KRISTALL TURM®

THE HIGH ROPES COURSE



www.kristallturm.com

KRISTALLTURM HIGH ROPES COURSES.







Fun & Action for the whole family.

A KristallTurm® High Ropes Course is a climbing tower consisting of steel poles connected by various climbing elements. The construction is free-standing, allowing a KristallTurm® to be built and operated almost anywhere.

Due to the modular and extendable system, the High Ropes Courses can be customized in size and height and adapted to given conditions.

The High Ropes Course is used like a kind of artificial via ferrata. Through a safety system consisting of two communicating carabiners, the climbers are continuously secured to a steel rope. By simply rehanging the carabiners, visitors can choose their own route without a predetermined direction of movement depending on the level of difficulty. This means that there are neither traffic jams nor waiting times.

A KristallTurm® High Ropes Course offers fun and action for the whole family, whether for the little adventurers in the kids course or for all other age groups in the levels above.

Impressions of our High Ropes Courses in action!



©Alexandra Gandyra// Tankumsee



©Nico Aventura

THE CONCEPT OF KRISTALLTURM.

Add-Ons

There is a wide range of add-ons and extensions available that can be attached to the outside of the High Ropes Course.



Small footprint

Due to the small footprint of the High Ropes Course, no large area is required and can therefore also be built into cities for example.

Kids Course

A kids course can be integrated as the lowest level to provide a unique climbing experience for even the smallest adventurers.

Platform

A platform allows an extended use in addition to the High Ropes Course operation.

Modular system

Due to the modular construction consisting of triangles, all kind of shapes and variations of the High Ropes Course are possible.

No specified direction of movement

Visitors can choose their own way without predetermined direction of movement depending on the level of difficulty.



Customization

Our climbing elements can be individually adapted and themed. This makes every High Ropes Course unique.

Climbing elements

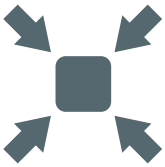
The Climbing elements are the heart of the High Ropes Course. We offer over 200 different variations, which are continuously being developed.

OUR ADVANTAGES.



Turn-key business

We offer a turnkey business model that only needs to be put into operation.



Small footprint

Due to the hexagonal construction, only a small footprint is required for a unique climbing experience.



No trees necessary

Unlike a climbing forest, our ropes courses are freestanding, which means that no existing trees are necessary.



High return

High visitor capacity, low staffing requirements, minimal energy costs. A ropes course offers a quick and easy way to achieve high returns.



Latest safety technique

We work with the latest security systems from various manufacturers for high security standards.



Individual Configuration

All of our High Ropes Courses are customized and manufactured individually and can be easily extended.



Free climbing routes

Due to the modular system with free choice of climbing routes, there are no traffic jams and waiting times.



Big target group

The climbing opportunities offer young and old an unique climbing experience.

// HIGH ROPES COURSES WORLDWIDE //

KRISTALLTURM
HIGH ROPES COURSES WORLDWIDE.

15
YEARS OF EXPERIENCE

80
HIGH ROPES COURSES

30
COUNTRIES

North America

Canada , Ohio, Tennessee, Indiana, Colorado, Texas, Carolina, New York, Florida

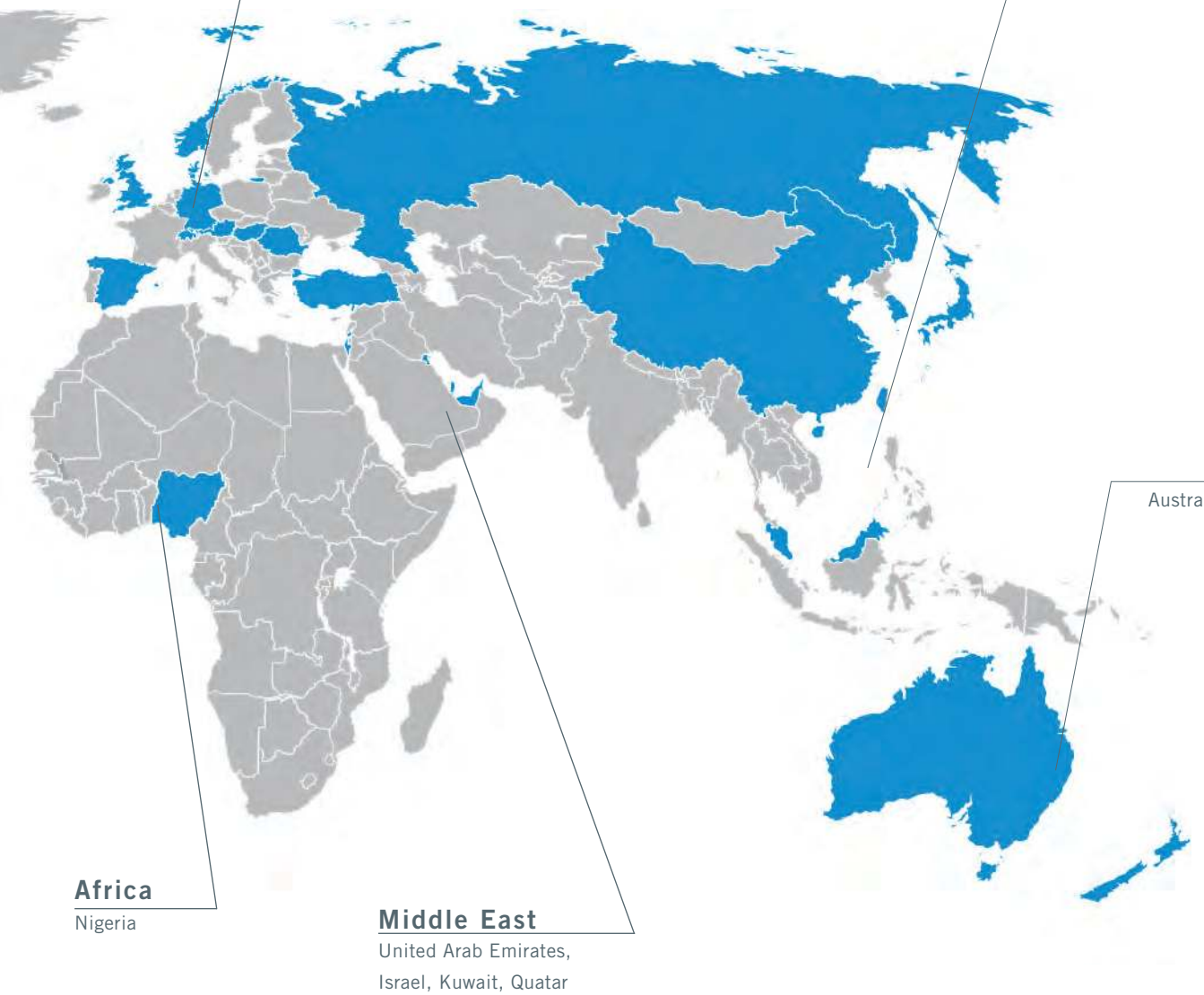


Central America

Cuba, Dominican Republic, Bahamas

Europe
Germany, Hungary, Norway,
Switzerland, Austria, Spain, UK,
Denmark, Russia, Turkey, Romania

Asia
Japan, China, Malaysia, Korea



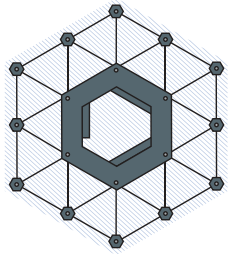
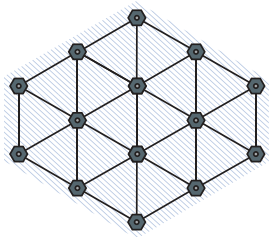
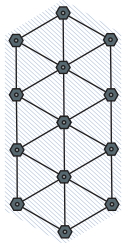
Ozeania
Australia, New Zealand

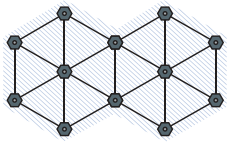
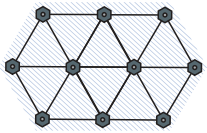
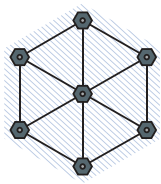
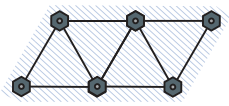
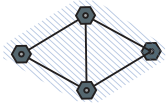
Africa
Nigeria

Middle East
United Arab Emirates,
Israel, Kuwait, Quatar

Discover our High Ropes
Courses worldwide!

// OVERVIEW HIGH ROPES COURSES//

	SIGNATURE	EFFICIENCY	
			
	KT-18	KT-14	KT-13
SPACE	900 m² 9688 sq ft	640 m² 6889 sq ft	580 m² 6243 sq ft
LEVELS	2 | 3 | 4	2 | 3 | 4	2 | 3
HEIGHT	12 m | 17 m | 22 m 39 ft | 56 ft | 72 ft	12 m | 17 m | 22 m 39 ft | 56 ft | 72 ft	12 m | 17 m 39 ft | 56 ft
DIMENSIONS	30 x 34 m 32 x 36 m 98 x 112 ft 105 x 118 ft	26 x 30 m 28 x 32 m 85 x 98 ft 92 x 105 ft	16 x 34 m 18 x 36 m 52 x 112 ft 59 x 118 ft
ELEMENTS	60 | 90 | 120	58 | 87 | 116	52 | 78
CAPACITY	80 | 120 | 160	80 | 120 | 150	70 | 100

ALLROUNDER		STARTER	MICRO & INDOOR	
				
KT-12	KT-10	KT-7	KT-6	KT-4
570 m²	430 m²	300 m²	220 m²	110 m²
6135 sq ft	4628 sq ft	3229 sq ft	2368 sq ft	1184 sq ft
2 | 3	2 | 3	2 | 3	2 | 3	2 | 3
12 m | 17 m	12 m | 17 m	12 m | 17 m	12 m | 17 m	12 m | 17 m
39 ft | 56 ft	39 ft | 56 ft	39 ft | 56 ft	39 ft | 56 ft	39 ft | 56 ft
18 x 30 m 20 x 32 m 59 x 98 ft 66 x 105 ft	16 x 26 m 18 x 28 m 52 x 85 ft 59 x 92 ft	16 x 18 m 18 x 20 m 52 x 59 ft 59 x 66 ft	9 x 22 m 11 x 24 m 30 x 72 ft 36 x 79 ft	10 x 16 m 12 x 18 m 33 x 52 ft 39 x 59 ft
46 | 69	38 | 57	24 | 36	18 | 27	10 | 15
60 | 90	55 | 75	35 | 50	25 | 35	15 | 20

SIGNATURE MODEL.



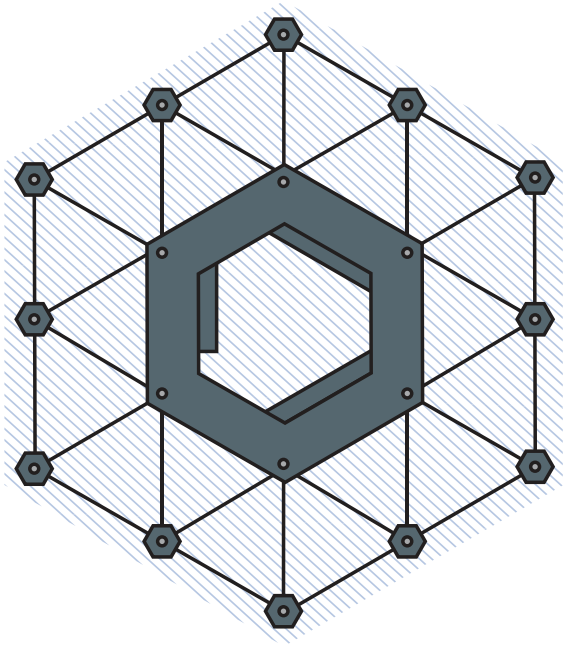
Our KT-18, the landmark of an entire region.

The KristallTurm® KT-18 is the top model among our High Ropes Course structures. Its unique design makes it the landmark of an entire region.

The Signature model is particularly well suited for highly frequented locations, as up to 160 visitors can climb at a time. This allows a high throughput of visitors over of the day.

However, due to its space-saving layout, this model only requires an area of approximately 900 m^2 (9688 sq ft), making it ideal for urban areas such as city parks. It can be raised up to four levels, reaching a height of up to 22 m (72 ft), making it visible from a distance. In addition, platforms can be installed in the center and on the top level of the structure. This provides further options of use beside the climbing operation.





Discover our Signature Model online!





Nanjing, China



Platja d'Aro, Spain

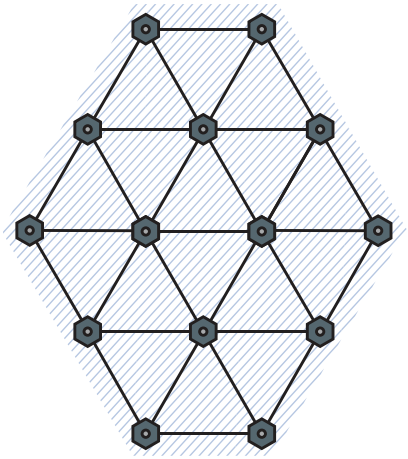
EFFICIENCY MODELS.

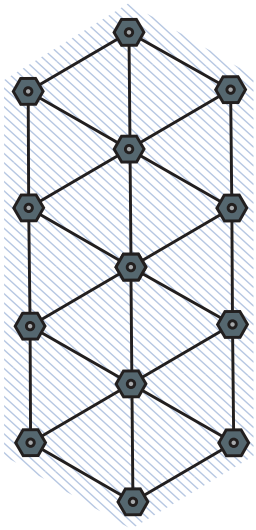


Our Efficiency models are the space-saving alternative to our Signature High Ropes Courses, with an optimal surface area to benefit ratio.

The KT-14 has almost the same visitor capacity as the KT-18 and can be extended up to 4 levels. The area is fully utilized for climbing stations. However the central walkways have to be dispensed.

Due to their shape the models are particularly suitable for narrow long areas. The event platform can be integrated on top of the structure, as a lookout point for visitors or a rest area for climbers.







Discover our Efficiency Models online!



Shanghai, China



Adelboden, Switzerland

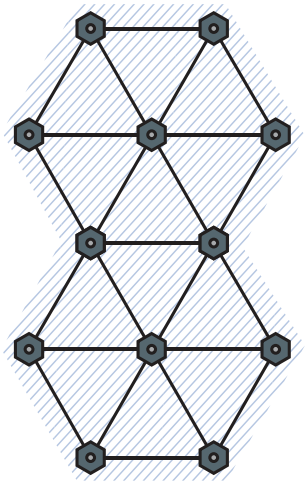
ALLROUNDER MODELS.

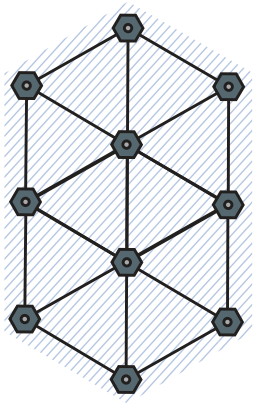


The KT-10 and KT-12 are the allrounders among our high ropes courses. They cleverly combine the versatility of the larger models with the space-saving and efficient features of the smaller ones.

In both models, all the large add-on elements such as a tube slide, a giant swing, or an abseiling station can already be integrated in one tower. An event platform is usually installed on seven poles, providing visitors with a place to rest while observing others climb. Both Allrounder models can be built on up to three levels, offering up to 57 (KT-10) or 69 (KT-12) different climbing elements.







Discover our Allrounder Models online!



Oberhof, Germany



Wales, UK

STARTER MODEL.

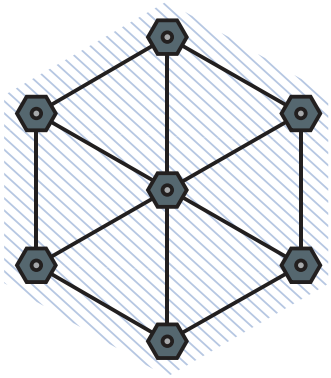


The perfect start into the High Ropes Course business.

The KristallTurm® Starter model KT-7 is the ideal solution for locations with space constraints and is perfect for upgrading an amusement park, a zoo or a hotel resort.

As with all other models, expansion is possible at a later date. Thus, you remain flexible and can further expand the High Ropes Course as needed after the start of business operations. The model represents an ideal point to start.

But the KT-7 model is also a good choice for smaller towns and municipalities to offer their inhabitants a variety and a special kind of experience. Like the other bigger versions, an event platform can be integrated on top of the highest level and offers a spectacular location for events in addition to the climbing operation.





Discover our Starter Model online!



Natternbach, Austria



Namsskogan, Norway



Lake Nona, Florida

MICRO & INDOOR MODELS.

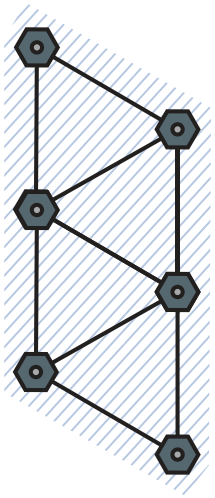


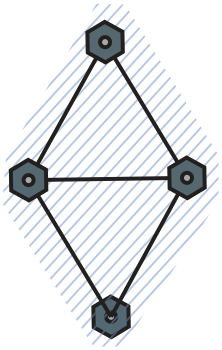
Small but mighty.

Our Micro models are the most space-saving KristallTurm® High Ropes Courses. They fit even into narrow terrain strips and require only one or two supervisors when fully utilized.

In addition to the standard KT-4 and KT-6 variants, the models can also be adapted to individual locations such as indoor facilities. Due to the short assembly time, they are also ideal for temporary set-up as part of larger events.







Discover our Micro Models online!



Bensheim, Germany



© Urs Golling

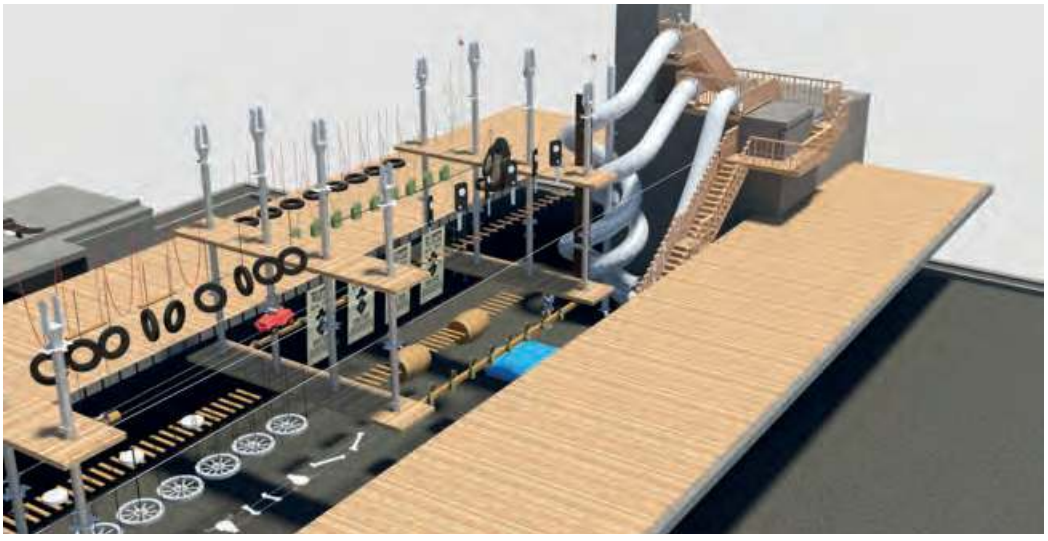
Tegernsee, Germany

SPECIAL EDITIONS.

For locations with special requirements, we also plan and build High Ropes Courses outside of our standard system. These are individually designed by us and adapted to the respective requirements and conditions.

Especially for indoor facilities alternative constructions are needed. For example, the climbing elements can be installed hanging from the ceiling, just to mention one possibility.





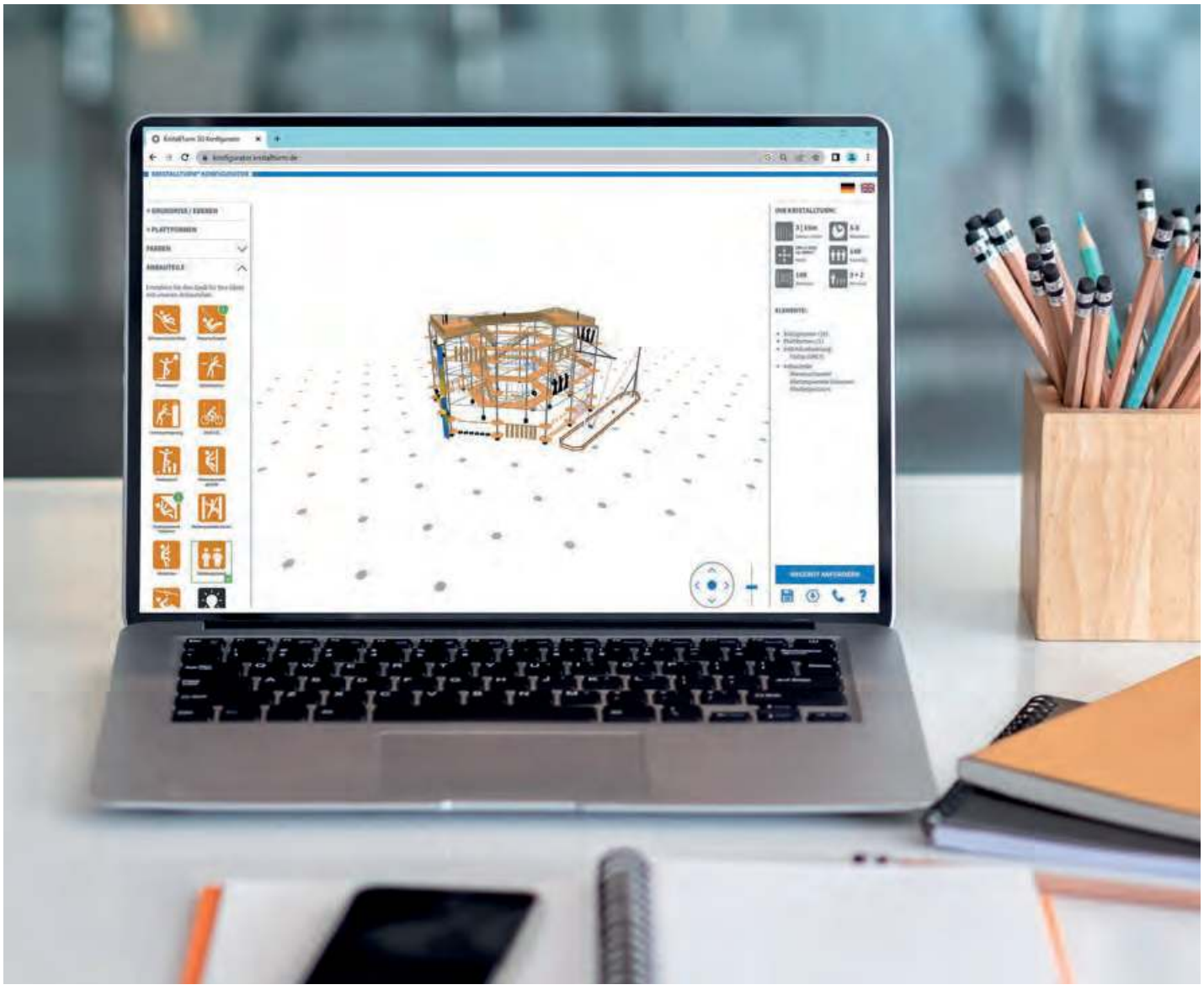
Discover our Special Editions!

INDIVIDUAL HIGH ROPES COURSES.

No problem with our 3D configurator.

Due to the modular system, even special shapes are no problem. With our 3D configurator, all possible High Ropes Course configurations can be created and all our add-ons can be easily integrated, so that your individual and unique High Ropes Course is created.

Try out our 3D configurator now!



MORE THAN 200 ELEMENTS.







We offer Climbing elements in a wide range of variations and difficulty levels.

The Climbing elements, which must be managed to get from platform to platform, are the heart of a High Ropes Course. Here, climbing guests can rise above themselves and test their limits.

Our portfolio of Climbing elements is versatile and continuously developed and improved. We offer elements in a wide variety of categories, which can also be indivdualized and themed. These include:

- Bridges
- Beams / seasaws
- Hanging elements
- Bars
- Climbing elements
- Hand over hand elements
- Nets
- Ropes
- Moveables
- Team elements

Discover more of our Climbing Elements!




©Mico Aventura


©Alpinbob






©Mico Aventura

// INDIVIDUALIZATION //

EACH PROJECT IS UNIQUE.







We adapt every High Ropes Course to your ideas!

Due to the modular design of equilateral triangles, almost any shape can be built, both outside and inside. Furthermore, we can coat the base frame in any color for visual enhancement.

The High Ropes Courses can also be individually themed. Our creative team is constantly coming up with new ideas and adapting the product to the specific location. Our creative team is constantly developing new ideas and adapts the product to each location or desired theme. Several cars, various birds and animals, gondolas, milk cans, jet skis and much more have already been installed.















KIDS COURSE.



Our most popular add-on is the kids course, which is installed under the first level.

Our kids course is installed in 90% of all our High Ropes Courses, as this again expands the target group.

We use the KOALA POULIZ continuous belay system, which is easy to use for children, so that they can climb through the Climbing elements without supervision. The safety system prevents unintentional unhooking and thus ensures additional safety.


©Mico Aventura










NOW OPEN
MELBOURNE
CablePark







PLATFORM.

Event location, rest area or viewpoint.

The event platform offers itself as a viewing point for visitors or as a rest area for climbing guests. It shows its full potential as a location for parties or other events in the High Ropes Course. Offer your guests a spectacular location and secure additional income.

Whether event, viewing or ground platform: Different variations can be integrated into a KristallTurm® High Ropes Course, creating an additional usage option.

Platform Variations

- Event Platform
- Ground Platform
- Viewing Platform

ZIP LINE.



The zip line is an exciting add-on element for the KristallTurm® High Ropes Course and can be planned in various ways according to local conditions. For example, a route from the tower directly to the ground or from the tower to a transfer pole and from there to the ground is possible. With the third version, guests “fly” from the tower to a transfer pole and from there back to the tower. The routes lengths as well as the start and end points are designed according to the terrain. The zip line is especially well suited as an exciting way to descend from the KristallTurm® High Ropes Course.









GIANT SWING.

The giant swing is one of the most popular add-on elements of the KristallTurm® High Ropes Course. It is the absolute screech factor for guests of all ages. An electric cable winch pulls the swing up to an angle of 50 degrees. Once it reaches the highest point, the guests unhook themselves and off they go! The giant swing can be used by around 40 visitors per hour.

WALK THE PLANK.

Walk the plank is a challenging element for courageous climbers with a lot of balance. The climbers balance on a small steel beam that leads away from the climbing tower. At the end of the beam, a bell is placed, which the climber can ring once he has reached the furthest end. Walk the plank is like an extra climbing element, but it is attached to the side of the base structure, not within it. As it does not occupy any extra space on the ground, it is very popular with our clients.



TUBE SLIDE.

The tube slide is an add-on element, which is not only suitable for climbers but for all visitors as no belay system is needed. This stainless steel tube slide is used with a sliding bag, provided at the entrance. Depending on the version, the user slides down the spiral in complete darkness or in a transparent tube. Due to the bag, even the climbers with their safety equipment are able to slide down the tube. About 60 visitors can use the tube slide per hour.



ABSEILING STATION.

A step that packs a punch. From below, this station looks quite harmless. Yet once you're standing on the small platform at the top, it takes real courage to step over the edge into nothingness and just let yourself fall. At the abseil station, visitors plunge into the depths and experience a true free-fall sensation. The braking system of the descent device slows the fall at just the right moment. The guest is then gently lowered to the ground in a controlled manner. For all visitors, young or old, this attraction is a genuine thrill. The system requires very little maintenance, is suitable for both children and adults, and allows for high throughput – up to 30 people per hour can enjoy the experience.



CLIMBING PANEL.

The climbing panels are attached to the outer poles of the High Ropes Course and can reach up to the third level. Visitors can climb in safety with an automatic belay and with no need for a partner or special equipment. With a carabiner hooked to the harness, guests climb as far as their strength allows. No additional personnel is required to operate the climbing wall. The panels can be designed in different colors. There are three different versions: Straight, with overhang or chimney.



Climbing column

With our signature model, the KT-18, there is also the option of attaching an interior climbing wall with 190 m^2 (626 sq ft) of climbing surface. The height of 12.7 m (417 ft) and the hexagonal construction offer various possibilities for routes in different degrees of difficulty. Furthermore, there are no limits to the choice of colors and materials.



FURTHER ADD-ONS.



Diagonal Climbing elements

Diagonal Climbing elements can be used to create alternative ascent routes from one level to another. The elements are attached to the outside of the tower.



Vertical Climbing elements

Like the diagonal climbing elements, the vertical version also offers the possibility of connecting climbing levels with each other using special elements. The vertical connection is also attached to the outside of the tower.



Pole Walk

Secured with an automatic safety system, the climbers can reach the second level on stilts. A sense of balance and surefootedness are required here.



Panorama Swing

The panorama swing allows you to swing at an airy height with a spectacular view without having the ground directly under your feet.



Pillow Jump

With the Pillow Jump, visitors can jump into an air cushion from a height of up to 12 m (39 ft) without being secured. In addition to an adrenaline kick for the guests. The air cushion also offers a unique advertising space.



Teambuilding

Individual teambuilding elements can be integrated into the High Ropes Course. This allows an extended use and attracts e.g. companies or schools.



Sun & Rain Protection

Each KristallTurm® High Ropes Course can be fully or partially covered for sun and rain protection.



Sound- & Floodlight System

A floodlighting system allows operators longer opening hours and special offers such as after work or night climbing. Supported by a sound system to entertain the guests, a unique ambience can be created.



Cargo Crane

A cargo crane can be used to lift large quantities and heavy materials onto the platform, making it especially easy to hold events at lofty heights.

AFTER SALES SERVICE.

More than just High Ropes Courses.

In addition to the construction of High Ropes Courses, KristallTurm® offers other exclusive services. The subsidiary KristallTurm® Safety & Service GmbH is your specialist for self-belay systems and climbing accessories as well as maintenance, inspection and training of your staff.

The total package also includes the replacement of spare and wearing parts. With our broad network of partners and our many years of experience, we offer our customers a unique service and product portfolio.

The KristallTurm® Safety & Service GmbH offers:

- Personal Protective Equipment
- Height, Rescue and Abseiling equipment
- Spear and wearing parts
- Inspection & Maintenance
- Trainings

Find out more about Safety & Service on our website!









SHANGHAI

This 13-pole High Ropes Course with 78 climbing elements on 3 levels is located directly in the port of Shanghai. The tower was extended by a abseiling station, a giant swing, a kids course with 16 climbing elements and a tube slide. A special roof construction and climbing panels on the steel poles complete the facility. To withstand the weather conditions directly at the water, the steel parts were provided with a special corrosion protection.

Scan for even more succes stories!







KEY FEATURES

Location	Port of Shanghai, China
Opening	July 2018
Size	KT-13, 3 Levels, 78 Climbing Elements
Add-Ons	Kids‘ Course, Ground Platform, Roof, Tube Slide, Giant Swing, Salt Water Package
Operation	all-season



FLUMSER-BERG

The KristallTurm® High Ropes Course Cliimber is located at an elevation of 1,600 m (5249 ft) above sea level on the Flumserberg. It is THE summer attraction for fun, thrill & action. This High Rope Course contains 90 climbing elements on 3 levels, combined with an event platform, a zip line, a climbing wall, a giant swing and a kids course. The kids course is installed below the first level with additional 19 climbing elements and offers young kids their first steps into the climbing world.







KEY FEATURES

Location	Mountain station, Flumserberg, Switzerland
Opening	May 2012
Size	KT-18, 3 Levels, 109 Climbing Elements
Add-Ons	Event Platform, 6 Zip Lines, Climbing Wall, Abseiling Station, Kids Course
Operation	June – October

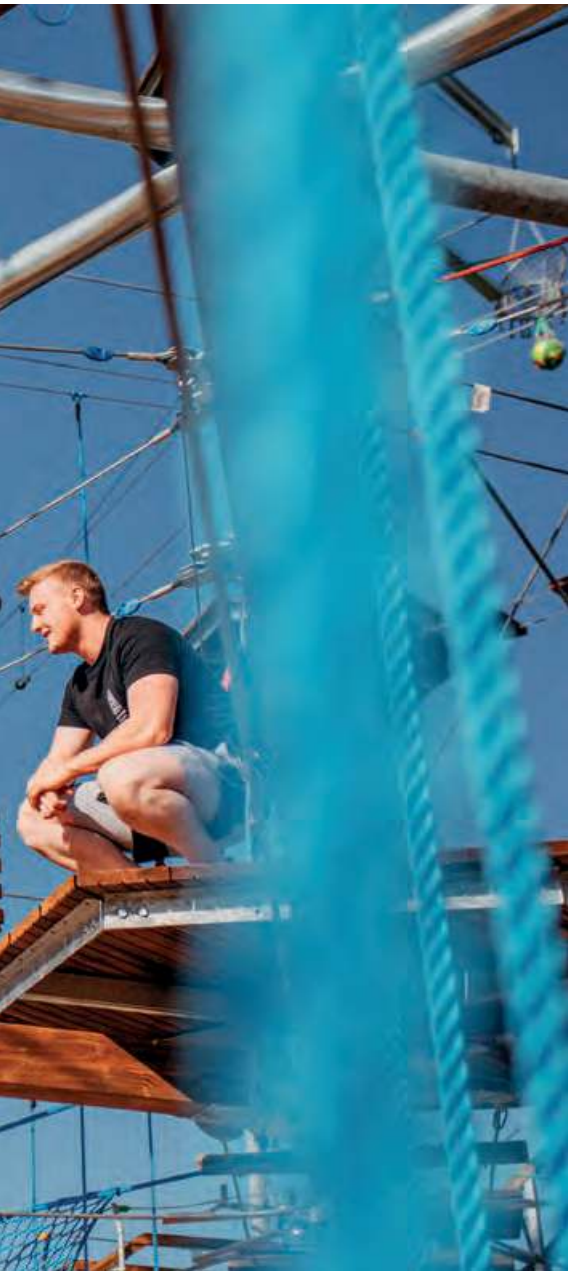
Scan for even more succes stories!



IKUNA

The KristallTurm® KT-7, which has been in operation since spring 2022, is located at the Ikuna Nature Resort in Natternbach, Upper Austria. As part of a nature adventure park, the High Ropes Course offers climbing fun for the whole family. Particularly exciting and action-packed are the abseiling station and the zip line with a length of over 90 meters (295ft). In addition, even the youngest can test their limits with the kids‘ course.

Scan for even more
succes stories!







KEY FEATURES

Location	Ikuna Nature Resort, Natternbach, Austria
Opening	May 2022
Size	KT-7, 3 Levels, 36 Climbing Elements
Add-Ons	Kids‘ Course, Abseiling Station, Walk the Plank, Panorama Swing, Zip Line
Operation	May – October



MIE

A special kind of KristallTurm® High Ropes Course opened in Mie, Japan, in summer 2024. Or rather, two high ropes courses. A KT-18 and a KT-7, connected by three suspension bridges. You have to traverse over 30 meters in lofty heights to get from one tower to the other. The KT-7 is located on a slight hill and thus offers a spectacular view over the Shima Peninsula. Another highlight is the plank walk. With a climbing area of around 1,200 m^2, this special attraction offers an adventure in a class of its own.







KEY FEATURES

Location	Mie, Japan
Opening	July 2024
Size	KT-18 & KT-7, 3 Levels each, 90 + 36 Climbing Elements
Add-Ons	3 Suspension Bridges, Walk the Plank

Scan for even more succes stories!

ABOUT US.





„With our High Ropes Courses we want to bring a bit more quality of life and health into urban areas.“

KristallTurm® was founded in 2010 by master carpenter and technical business economist Heinz Tretter. Since then we are THE High Ropes Course manufacturer. It all started with a self-designed and built High Ropes Course in Lenggries, Upper Bavaria. Based on this, KristallTurm® developed a unique concept of a free-standing High Ropes Course. This concept offers a lot of advantages for guests, operators and investors.

KristallTurm® has always stood for safety, tradition, but also innovation, creativity and highest quality. This is guaranteed by in-house support, consulting, planning and production of all products. All parts are individually manufactured in our own locksmith‘s shop, carpentry or climbing element construction.

Check out our image video!

2010 **First Project realized**
KT-18 in steel design assembled in Berlin

2010 **Founding of KristallTurm®**
Based on a High Ropes Course built in Lenggries

2012 **Internationalization**
Projects with patended design in Europe (Switzerland, Hungary, Spain) and the USA(Ohio, Houston)

2013 **Extension of Product Range**
Climbing and Bouldering Walls as well as Playgrounds, Adventure Paths and Fitness Courses complement the portfolio







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2020 | **Founding of the Safety & Service GmbH**

The Safety & Service GmbH extends the KristallTurm® family and takes care of ropes course equipment & supplies, maintenance, inspection and training

2019 | **Second home in Austria**

Commissioning of the newly built production site in Achenkirch, Tyrol with numerous modern machines (laser, joinery plant, impregnation plant, etc.)

SUSTAIN-ABILITY.

When it comes to sustainability, KristallTurm® is guided by the Sustainable Development Goals of the United Nations. For us, the topic of sustainability plays a role in the planning and production process as well as in our everyday work.

- A KristallTurm® High Ropes Course offers a sustainable experience in many aspects. These include the **emission-free operation**, the **low surface sealing** and the **sporting activity of the guests in the fresh air**.
- We obtain our wood mainly from **regional, sustainable forestry**. Further processing is also carried out by a **local sawmill**.
- When it comes to our suppliers, we make sure to use **local providers** wherever possible in order to shorten delivery routes.
- We try to **produce as much as possible in-house** to avoid long supply chains and to have control over processes, such as the use of environmentally friendly liquid wood preservative.
- By **reusing and recycling steel**, we have only a small percentage of operating materials to dispose of. **Wood leftovers** are also used for our own stove and thus **completely utilized**. Machines, laptops and other work **equipment are used for as long as possible** and preserved through repair instead of immediately purchasing a new one.





Osaka, Japan

FURTHER PRODUCTS.

Besides High Ropes Courses we offer further products in the Sports & Play area:

- **Playgrounds**
- **Adventure Trails**
- **Fitness Courses**
- **Ninja Parcours**
- **Bouldering Walls**
- **Climbing Walls**
- **Accessories**

More on our Sports & Play products can be found online!













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KRISTALL TURM®

THE HIGH ROPES COURSE

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