



Mountain Innovations produces the wow effect

Innovative leisure experiences for mountains

The company Mountain Innovations from Deggendorf (D) produces individual worlds of experience for any terrain – with a wow effect. A flagship project was completed last year in Bad Kleinkirchheim (Carinthia) – the Kaiserburg Bob. The „Mountain Tower“ is new to the portfolio, as is the option of adding a theme to all attractions.

The creative team from Mountain Innovations develops, produces and services customised leisure facilities in the premium sector for any terrain with height differences – for tourism regions, local authorities, ropeway operators and investors. The solutions are individual, unique and professional – with optimal integration in nature. The team's skills include bold ideas for year-round operation, sustainable solutions and partnerships on an equal footing. That's how you create the wow effect on the mountain! The company has already demonstrated this with its successful ROLLBOB® product, which has been installed in Berlin,

Zams and recently in Bad Kleinkirchheim. The product range has just been expanded with the "Mountain Tower". Five gondolas with double seats are lifted 10 metres into the air. This combines integration in the natural environment with action. Besides the 360-degree panoramic view, passengers can also experience freefall, rotation and jumps for an additional thrill!

Other attractions are to follow, including Mountain Waver, Mountain Slide and Mountain Wheel. Apart from that, the Deggendorf company sees itself as a partner for experience architects when innovations and unique ideas are required.

Themed attractions now possible too

An important point for Markus Weiß, one of the managing directors of Mountain Innovations alongside Martin Weichselgartner, is the clear differentiation from standardised attractions and the idea of creating an overall experience around the attractions. "We will use a storyline to achieve this in future, reflected in the theming. We also want to link the theme to an appropriate nature trail, thereby generating an additional educational element. Our ROLLBOB® track, for example, can be designed with the theme "fly like an eagle". The bob shells are customised with an eagle design to achieve this. The

bottom station can also be staged as an eagle's nest", says Weiß.

One way to connect the theme to the storytelling, i.e. an associated story, is to tell visitors the story of a little eagle, for example. This is leaving its nest for the first time and learning to fly. The eagle's nest on the roof of the building shows its previous refuge at the start. Using pictures of young eagles inside the ticket office allows us to position information about the life, the development of the birds and their protection.

The "Tree of Life" concept

"The Mountain Tower can also be themed in a variety of ways. We have developed various design concepts to make this clear. The "Tree of Life" concept, for example: the tower can be positioned in a hollowed-out tree trunk with a forest animal theme. Theming is not limited to visual presentation, as the drive style can also be adapted: the gondolas can be programmed to jerk, for example, mimicking the pecking of a woodpecker, which can be reinforced by the audio systems. This creates a multi-sensory perception of the overall experience".

Another example is the concept of "Natural Power": here children learn about renewable energies using four pillars surrounding the Mountain Tower (wind, solar, water and human energy).

Carinthian ROLLBOB® track is a flagship project

Let's take a closer look at the company's most recent project. The Kaiserburg Bob, a 1,440-metre-long ROLLBOB® track for Bad Kleinkirchheimer Bergbahnen, was completed at the end of 2020. Passengers glide down to the valley in 36 closed bobs on the rail-guided, year-round track, covering a height difference of 180 metres. The bobs can reach speeds of up to 40 km/h. The closed shell of the bob ensures high safety. The „Tornado“, a 450-degree spiral, finishes off the ride at the end.

The first step in realising the attraction was to take a 3D scan of the mountain. This allows the ROLLBOB® to be adapted individually to the terrain with a low environmental impact. "Thanks to the small curve radius, the system hugs the mountain without taking up too much space", explains project manager Tobias Seethaler.

Carinthia's new leisure experience with a "roller coaster feeling" was already up and running from the end of 2020 to 8 January.

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1 The ROLLBOB® in Bad Kleinkirchheim is Mountain Innovations' most recent reference project.

2 "Fly like an Eagle" – example of a themed ROLLBOB® track.

3 The new product "Mountain Tower", example concept "Tree of Life".

4 The "Natural Power" concept for the "Mountain Tower"



More information
www.mountain-innovations.com



Peter (left) and Anton Glasl present the innovative pull-in device for T-bar lifts.

enrope GmbH

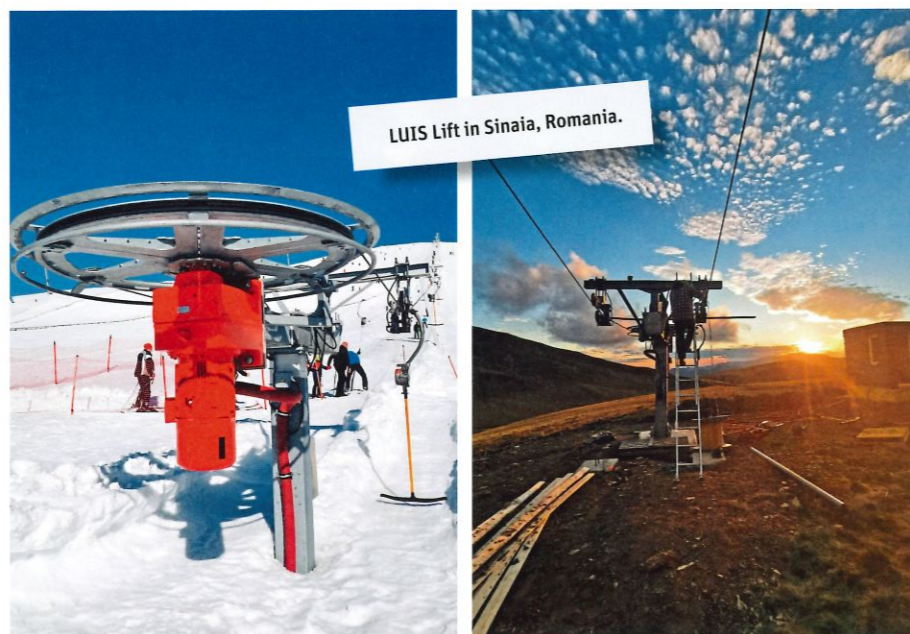
SUSTAINABILITY, EFFICIENCY AND A GREAT LOVE OF DETAIL

With their enrope GmbH, Anton and Peter Glasl have been meeting the needs particularly of smaller ski resorts for five years. They have really hit the mark with the LUIS Lift, a new pull device for T-bar lifts and their efficient service.

There are 30 years of experience behind enrope GmbH, which is located in Wackersberg in southern Germany. Company bosses Anton and Peter Glasl acquired their expertise working for the ropeway manufacturer LST Loipolder for many years, before starting their own company in 2016. The range, which has quickly made a name for the company in the industry, includes the LUIS Lift developed in-house, a new and innovative pull device for T-bar lifts, as well as maintenance, servicing and repair of wear parts for LST installations and Doppelmayr T-bar lifts, where enrope impresses with individual and cost-effective solutions.

Simply good

The LUIS Lift, which was showcased for the first time at the Interpaln 2017, is an inno-



LUIS Lift in Sinaia, Romania.

vative practice and connecting lift that is ideal for local authorities, ski schools, hoteliers and ropeway companies alike. There are many well-thought-out details that make the LUIS a top-class lift – it's simple to set up and efficient to operate, while still offering users the highest comfort and reliability.

The LUIS Lift is fully compliant with CE standards and has a low-maintenance hydraulic tensioning system. The drive has an output of up to 45 kW with continuous speed regulation that can be adapted to suit individual requirements.

The cable is a maximum of 16 mm thick and runs through a sheave with a diameter of 2.25 m. This ensures it runs as smoothly as possible and protects the cable. Snow groomers can easily prepare the track beneath the lift thanks to the high cables. LUIS Lifts only require compact foundations, so they don't interfere with the environment too much.

No wonder then that there are already several satisfied customers in Germany, Austria and Romania, who have been enjoy-

ing the benefits of the LUIS Lift for several seasons now. "Our LUIS Lift is easy to install, well-engineered and available at a really fair price", say Anton and Peter Glasl.

Wear-free and eco-friendly

Peter Glasl developed a maintenance-free permanent magnet brake for pull devices on button lifts at the end of the 1990s, which has since proven its worth thousandfold for the major ropeway manufacturers. In a crucial advance, the pull device has now been refined for T-bar lifts and eddy current brakes. Besides the ingenious technology, enrope has also focused on sustainability.

Particulate matter from the brake pads and drops of brake fluid are a thing of the past, and the brake can be adjusted completely and precisely. This means the mechanism for pulling the T-bar in and releasing it can be tailored precisely to local requirements. The new principle was tested under various conditions last winter, which resulted in a series of adjustments. The certification process is also underway.

The now optimised pull device is not limited to new installations. It is also suitable for retrofitting on almost all standard drag or T-bar lifts from Doppelmayr/Garaventa, Reiter and Loipolder.

All in good shape

enrope GmbH offers servicing and maintenance work for button and T-bar lifts. enrope is also the right place if you're looking for wear parts for LST ropeways and Doppelmayr drag lifts, e.g. rubber roller padding, sheave linings, rubber plugs, draw-in springs, etc. And because enrope also has specialist tools in its own workshop, it can produce parts that are no longer available on the market. This means older facilities can still be operated safely, and all the necessary documents and certifications are professionally produced.



www.enrope.com

MOUNTAIN INNOVATIONS

MANUFACTURING WOW EFFECTS

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