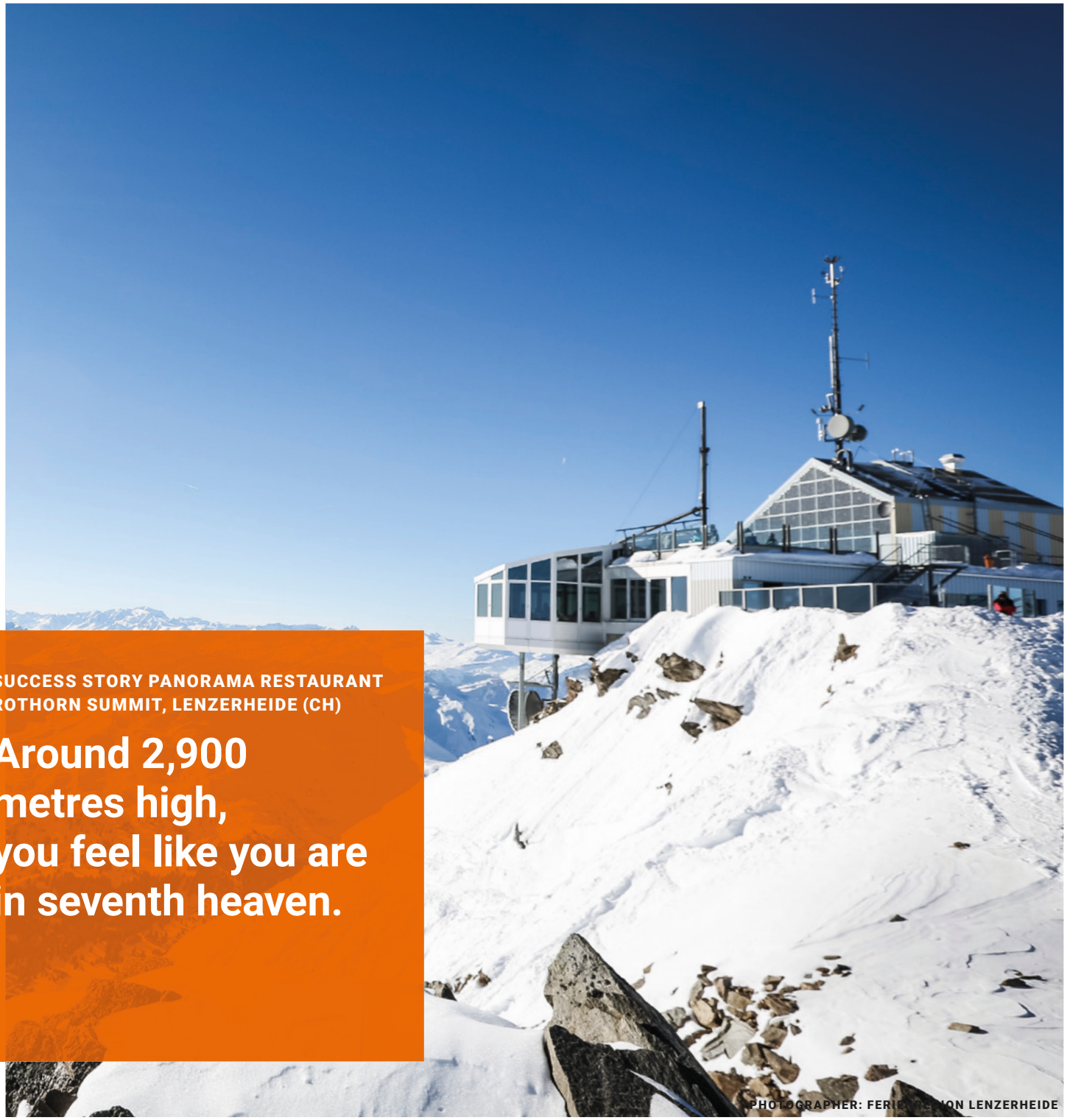

SUCCESS STORY PANORAMA RESTAURANT
ROTHORN SUMMIT, LENZERHEIDE (CH)

Around 2,900 metres high, you feel like you are in seventh heaven.

PHOTOGRAPHER: FERI[illegible]ION LENZERHEIDE

Automation and control for more comfort

The panorama restaurant on the Rothorn summit is a popular destination both in winter and in summer. Thanks to the unbeatable visibility, visitors have a terrific view over the Lenzerheide holiday region and more than 1001 mountain peaks. The restaurant spoils its guests with regional and homemade cuisine. Following the successful cooperation in the construction project of the Scharmoin Mountain Restaurant, various zone valves were installed in the panorama restaurant on the summit of the Rothorn. These, in turn, were integrated into the management system of the Lenzerheide Bergbahnen AG. This allows control of the individual zones via the building management system via remote maintenance. As with most mountain restaurants, the majority of the HVAC system in Lenzerheide is fully automated. The division of the restaurant into different zones not only provides highest comfort for visitors, leaseholders and employees, but also great flexibility in room utilisation, as well as transparency with regard to energy requirements. Furthermore, shutting off unused zones makes greater energy savings possible.

TYPE OF BUILDING
Panorama restaurant

PROJECT
Renovation

TRADE
HVAC

PRODUCTS
Variety of zone valves QCV

BELIMO

Simple operation and full transparency

The whole HVAC system is extensively operated automatically, which allows the restaurant operator to concentrate on core tasks. If data are needed (for example, current consumption), these can be viewed promptly, giving a fast insight into the technology. Manual influence is also possible via the touchscreen panel; so can the lights and shutters be operated, for example. Simultaneously, the panel also shows the current weather data as well as the weather forecasts. The management system and extensive automation provides the Lenzerheide Bergbahnen AG with ultimate transparency for energy requirements and energy flow. The goal is to produce only as much energy as is required.

Highest comfort with Belimo ZoneTight™

The compact QCV zone valve from the Belimo ZoneTight™ product family makes for a homely room climate and excellent room comfort. The space-saving QCV can be installed in fan coils, zone air heaters/ cooling coils and cooling ceilings and beams, as well as underfloor heating systems, radiators, heat pumps and boilers, for example. The compact size and toolless actuator assembly make installation quick and easy. The full-rotation actuator has a low power consumption during operation and in standby mode, which is therefore very energy-saving. Integration via the MP bus allows the integrator to perform cabling and commissioning easily. Due to the proven characterised control ball valve technology, the valve seals air bubble-tight and is extremely resistant to dirt. The savings made with the valves and actuators thus increase the energy saving achieved by dividing the rooms into different zones, which can be controlled separately as needed.

"The collaboration with Belimo is sensational. We receive competent advice and are given help if something doesn't work the way it should."

Samuel Lorez, Technical Manager Lenzerheide Bergbahnen AG (figure top left, centre Hanspeter Moser, Belimo and right Martin Eckhoff, AZ systems AG)

Section of the Panorama Restaurant Rothorn

EN – 03.2019 – Subject to technical modifications

5-year warranty

On site around the globe

Complete product range

Tested quality

Short delivery times

Comprehensive Support

BELIMO Automation AG
Brunnenbachstrasse 1, 8340 Hinwil, Switzerland
Tel. + 41 43 843 61 11, info@belimo.ch, www.belimo.com