

MANUFACTURING WOW EFFECTS

MOUNTAIN WAVER

INSPIRING. SPLASHING. INTERACTIVE.



MOUNTAIN WAVER

Splash and cruise around

The Mountain Waver is the central element of an adventure world that **uniquely combines the elements of water and air** for people of all age groups to explore playfully. The idea behind it is as simple as it is ingenious: on a large round pool of water, the passengers of the Mountain Waver ride in **individually steerable gondolas** which are attached to a guide ring and rotate around the centre platform. In essence, the Mountain Waver enables a **feeling of jet-skiing** against the backdrop of alpine or urban recreational oases. The possibility of **individual steering**, combined with **numerous interactive elements** such as independent swivelling, allows passengers to control the action and experience the Mountain Waver as actively or passively as they desire. The circular arrangement of the gondolas around a customised island in the centre enhances the group experience for families, friends or colleagues. The Mountain Waver innovatively harnesses the **universal appeal of water** and **transports a holistic summer experience to the mountain**. Also in **urban areas**, this splashing feature magically attracts recreation and adventure seekers alike.

EXPERIENCE THE MAGIC OF WATER TOGETHER

Individual and interactive

The Mountain Waver's diverse conceptual design options enable individual adaptations that allow it to fit its environment perfectly. **Inspired by its surroundings, the integrative aspects of local culture, customs, or flora and fauna make every Mountain Waver unique.** Additionally, the individuality of each installation is not limited to its appearance. **Through the interactive elements, every rider gets to have a slightly different riding experience.** By swivelling, for example, passengers may even splash the spectators.

Exciting joint experience

Water fascinates people of all ages, which makes the Mountain Waver the **perfect family attraction**. It allows family or group members to experience the ride together and yet individually. When accompanied by an adult, passengers from the age of 4 and with a minimum height of 1 metre can board the Mountain Waver. Adventure seekers aged 8 and over and with a minimum height of 1.30 metre may enjoy the ride by themselves.

One goal, one partner

Thinking about the thematic embedding of the Mountain Waver and its individual design is all the operating company of this adventure facility has to do. Everything else – design, delivery, installation as well as after sales services – comes from one single source, making the processes as uncomplicated as possible.



Interactivity



Water
Adventure



Group Fun
All-Around



Individual
Theming



Panorama



Dismoun-
table



Summertime
Operation



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.

Due to that reason the operations of Mountain Innovations are centred around **future-oriented thinking and ecological sustainability**. Since the Mountain Waver requires very little ground space for its construction, it can be smoothly integrated into the surrounding countryside without major interventions. Furthermore, its streamlined constructional design enables an economic use of resources in the terrain and a minimal intrusion of nature.

- Simple and discreet integration due to low ground space requirement
- Optimal technical and visual integration into the landscape and maximum conservation of nature through economical use of materials in the terrain
- Low impact on animal wildlife due to flexible construction and quick assembly (ready for use within seven days)
- Use of high quality, durable construction materials
- Regenerative braking energy recovery (optional additional function)

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 Waver offers an **absolutely safe riding experience**. The railing ensures safe and comfortable operation. For best-possible passenger protection, each gondola is equipped with safety doors. The electronic control unit is integrated in the operator's booth. Furthermore, the Mountain Waver is equipped with a monitoring system that permanently controls the overspeed and the direction of rotation. A mandatory functional test is required before each start of operation.

As a premium provider, Mountain Innovations works according to the **highest valid quality 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 Waver**, the possibilities are virtually endless. The design of each Mountain Waver can be adapted to the environment it is planned for and according to **customer requirements**.

Individual decorative elements and customised lighting make every Mountain Waver 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 also includes an active participation on behalf of the passenger. Riders of the Mountain Waver can adjust the ride to their liking by using the autonomously controlled steering of the gondolas and splash spectators in the surrounding area.

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.

ALPINE ART

Chamois in the urban jungle

The flexible conceptual design allows the Mountain Waver's appearance to either be perfectly adapted to its surroundings or to playfully emphasise thematic and visual contrasts as desired.

With the Alpine Art version, the Mountain Waver is positioned in urban recreation areas and relaxation spots, presenting itself in an alpine look that conveys a mountain feeling. Larger-than-life chamois in modern origami style throne the peak above the Mountain Waver, which can be reached via the built-in staircase. The artistic mountain wildlife design of the Mountain Waver lends an alpine flair to every urban environment, creating exciting contrasts and new thematic facets for visitors.

FACTS

- Capacity: 6 gondolas-> 320 Pax/h
9 gondolas -> 450 Pax/h
- Low staffing level
- Operating temperature: +5 to +40 °C
- Max. rotation speed
Guide ring: 15,5 km/h
Gondolas: 24 km/h; 8 rpm
- Minimum diameter water basin: 19 m
- Standard: DIN EN 13814
- Turnkey system





INSPIRE. ADVISE. ACCOMPANY.

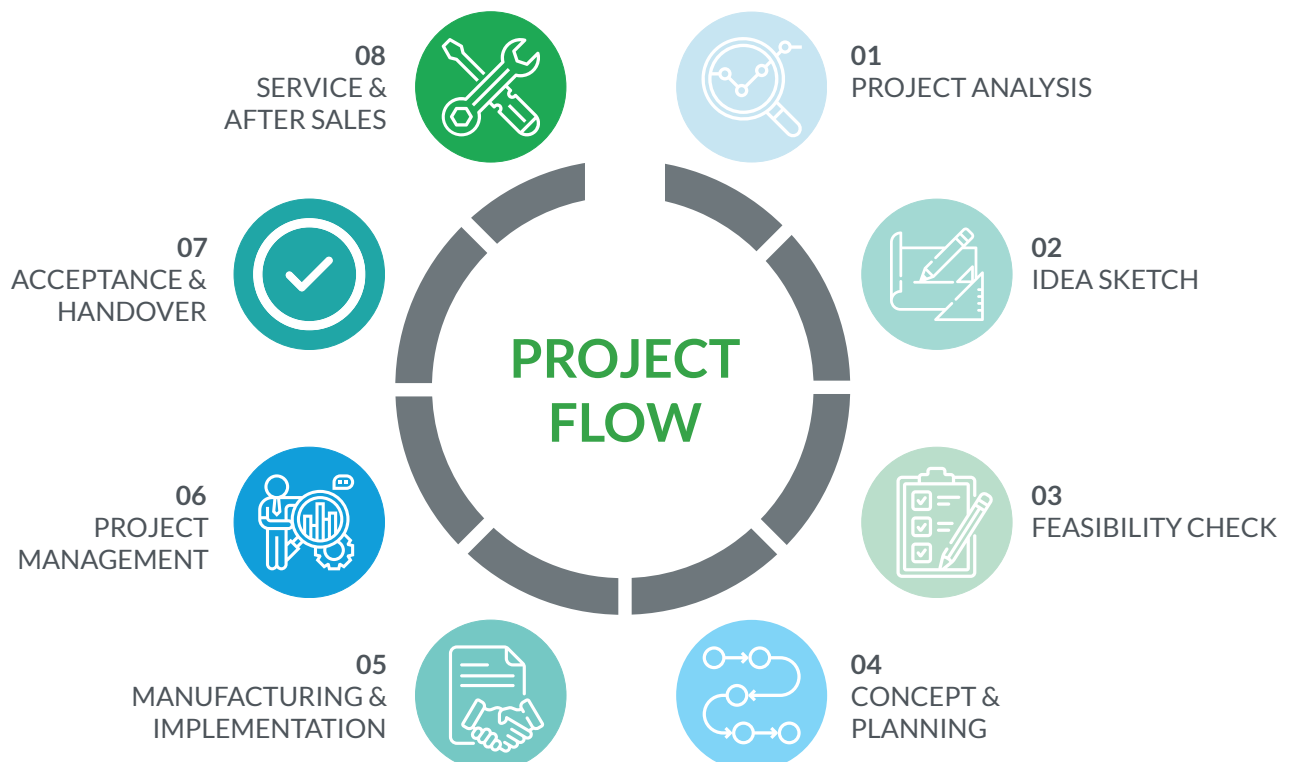
Personally & qualified

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.



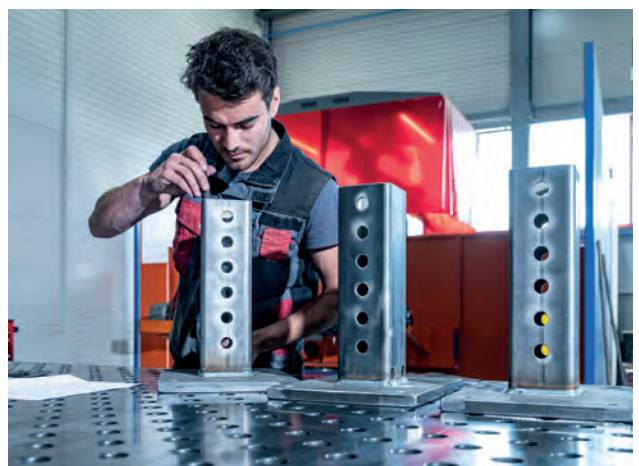
Trouble-Shooting

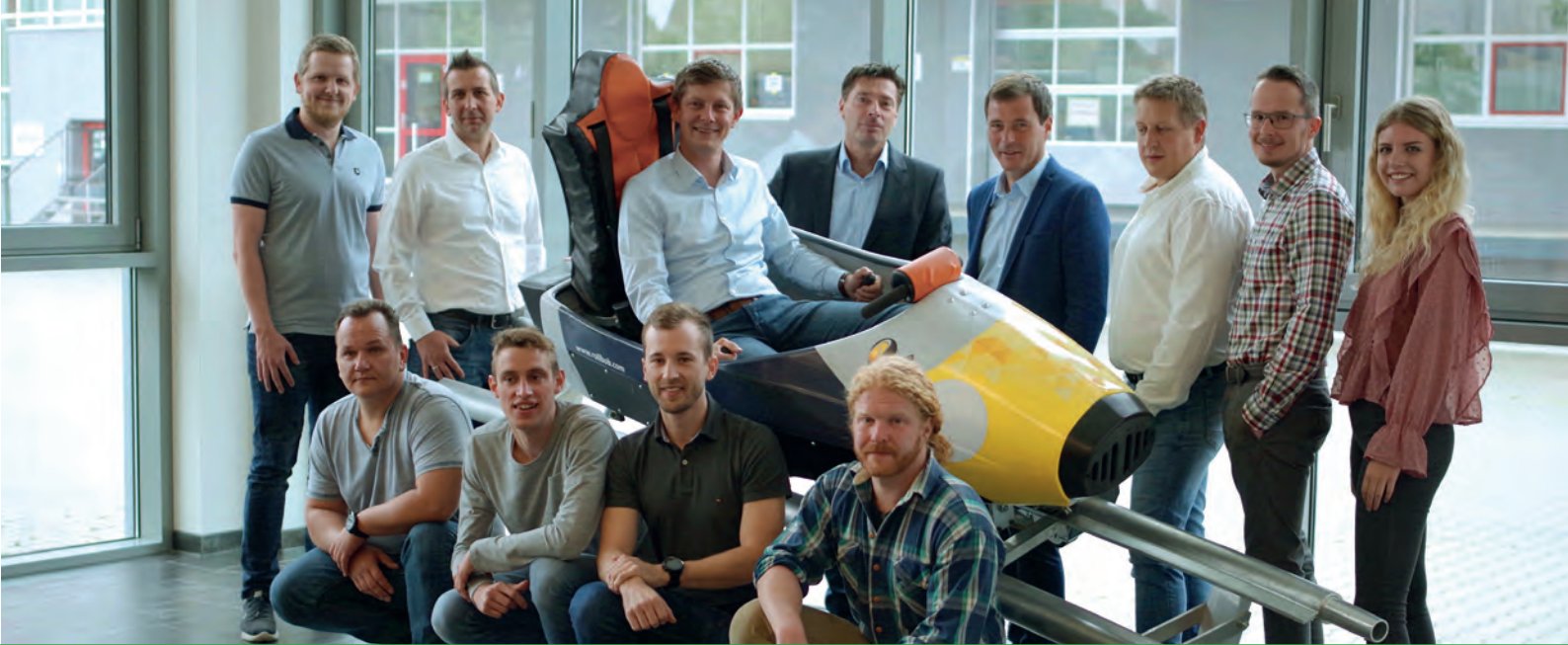


Spare Parts Depot



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:

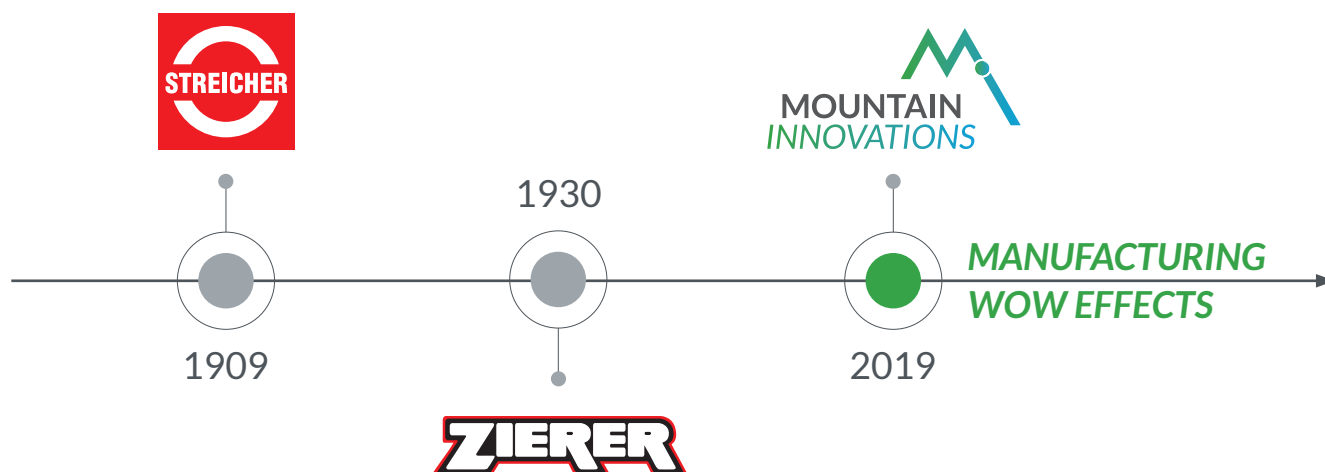
- Pipelines & Plants
- Mechanical Engineering
- Electrical Engineering
- Civil & Structural Engineering
- Raw & Construction Material

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 SLIDE

