



ADRENALINE
CONSTRUCTIONS
some of our experience

Longest Zipline in Benelux



Location

Durbuy, Belgium



Inauguration

2021



Length

586 m



Drop

34 m



Speed

50 km/h



Duration

60 s



Capacity

180 ppl/h



Trail

2 cons.



Flight

Standard



Lines

3 parallel

Overview

In the province of Luxembourg and in the heart of the smallest city in the world is the largest adventure park in Belgium: Adventure Valley Durbuy.

Within this park, we have installed Superfly, a new zipline equipped with state-of-the-art systems. These include the Start System 3.0: a system that allows the safest flight ever on a zipline, fully automated from start to finish. It also features the Magnetic Trolley 3.0: a pulley capable of self-regulating the speed of the customer in flight.

Location





Winterberg, Germany

A thrilling ride in the heart of Germany



Location

Winterberg, Germany



Inauguration

2018



Length

895 m



Drop

114 m



Speed

80 km/h



Duration

50 s



Capacity

50 pp/h



Trail

Unique



Flight

Standard horizontal



Lines

2 parallel

Overview

ASTENKICK MEGAZIPLINE opened in late summer 2018, drawing even more visitors to the North Rhine-Westphalia region in Germany already renowned for adrenaline-packed sports, offering a completely new flying experience! This opportunity intrigued us immediately. The particular features of this tunic territory allowed us to develop even more technical innovations for our Zipline components. Launching station has been built above the village of Astenberg (750 m a.s.l.), where visitors have magnificent views of the valley and forests below. Two flight options are available: the Angel Flight and the Seated Standard Flight. Steel cables run for almost a kilometer and the drop is really impressive: a 120 meters fall. The 12.8% slope brings to a maximum speed of 80 km/h on a 50-second flight. The System is fully automated and tested by us after the installation. We also took care of staff training.

Location





Milan, Italy

New BMW X1



 Location Milan, Italy	 Inauguration 2015	 Length 145 m	 Drop 11,5 m	 Speed 36 km/h
 Duration 20 s	 Capacity 90 pp/h	 Trail 2 cons.	 Flight Standard	 Lines Single

Overview

From 7 to 13 December 2015 BMW launched the new BMW X1 on the market, and we couldn't help but be there. Thanks to the collaboration of App Eventi, we installed a 145 meters long and 11.5 meters drop zipline in Piazza Gae Aulenti in Milan. Many young people came to the inauguration to experience a 36 km/h descent over the new city park. Two towers were installed, connected to each other by two lines describing a looped route. Visitors launch from the first structure to reach the base of the second one in flight, climb back up to the launch height, and then reach the base of the first structure again. Thanks to the work of all the staff, the event was a great success. The BMW Zipline was a facility we will hardly forget.

Location



Adventures with Busan's Urban-Canyon Zipline Experience



 Location Busan, South Korea	 Inauguration 2023	 Length 287 m	 Drop 4.4 m	 Speed 37 km/h
 Duration 20 s	 Capacity 180 pp/h	 Trail 3 con.	 Flight Standard	 Lines 3 parallel

Overview

Our latest Zipline project, situated within the Skyline Luge theme park in Busan, stands as a spectacular and adventurous addition to the park. This unique attraction gracefully soars above the luge track, offering visitors an adrenaline-pumping aerial view of the track below.

The starting point of the zipline is designed for easy accessibility: visitors can conveniently reach it via a chairlift, adding an extra element of excitement and convenience to their ascent. At the top, they find themselves on an artificially constructed rock structure, meticulously crafted to simulate the adventurous experience of a canyon. This not only elevates the adventure factor but also offers a unique and immersive ambience.

From this elevated position, participants enjoy an unparalleled view of Busan. The cityscape unfolds beneath them, with its urban landscape seamlessly blending into the serene view of the distant sea. This fusion of natural and urban elements creates a striking visual experience for participants as they glide through the air.

The introduction of this zipline has allowed the park to significantly diversify its offerings, attracting a broader clientele from thrill-seekers to nature enthusiasts. The addition of this attraction not only enhances the park's appeal but also provides a unique experience that sets Skyline Luge Busan apart as a premier destination for fun and adventure.

Location



Discover Ahrntal by flying



				
Location	Inauguration	Length	Drop	Speed
Klausberg, Italy	2020	210 m	31,50 m	50 km/h
				
Duration	Capacity	Trail	Flight	Lines
22 s	50 ppl/h	Unique	Standard	2 parallel

Overview

The Klausberg zipline is the steepest in the South Tyrol Alps. This is partly due to the new 3.0 technology, which is capable of self-adjusting the descent speed, without the need for a manual adjustment of the trolleys by the operator at the start. In addition, the Start System 3.0 is equipped with an additional safety device that monitors the customer's departure along the rope. The entire system is controlled in real-time by a central computer equipped with signaling devices that are in constant communication with the zipline operators. The Zipline is part of an Alpine resort renowned for its winter and summer offerings, which are primarily aimed at families. The stations are designed as simple and elegant design elements, like landmarks integrated into the landscape. The structures are made entirely of painted steel, a material chosen for its low maintenance and because it's easily adaptable to different stylistic and formal requirements.

Location





Majella, Italy

The perfect balance between Adrenaline and Landscape



 Location Majella, Italy	 Inauguration 2019	 Length 932 m	 Drop 112 m	 Speed 80 km/h
 Duration 80 sec.	 Capacity 45 ppl/h	 Trail Unique	 Flight Standard	 Lines Single

Overview

The Majella National Park Zipline is part of an ambitious project to create top tourist attractions for the village of Pacentro, at the gateway to the park. It is estimated that tourist numbers will triple with the opening of a unique attraction for central Italy. The inspections were fundamental in identifying the most suitable site for the construction of the new Zipline. Work began in March 2018 and was completed in September 2018, in record time. First, we built the bases of the start and finish platforms. Then we stretched the cable, which is almost one kilometer long, with the help of a helicopter. The length and height difference of this Zipline makes it one of the most adrenaline-pumping zip lines ever built!

Location



MSC SEAVIEW Cruise Ship



				
Location	Inauguration	Length	Drop	Speed
Miami, USA	2018	150 m	9,94 m	45 km/h
				
Duration	Capacity	Trail	Flight	Lines
15 s	60 pp/h	Unique	Standard	2 parallel

Overview

MSC Seaview broke MSC Seaside's record for the largest cruise ship ever built in Italy. For this incredible work of engineering and naval architecture by Fincantieri, we designed the longest Ziplines ever installed on a ship! Two parallel lines, each 150 meters long.

From the upper deck, customers can admire the ship from above, as well as lose their gaze to the horizon before embarking on their half-length journey from stern to bow. The flight lasts 15 seconds during which riders can reach a speed of 45 km/h. The Zipline is a favourite attraction on board, increasing the leisure opportunities the cruise offers its 5,000 passengers.





On 9 June 2018, MSC Seaview was launched in a spectacular inaugural ceremony at the Port of Genoa. VIPs and Italian celebrities attended the event. The inaugural cruise continued through the Western Mediterranean Sea touching the ports of Genoa, Naples, Messina, Valletta and Barcelona, and Marseille. Today the ship continues its itinerant voyage around the world reaching the coasts of South America.

Location



A challenge between sky and sea



				
Location	Inauguration	Length	Drop	Speed
Rio de Janeiro, Brasil	2017	150 m	0,94 m	45 km/h
				
Duration	Capacity	Trail	Flight	Lines
15 s	60 pp/h	Unique	Standard	2 parallel

Overview

MSC Seaside is a record-breaking construction, a unique and revolutionary work of naval engineering. It is the largest cruise ship ever built in Italy up to its inauguration in 2017. It is 323 meters long by 160,000 GT heavy. It is equipped with the latest existing technologies concerning onboard entertainment. In honour of this Italian jewel, we designed the longest and the steepest Zipline that has ever sailed the world's seas.

The Zipline is a fully automated system, which reduces the possibility of any human error. The system is equipped with a purpose-built component recovery system that uses the ropes themselves as a means of transport to optimize the attraction's capacity. Downtime and bridge space is practically eliminated. Nothing was left to chance. The most important challenge regarding this implementation is the organization of constant daily maintenance due to the high and continuous tourist presence throughout the year. As the Zipline is built on water, it is subject to the natural wave motion, which was calculated and virtually tested at our onshore office during the design phase. Besides, all components have been designed to resist salt corrosion, a characteristic effect of the marine environment.

Thanks to our technology, passengers can fly over the sea while cruising safely.

Location





Nesselwang, Germany

Germany's longest Zipline



Location

Nesselwang, Germany



Inauguration

2013



Length

1210 m



Drop

278 m



Speed

120 km/h



Duration

90 s



Capacity

40 ppl/h



Trail

2 cons.



Flight

Standard



Lines

Single

Overview

In the Allgäu region of Germany, Adrenaline Constructions built the first Zipline certified by the IFT (Institute for Technological Development in Stuttgart) as compliant with EU regulations for cable-based people-transportation systems. This year-round facility offers stunning views of the surrounding Alpine mountains. The departure is at approximately 1500 meters above sea level, very close to the summit of Alpspitz. The spectacular Alpspitzbahn is the longest Zipline in Germany, 1200 meters long. It is made of two consecutive sections of 390 and 820 meters, covering a drop of 62 and 217 meters. Riders can achieve the extraordinary speed of 120 km/h during the flight. Put on a helmet, special goggles, safety harness, and ride down to the bottom valley in a thrilling ride! The trip is completely safe. It is regulated by the powerful Self-Adjusting Magnetic Brake made by Adrenaline Constructions. It handles people weighing up to 130 kilos and regulates dynamically riders' descent.

Location





Rawabi, Palestine

The longest Zipline in Middle East



 Location Rawabi, Palestine	 Inauguration 2016	 Length 685 m	 Drop 71 m	 Speed 70 km/h
 Duration 60 s	 Capacity 50 ppl/h	 Trail 2 cons.	 Flight Standard	 Lines 2 parallel

Overview

Two consecutive ziplines 400 and 265 meters long allow tourists to admire the Middle Eastern panorama. The considerable drops of 40 and 31 meters guarantee thrills. Guests fly down a steep stretch, ending with a soft landing. To customize the attraction as much as possible, we developed the design together with the lift operator. This is why we chose to build two parallel ziplines of the same length. Visitors in pairs or groups can experience the thrill of flying along the route side by side. This attraction is designed and built to withstand the high temperatures found in the deserts of the Middle East. Cables, magnetic brakes, and pulleys are tested for a high number of uses, requiring very little maintenance even in extreme heat and sand. The Zipline is perfectly integrated into the surrounding environment and flies over a natural amphitheater. Other attractions such as mini quads, mountain bikes, climbing walls, and off-road vehicles complete the offerings. The desert location becomes a truly extensive adventure park, perfect for those who enjoy extreme thrills.











Location



San Vigilio di Marebbe, Italy

The longest Zipline in Europe



 Location in Vigilio di Marebbe, It	 Inauguration 2008	 Length 3000 m	 Drop 600 m	 Speed 80 km/h
 Duration 7 min.	 Capacity 20 ppl/h	 Trail 7 cons.	 Flight Standart	 Lines Single

Overview

This is the project that started our adventure in the field of Zipline design and construction. It was a very ambitious project since when it was completed in 2008 it became the longest zipline in Europe. But you know, we at Adrenaline Constructions like a challenge.

This installation presented us with obstacles that seemed insurmountable, but thanks to our tenacity we managed to overcome them all. We came out stronger, and with a wealth of experience, technical expertise and mechanical components that have revolutionised the Zipline industry worldwide.

The facility has a total drop of 400 metres – the steepest zipline in the world; there are 7 lines with a total length of 3 kilometres. At the highest point, customers have 100 metres of emptiness under their feet, the maximum speed is 80 kilometres per hour and the longest span is around 800 metres. A breathtaking flight in perfect harmony with the land: our priority is to create installations in which every element is in perfect harmony with the natural environment.

Location



Christmas event



				
Location	Inauguration	Length	Drop	Speed
Milan, Italy	2019	143 m	9,30 m	35 km/h
				
Duration	Capacity	Trail	Flight	Lines
30 s	70 pp/h	2 cors.	Standard	Single

Overview

In December 2020, we installed a double zipline with a 14-metre drop and 140-metre length in Piazza Duca d'Aosta in Milan during the TIM - SenStation Christmas village in front of Milan's Central Station. The zipline was realized thanks to the cooperation with TIM, Grand Stazioni Retail and Balich Worldwide Shows and allowed visitors to fly on two lines at the same time and admire the thousands of people who cross the square in front of Milan Central Station every day. The TIM - SenStation Zipline was inaugurated on 8 December and was open until 6 January 2021.

Location















Ajara Chirukhi, Georgia

The longest dual line Zipline in Europe



 Location Ajara Chirukhi, Georgia	 Inauguration 2024	 Length 1650 m	 Drop 400	 Speed 118 km/h
 Duration 00 sec.	 Capacity - 80	 Trail 1	 Flight lying and sitting	 Lines 2

Overview

Located in the breathtaking Chirukhi Mountains of Ajara, Georgia, this zipline is one of the most extraordinary attractions in Europe. Stretching 1,650 meters in length with a 400-meter vertical drop, it ranks among the longest dual-line ziplines on the continent. Guests can reach exhilarating speeds of up to 120 km/h, offering an unmatched adrenaline rush.

Inspired by the majestic eagles that soar in the region, the zipline's structure has been designed to resemble an eagle's nest, symbolizing freedom and power. Every detail has been carefully crafted to ensure not only safety but also a total thrill, emphasizing speed and the breathtaking panoramic views.

Visitors can choose between two flight modes: **prone flight**, simulating the sensation of soaring like an eagle, or **seated flight**, for a more traditional ziplining experience. Whichever option you choose, the result is a spectacular and unforgettable adventure set in the pristine natural beauty of the Ajara mountains.

Location

