SUCCESS STORY SCOTT SPORTS HEADQUARTERS, GIVISIEZ (CH)

High-tech headquarters – risc on time delivery of hundreds of field devices.

Over 800 Belimo components were installed in the gold award-winning new building from Scott Sports

In spring 2019, the Swiss sporting goods manufacturer Scott Sports moved into a new office building at its headquarters in Givisiez. The striking, prestigious building offers over 26,000 square meters of space for 600 employees. The centrepiece is a light-flooded atrium with vertical wooden slats. Another eye-catcher are the filigree sun protection sails made of anodised aluminium on the facade. The architectural firm Itten + Brechbühl received the Gold Prize of the Swiss Arc Award in 2017 for the Open BIM process.

The work based on model planning included the entire building technology. Engineer company Basler & Hofmann West was in charge of planning the facilities, while system integrator Hediger Automations AG configured the building management system. Riedo Clima was in charge of heating, ventilation, air conditioning and sanitary installations. Over 800 Belimo components were used in the HVAC and sanitary plant.

TYPE OF BUILDING
office complex

PROJECT
New building

FACILITIES
Heating, ventilation, air conditioning, sanitation

PRODUCTS
Air damper actuators, pressure-independent zone valves and 6-way zone valves EPIV, globe valves, open-close butterfly valves, sensors

BELIMO®

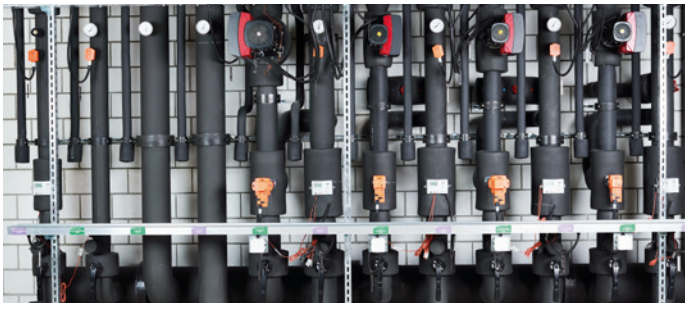
Innovative characterised control valve technology for complex large-scale systems.

It all started in the United States in 1958 with the invention of the aluminium ski pole by engineer Ed Scott. The company and its business areas expanded to Europe and the company headquarters were relocated to the Canton of Freiburg. In addition to winter sports, Scott gradually conquered the fields of cycling, running and motor sports. As a mountain bike supplier to world champion and Olympic champion Nino Schurter, the company now has a prominent figurehead.

The gradual move to the new headquarters went on for weeks and was a logistical challenge. Previously, the workforce was spread over several buildings in the surrounding commercial zone. Claudio Benelli from Scott Sports remembers: «We had to work in overlapping stages. As soon as a floor was ready, we moved in».

Sophisticated heat supply system with proven technology from Belimo.

With its new headquarters, Scott made a mark for sustainability 60 years after it was founded. The sophisticated system draws the heat and cold from the ground using probes and reversible heat pumps. It is also connected via a transfer station to the CHAUFFAGE À DISTANCE Friborg district heating network, which is currently being expanded. Control technology products from Belimo were used for the field level of building automation. This applies to field devices for the heating and chilled ceilings, and heating, cooling and ventilation systems. Globe valves were used for modulating regulation in the heating, cooling and ventilation plant room and Butterfly valves for isolation and switching functions. Hundreds of pressure-independent zone valves were installed in the offices and meeting rooms. More than 160 sensors continuously supply measurement data to the building management system. Variable air volume flow controllers (VAV) guarantee an optimal room climate in the zones. The spread of fire and smoke is effectively prevented by Belimo actuators.

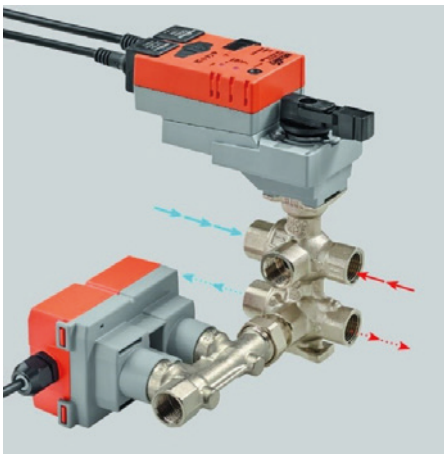


For the distribution bar for cooling, various Belimo valve-actuator combinations are used, but mostly Belimo sensors, which form the basis for optimal control.

«We received excellent support from Belimo. We could call, order, and two days later we had the products on site ready for installation».

Martin Gurtner, project manager heating/cooling, Riedo Clima AG, Düdingen

In 2017, the contractor from Düdingen, Riedo Clima AG, won the first «SME Trophy» awarded by the Agglomeration Freiburg. It has a lot of experience with large buildings. Nevertheless, there were challenges in Givisiez. In the offices toward the inside the building, the combined chilled and heating ceilings posed a challenge to experts. Here, electronic pressure-independent 6-way zone valves EPIV were the solution. In the offices located toward the outside, whereas pressure-independent zone valves were used for the chilled and heating ceiling panels. Logistics and scheduling were also demanding. As the construction was divided into stages, the field devices had to be delivered fast on time to the corresponding construction stage of the individual floors.



The compact, electronic pressure-independent 6-way zone valves EPIV stand for great energy efficiency and operating safety.

Comprehensive customer support and short delivery times – even when pressed for time.

At Riedo Clima AG, Martin Gurtner was the responsible project manager: «The delivery times are very short. When I order something from Belimo, I will receive the products at the construction site two days later.» As a coordinator of building technology, he greatly appreciates the openness to technology of the component manufacturer from Hinwil. «With our products, we were able to meet all requirements and ensure that the entire system operates as energy-efficiently as possible», explains Patrick Köstinger from the Belimo branch in Corminboeuf. As a technical consultant, he supervised the project from the initial inquiries to commissioning.

The Belimo Assistant App enables simple commissioning and diagnosis via NFC with a smartphone.

Easy installation and quick parametrisation thanks to Near Field Communication (NFC).

The innovative characterised control valve technology was used for the heating and chilled ceilings. As a pioneer, Belimos electronic pressure-independent 6-way zone valve EPIV offers a solution that is easy-to-install and tried-and-tested solution. Thanks to continuous flow measurement, this valve system determines water quantity in real time. Due to dynamic balancing, the right amount of water and the desired level of room comfort are ensured at all times – even with partial loads and differential pressure fluctuations. In Givisiez, Martin Gurtner commissioned the 6-way zone valves wirelessly for the first time using a smartphone. As a result, adjustment was three times faster than with conventional balancing valves. Gurtner emphasizes the cost neutrality and plant safety due to the reduced susceptibility to errors. In addition, the customer will also benefit in energy savings: «By using the 6-way characterised control valves with integrated, permanent flow measurement, we can offer customers a much more efficient energy management system».

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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