

FLECKALMBAHN IN KIRCHBERG IN TYROL COMPLETED IN LESS THAN EIGHT MONTHS - PROCESSED ALUMINUM RUNNING METERS ALMOST EQUAL THE LENGTH OF THE NEW CABLE CAR

For the new construction of the Fleckalmbahn in Kirchberg in Tyrol, the German system house HUECK supplied aluminium profiles, the added running meters of which almost correspond to the length of the new cable car. The mountain and valley stations were equipped with 3,500 running meters of aluminium from the HUECK Lambda WS / DS 075 window and door series and fire protection elements from the HUECK Lava series. The ambitious construction project took ten years to prepare and was completed after a construction phase of just eight months.

After 90,000 operating hours, 30.5 million passengers and 35 years of accident-free operation, the Fleckalmbahn in Kirchberg in Tyrol, built in 1984, was retired in spring 2019. The requirements for the new construction were clearly defined by Bergbahnen AG Kitzbühel: Sustainable and responsible capacity dimensioning. Under the motto "Much better, not bigger", the new Fleckalmbahn was to be built as the second most important feeder cableway into the core ski area.



Figure 1: With the new construction of the Fleckalmbahn, the second most important feeder cableway into the core ski area of Kitzbühel was modernized. (source: HUECK)

The Austrian Metallbau Guggenbichler GmbH used a total of 3,500 running meters of aluminum for the window and door constructions. "This almost equals the length of the route of the new Fleckalmbahn", states managing director Otto Guggenbichler. The demands on the new construction of the mountain and valley stations lay in aesthetics, functionality and responsible capacity. The windows and doors should therefore be highly functional and resilient and at the same time have a slim silhouette and excellent

thermal insulation values. The modular system for the HUECK Lambda WS / DS 075 window and door series, which was installed in the valley station with a floor area of 2500m² and in the mountain station, was able to offer these possibilities.

Both inside and outside, the fire protection elements were implemented in the HUECK Lava 77-30 aluminium profile system. The thermally insulated fire protection doors were also given a panic function. "The decision to build the construction with HUECK is certainly based on the product quality, the service quality and the ability to deliver. As usual, the coordination with the HUECK team worked very well. HUECK has been our system partner in the aluminium sector for over 40 years. I think that speaks for itself," said Otto Guggenbichler.

All planning and construction supervision activities were carried out in-house by Bergbahn AG Kitzbühel. "We have been working for ten years to make the new Fleckalmbahn a reality," explains Florian Wörgetter, Technical Director

at Bergbahn AG Kitzbühel. The new construction of the Fleckalmbahn represents the largest single investment in the more than 90-year history of Bergbahn AG Kitzbühel. The focus was not on maximizing the transport capacity or the prestigious design of buildings. Instead, the focus was placed on optimizing guest comfort, functionality and resource conservation in the facility and buildings.

The new construction of the Fleckalmbahn not only posed enormous planning, but also technical challenges for the technicians and fitters who carried out the work. The construction of the new facility began in April 2019. The new Fleckalmbahn is 4km long and has an altitude difference of almost 1000m, with the valley station at 814m and the mountain station at 1801m above sea level. For the metal construction company Guggenbichler, the greatest challenges in this construction project lay in the short construction time and, especially at the mountain station, in the effects of the weather. The alpine terrain, the altitude, as well as wind and weather required perfect logistical planning and organized processes. In December of the same year, the new Fleckalmbahn was officially opened. The new cable car has already transported 650,000 people in the 2019/2020 winter season.

Those involved are very satisfied with the course and result of this unique construction project. "The Fleckalmbahn is the second most important feeder lift in our absolute core ski area and the new construction represents the largest single investment in our company's history. We are very proud that we completed the facility within eight months," explains Wörgetter. Otto Guggenbichler sums up: "For us as a



Figure 2: Es wurden 70 Dreh-Kipp-Fenster der Serie HUECK Lambda WS 075 kombiniert mit HUECK Gen 4.0 Beschlägen verbaut (source: HUECK)

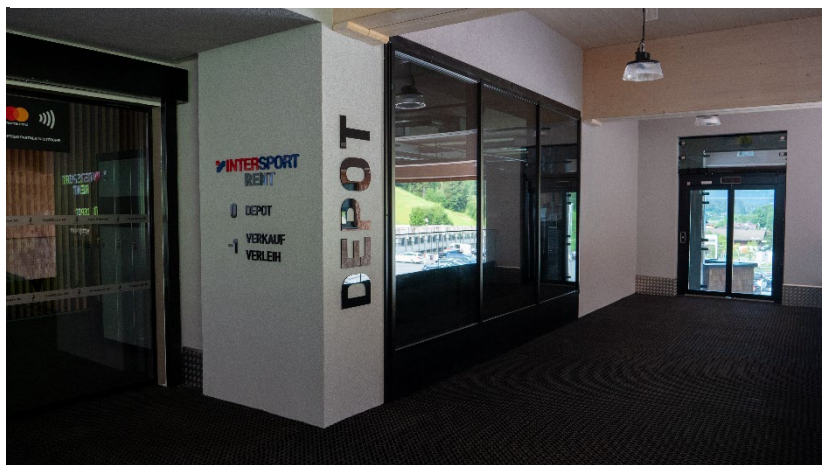


Figure 3: Insgesamt 50 Fluchtweg- und Brandschutz-türen wurden in den Serien HUECK Lava 77-30 und HUECK Lambda DS 075 realisiert (source: HUECK)

metal construction company, it is nice to be involved in a project with high publicity like the Fleckalmbahn." He is particularly pleased about the feedback from skiers in winter and from hikers and mountain bikers in summer, who responded with enthusiasm.

You can find a vivid video about the Fleckalmbahn here: <https://youtu.be/YJEwY55nnAU>