's versatile product range helps us to maintain simple and efficient material management. Proximity to the manufacturer and the direct supply chain provide transparency and simplify construction site logistics."

Daniel Steffen, Project Manager MSRL CKW

Pastry production despite ongoing move - supported by Belimo control devices.

All these applications form a complex system with the building technology, which is controlled by many different decentralised hubs installed throughout the building. The biggest difficulty here was the communication between the controls, especially in the production department, as this could not simply be switched off. Here, for example, sensors were used for the heating, the data of which can be easily read out and mapped through the NFC interface.

Another challenge was that the production had to continue to function in the existing part of the plant. From December 2020, the production facilities were gradually relocated from Trimbach to Malters, and this was done without interrupting operations in Malters. Belimo products significantly contributed to reliable and continuous operation thanks to their energy efficiency and fail-safety.

Reaching the goal together.

"Working together with Belimo was smooth right from the start. Many of the required products were ordered from the company's new online shop and were delivered to the construction site the following day. There they could quickly be put into operation and are easy to manage," adds Daniel Steffen.

As here with the recovery of process heat, the Belimo control devices were used for various functions throughout the building.

The Belimo control devices were integrated into the systems. They monitor and control the current conditions and trigger an alarm when limit values are exceeded.

Existing temperature sensors were replaced by Belimo room units (temperature, humidity and CO_2 measurement)

All inclusive.

Belimo is the global market leader in the development, production, and sales of field devices for the energy-efficient control of heating, ventilation and air-conditioning systems. The focus of our core business is on damper actuators, control valves, sensors and meters.

Always focusing on customer value, we deliver more than only products. We offer you the complete product range for the regulation and control of HVAC systems from a single source. At the same time, we rely on tested Swiss quality with a five-year warranty. Our worldwide representatives in over 80 countries guarantee short delivery times and comprehensive support through the entire product life. Belimo does indeed include everything.

The "small" Belimo devices have a big impact on comfort, energy efficiency, safety, installation and maintenance.

In short: Small devices, big impact.

- 5-year warranty
- On site around the globe
- Complete product range
- Tested quality
- Short delivery times
- Comprehensive support

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