**SUCCESS STORY HOUSE OF LÄDERACH, BILTEN (CH)**

# Maximum flexibility and optimum comfort with minimum energy requirements.

## A prestigious project combines a variety of uses.

Founded in 1962, Läderach (Schweiz) AG is a family-run chocolatier in its third generation. Its latest prestigious project is the «House of Läderach», built next to the company's production facility in Bilten, which was constructed in 2012. The House of Läderach offers a world of experience consisting of a live production facility, a shop, a café, a three-meter-high chocolate fountain and interactive guided tours. The new building also houses several event rooms, individual offices as well as open-plan offices.

Various Belimo control devices were used in the building's heating and cooling systems to ensure an optimal room climate with low energy consumption. The technical planning was carried out by Abicht Zürich AG. The system integration was carried out by autevis GmbH.

**TYPE OF BUILDING**
Office and production buildings

**PROJECT**
New building

**TRADES**
Heating and cooling system

**PRODUCTS**
Globe valves, 6-way valves, actuators and sensors

BELIMO

# Complex requirements efficiently implemented.

The various uses of the House of Läderach place a wide variety of demands on the air-conditioning technology. In the visitor areas and offices, the focus is on achieving optimal room climate. In the production area, on the other hand, special care must be taken to ensure that the temperature and humidity are adapted to Läderach's core product, chocolate, so that it maintains an optimal consistency. As the Läderach site in Bilten is being further expanded, it should also be ensured that individual rooms or even entire parts of the building can be converted at short notice. Accordingly, the heating/cooling system must also be adaptable to the changing needs within the different zones.

The heating/cooling system of the new building is made up of different components. The installation of ceiling sails in various areas enables rooms to be both heated and cooled. In addition, underfloor heating was installed in the café as well as in the event rooms of the building. If required, heat can also be drawn from the adjacent chocolate factory via a long-distance pipe. To ensure the best possible comfort in the visitor areas, recirculating air coolers were also installed in addition to the ventilation systems.

Belimo control devices ensure optimum distribution of heating energy, including for air-conditioning systems, radiators or underfloor heating.

«In the course of many years of cooperation, Belimo has already convinced us several times of their comprehensive service as well as the quality of their products.»

**Jens Behlau, Director of Production and Infrastructure Läderach (Schweiz) AG (left), and Marco Gamper, autevis GmbH (right)**

Belimo products can be used to optimally serve complex building requirements, such as short-term conversion and the associated flexibility in heating and cooling. A wide variety of Belimo control devices, including 6-way characterised control valves, VAV solutions and sensors, were installed in the House of Läderach for this purpose.
All system components were connected to the building management system via Modbus. This not only saved time and money during installation, but also made it possible for all setpoint and actual values to become transparent and be continually read out in real time.

Various Belimo components, including diverse sensors, valves and actuators, were installed in this commercial chiller.

## Focus on reliable service.

In addition to ensuring flexible use of buildings, the tight timeframe of the project in particular posed the greatest challenge. «We have been working with Belimo for over 15 years. Once again, we are pleased with the smooth process. The products were ordered online and delivered within a very short time. This ensured quick commissioning», adds Marco Gamper

Hygienic outdoor air exchange with filtration, plate exchanger heat recovery from the extract air, air heating and air cooling are made possible with the help of this ventilation system, which supplies one of the office buildings with fresh air.

This air handling unit with a monoblock design is responsible for air conditioning in the sales area.

# 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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