



MOUNTAIN
INNOVATIONS

MANUFACTURING WOW EFFECTS

MOUNTAIN TOWER

CREATIVE. IMPRESSIVE. DIVERSE.



MOUNTAIN TOWER

As individual as the natural setting

The moving observation platform Mountain Tower offers a **one-of-a-kind experience between heaven and earth**. Evenly aligned with hard-shell seats in pairs, the tower combines a **unique riding experience with exceptional panoramic views**. This extraordinary attraction for people of all ages offers space for up to ten passengers at a time. Individually adaptable, the gentle or quick rotary and vertical movements up to ten metres above the ground offer views of the surrounding mountains from a completely different perspective.

The Mountain Tower's robust design enables all year-round operation, even in harsh, alpine conditions.

Rotation speed, direction of travel or rhythm of vertical movement can be individually set by the operator, ensuring versatility and flexibility. The **exterior design can be tailor-made** and may range from a tree trunk or trolls' hideaway to regional mascots or logos. Each Mountain Tower is therefore as individual as the environment it is incorporated into. Additional light staging enables operation in the evening or at night-time, making the tower easily recognisable from a distance, even in the dark – just like an authentic landmark.

360° VIEWS FROM AN EXCEPTIONAL PERSPECTIVE

Panoramic views from a new perspective

It's the fascination of beautiful views that draws most of the people to mountain regions. The idea behind the Mountain Tower is not only to satisfy this human need for foresight, but also to combine and enhance it with a unique experience. A ride with the tower allows for unobstructed **views of summits, glaciers, view-points and high-altitude plateaus from the surrounding mountains** and into their valleys from a unique perspective.



Group fun all-round

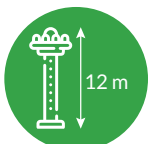
Sharing experiences with others strengthens the team spirit and feeling of togetherness. The Mountain Tower allows **groups or families** to enjoy the gentle free fall, the alternating up and down movement as well as the rotation and the breath-taking views together. The 360° panoramic views, which you would otherwise just enjoy by yourself, are turned into an extraordinary **collective experience**.



One goal, one partner

The Mountain Tower's **all-included service package** meets all the demands and requirements. From the conception and assembly to after sales service, everything comes from one single source.

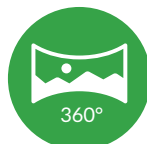
The tower can also be thematically adapted to integrate it perfectly into already existing themes. These adaptations are taken into consideration already during the planning and construction process prior to delivery.



Maximum
Height



Group Fun
All-Round



Panorama



Free
Fall



Year-Round
Usability



Weather
Independence



Day and
Night
Operation

USE, SUSTAIN AND PROTECT

Taking responsibility

An intact natural environment in alpine areas builds the solid bedrock for tourism and local economies. Therefore, it is imperative to preserve this invaluable resource on a long-term basis. That is why the operations of Mountain Innovations are centred around **future-oriented thinking and ecological sustainability**. Since the Mountain Tower requires very little ground space for its construction, it can be smoothly integrated into the surrounding countryside without major interventions. Its puristic constructional design furthermore enables an economic use of resources in the terrain. This optimised and comparatively minor intrusion in the landscape also has a positive effect on its direct environment.

- Best possible technical and optical integration into the natural surroundings due to low ground space requirement (approx. 28 m²)
- Optimal protection of nature due to an economic use of resources achieved through its puristic constructional design
- Low impact on animal wildlife due to flexible construction and quick assembly (ready for use within five days)
- Simple and almost residue-free dismantling possible within a short period of time
- Use of high quality, durable construction materials



SAFETY FIRST

Strict adherence to maximum safety standards

Mountain Innovations draws on almost 100 years of know-how when it comes to the highest safety standards and internationally recognised certifications.

The Mountain Tower offers an **absolutely safe riding experience**. It is equipped with a redundant locking mechanism in the safety bail system that checks and ensures that the locking of the restraint mechanism is in place before every use. This redundant lifting mechanism as well as the hydraulic shock absorbers guarantee maximum safety. The mandatory daily functional tests require a check of the system's functionality before operation is enabled. The Mountain Tower is furthermore equipped with a wind sensor that forces operation to stop automatically in the event of high winds. In order to protect passengers from falling snow and ice, the tower's maintenance platform allows clearance of all weather-related residues.

As a premium provider, Mountain Innovations works according to the **highest valid safety standards**. Each Mountain Tower is designed and realised in adherence to the latest norms and standards. To guarantee this, Mountain Innovations continuously cooperates with various notified bodies and certified institutions at national and international levels.

ALPINE ADVENTURE WORLDS

created in and with nature

Mountain Innovations specialises in orchestrating modern alpine experiences and alpine adventure worlds in and with nature. An authentic and individual design of all elements as well as a consistent and a holistic storyline are of prime importance and play a vital and elementary part.

Individual theming



In consideration of the local and existing features, resources and **unique selling propositions, individual and profitable theming concepts** will be developed in cooperation with all partners. Current, promising trends and ecological considerations such as environmental protections as well as pre-existing philosophies and approaches will, of course, all be taken into account during this process.

Authentic design



Regarding the **design options for the Mountain Tower**, the possibilities are virtually endless. The design of each Mountain Tower can be adapted to the environment it is planned for and according to **customer requirements**. Individual decorative elements and customised lighting make every tower stand out as a unique attraction. From an individual “look and feel” to conceptual and thematic design integrations, everything is possible.

Innovative technologies



Unique visitor experiences may happen on multiple levels and various **channels of perception**. Therefore, **innovative technologies** are enriched with **interactive elements** in order to provoke a unique and multisensory **wow-effect**. This includes an appeal to cognitive senses through sound engineering. The Mountain Tower may also be equipped with auditory features: Speakers integrated into the seats may provide visitors with information coordinated with the current position of each passenger.

Edutainment



Methods for **imparting knowledge** used sensibly and purposefully and **combined with new technologies** allow children, teenagers and adults to fully immerse themselves individually, playfully and excitingly with the offered topics and themes. **Entertaining (learning) content** is not just attractive and pleasing but may also amplify interest and motivation to actively participate both mentally and physically.



HOME OF TROLL

Immerse yourself into a mystical world

The Mountain Tower in the design of the Home of Troll fascinates adventure seekers as it **blends into the surrounding environment particularly harmoniously** and thrills visitors with extraordinary views from the treetops. Individual design options in and around the tower offer **versatile ways of exploring the alpine habitat of a forest**. With this design, there is even the option of being elevated into the trolls' tree house to intensify the experience of discovering the world of forest spirits.

Visitors become part of this hidden world full of trolls, dwarfs or gnomes. Additional interactive elements allow visitors to find out more about the multi-faceted world of the forest and help them expand their knowledge. The addition of further components to this Home of Troll design can easily be carried out at any time. In terms of imagination the sky is the limit.

FACTS

- Capacity: 300 pax/hour
- Motion:
 - ⇒ Views/height
 - ⇒ 360° panoramic view
 - ⇒ Free Fall
 - ⇒ Swings
 - ⇒ Jumpings
- Low personnel effort
- Operating temperatures: -10 to +40 °C
- Gravitational acceleration: 0.8 g
- Maximum rotation speed: 10 rpm
- Lifting speed: 2 m/s
- Maximum lowering speed: 3.5 m/s
- Standard: DIN / EN 13814
- Turnkey system



INSPIRE. ADVISE. ACCOMPANY.

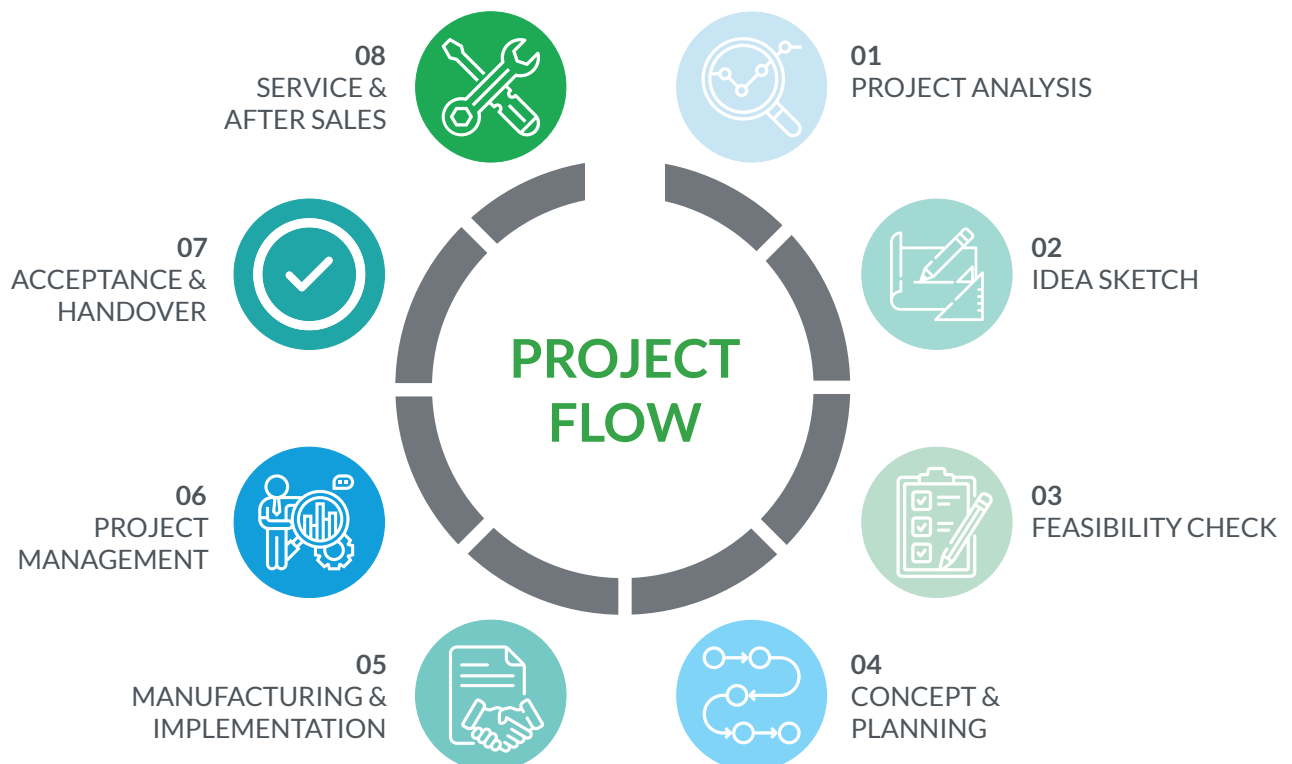
Personally & qualified

The planning stage is a complex process. Therefore, a well-structured project flow is imperative. Mountain Innovations inspires, advises, and accompanies its customers and partners every step of the journey and at all levels. Technically, conceptually, and economically.

A designated project-reference person ensures:

- personal and individual consulting
- consistent communication
- efficient project management
- as well as a controlled quality assurance

A detailed planning process as well as high-quality project documents are not just the foundation for a decision-making process by the person, body, or committee responsible. They also facilitate a rapid handling of various procedures such as submissions, permits, and funding.





COOPERATION WITH PROFESSIONALS

Quality, competence and partnership

For Mountain Innovations as a **premium provider**, supreme project quality is a requirement. Being a subsidiary of ZIERER, the enterprise can rely on the extensive know-how of the STREICHER Group at any time. The wide range of manufacturing options that Mountain Innovations offers, allows for an individual realisation of each project. The high degree of in-house production and the consequent ability to guarantee deadlines assures highest quality project execution.

The modular construction design shortens assembly time and efficiently arranges the construction process.

Mountain Innovations oversees every project during its entire lifespan. The qualified, internal after sales service provides round-the-clock support. Mountain Innovations develops every project in cooperation with its partners. The agile and close communication allows each project to be tailored to the requirements and wishes of the customers.



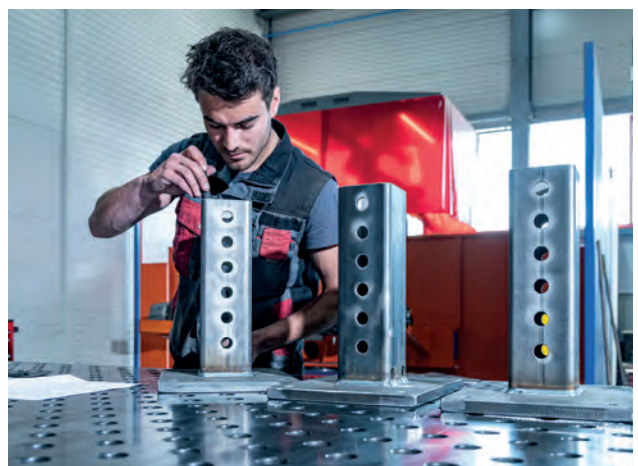
Trouble-Shooting

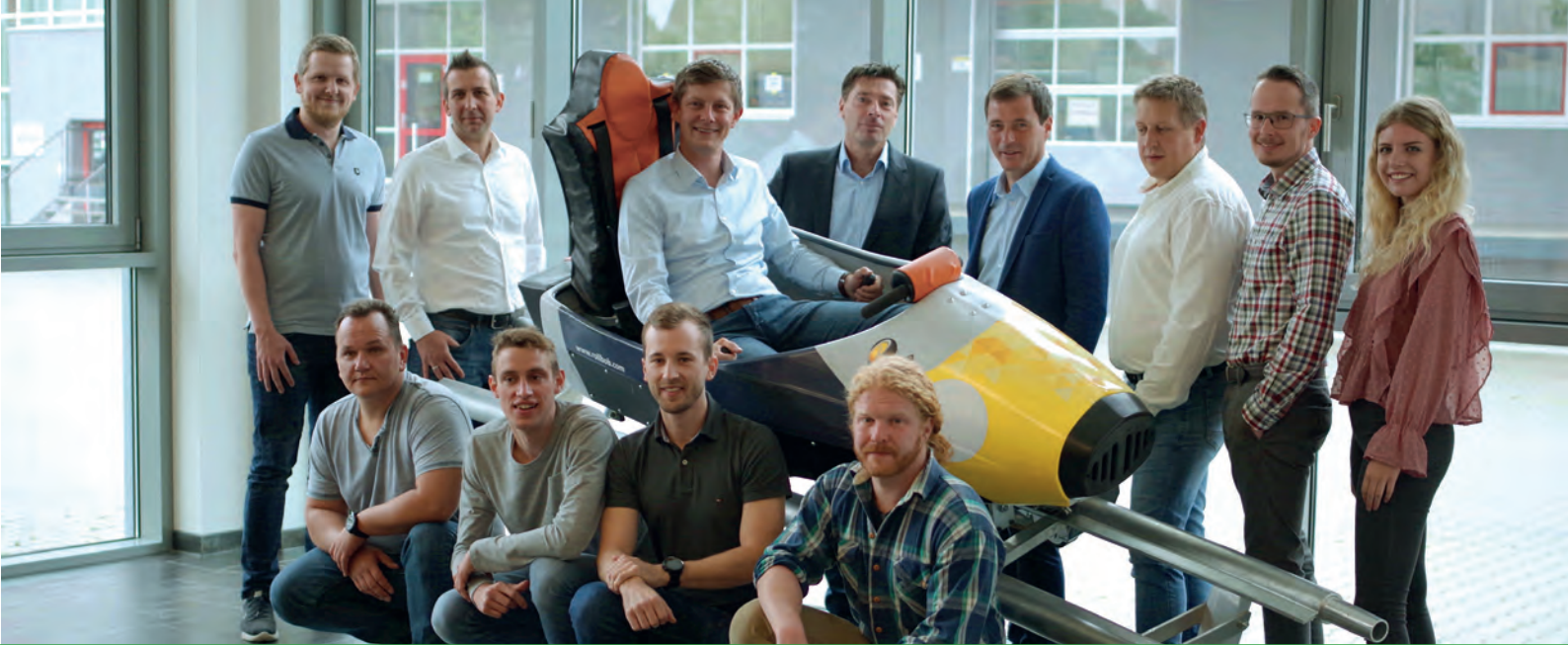


Spare Parts Depot



24/7 Hotline





A PERFECT SYMBIOSIS

Experience & know-how meets innovation

The corporate parent STREICHER Group employs around 4,000 people at 30 locations around the world and can look back on a success story of over 100 years in the following spheres of business:

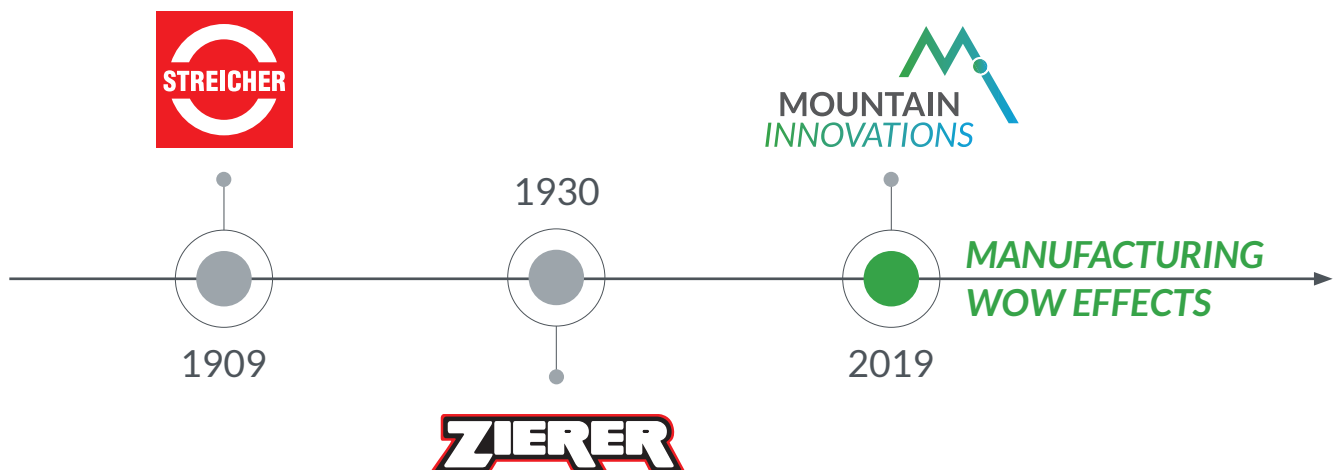
- Pipelines & Plants
- Mechanical Engineering
- Electrical Engineering
- Civil & Structural Engineering
- Raw & Construction Material

The companies within the STREICHER Group specialise in a variety of services. This enables them to operate efficiently and purposefully on the market. While ZIERER has been involved in renowned amusement parks all over the world for over 90 years, its subsidiary Mountain Innovations was founded in

June 2019 as a new branch of business outside of the theme park sector in order to realise adventure offers in and with nature in alpine areas.

Mountain Innovations – an Austrian-rooted company that forms the perfect business symbiosis with the STREICHER & ZIERER enterprises.

Mountain Innovations' highly qualified consultants have 25 years of alpine experience and expertise – not only in terms of development, but also when it comes to operational procedures for leisure facilities. This allows the company to draw on extensive experience and **know-how gained in almost 100 years of experience orchestrations** – on technical, planning, and conceptual levels.



MOUNTAIN INNOVATIONS LAB

The name reflects the aim

Re-thinking alpine experiences in and with nature and redefining standards with innovative, authentic, and sustainable leisure activities in alpine areas is the Mountain Innovations philosophy. This is the maxim with which Mountain Innovations strives to make constructive contributions to alpine tourism. Seeds of thought, approaches and ideas – there is innovation in abundance within companies and organisations – convincing, unique, visionary.

The aim of the **Mountain Innovations Lab** is to create an environment in which **innovation impulses and ideas for alpine adventure facilities** are generated, brought together and structured, together with creative internal and external partners, as an ongoing process, resulting in implementation and market launches.

Courageous ideas, strong partnerships as well as safe and sustainable solutions are what the Mountain Innovations Lab stands for.



MOUNTAIN WAVER

