

## Designed for Extreme Conditions

### Aerocompact sponsors snow- and wind-proof PV mounting system for high alpine refuge

*Satteins, Austria, 28 Sept. 2020.* Aerocompact, the manufacturer of PV mounting solutions, has planned a solar power system for Totalp Hut in Vorarlberg, Austria, and sponsored mounting solutions and services worth several thousand euros. At the beginning of 2019, an avalanche destroyed the high alpine refuge along with its solar power plant. After the hut was rebuilt, the company *Strom vom Dach*, which specializes in extreme PV construction sites, has recently installed the 10 kWp PV system.

#### Snow loads of up to 1,400 kilograms per square meter

The hut of the Austrian alpine club is located at an altitude of 2,385 metres and must withstand snow loads of up to 1,400 kilograms per square metre. “This is no problem for the systems from Aerocompact”, says Michael Anker, managing director of *Strom vom Dach*. He adds, “We only use products from Aerocompact. The service is amazing. We are supported wherever possible and there is a solution for all situations and applications”.

#### Alpine version with ice-proof cable routing

The fitters from *Strom vom Dach* installed the rail-based Aerocompact CompactPITCH mounting system on the metal roof of the Totalp Hut. The optimised shape of the X50 aluminium profile rail has a high static load-bearing capacity. An ice-proof cable routing protects the system against cold and ice. The installation parallel to the roof ensures good rear ventilation of the 32 solar modules facing south. The hut’s grid-connected solar power plant, which is only used in summer, covers about half of its continuous power requirements. An air-to-water heat pump and excess solar power generate thermal energy.

#### Live on location

“The hut is practically right in front of our company headquarters and we spend a lot of time in the mountains. That’s why it was immediately clear to us that we wanted to support the alpine club with our products and our expertise on snow and wind loads”, says Marketing Manager Marco Rusch of Aerocompact. A film team from the company accompanied the fitters during the installation: <https://www.aerocompact.com/eu/news/detail/new-pv-system-on-the-totalphuette-2385-m-in-austria/>

#### About the Totalp Hut

The mountain hut of the Vorarlberg alpine club is located at 2,385 meters above sea level in the Rätikon Mountains above Lünser Lake. Originally the hut served as accommodation for workers of the former energy company Vorarlberger Illwerke AG, who worked at the Brandner Glacier. Since 1989 the Alpine Club has been hosting hikers and climbers in the mountains. In January 2019 a powder snow avalanche completely destroyed the hut. The total cost of reconstruction was around 3.1 million euros. Thanks to numerous supporters, the hut could be reopened this summer.

#### About Aerocompact

Aerocompact was founded in Austria in 2014. The company produces and sells PV mounting solutions for flat roofs, pitched roofs and metal roofs as well as for outdoor systems. One focus is on PV substructures without direct connection to flat roofs. The company has locations in Austria, the USA and India and additionally 14 sales offices around the world. Aerocompact has total of more than 70 employees working worldwide. Since its foundation, about 1 GW of power has been installed with mounting systems from Aerocompact.

**A PDF of the press release and images can be found at the following link:**

[https://pressedownload.pr-krampitz.de/20200928\\_Aerocompact\\_EN.zip](https://pressedownload.pr-krampitz.de/20200928_Aerocompact_EN.zip)

**Captions:**

**Picture 1:** Only for alpine experts: The construction site is located at an altitude of 2,385 metres.

**Picture 2:** Approaching: The components had to be transported by helicopter.

**Picture 3:** Designed for extreme wind and snow loads: The fastening solutions from Aerocompact.

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