

ROLLGLIDER



a brand of **safety**
ENGINEERING

The Concept



Soar, Explore and Enjoy the Thrill

Inspired by our passion for flying, we set out to make this dream accessible to everyone in a safe and exhilarating way. This vision came to life in 2014 with the first Rollglider flight.

Since then, we've developed a diverse array of rides, each crafted to deliver a distinct flying experience.

From adrenaline-pumping thrills to gentle family rides, there's something for everyone to enjoy with Rollglider.

Elevate the adventure and create unforgettable memories for your visitors!

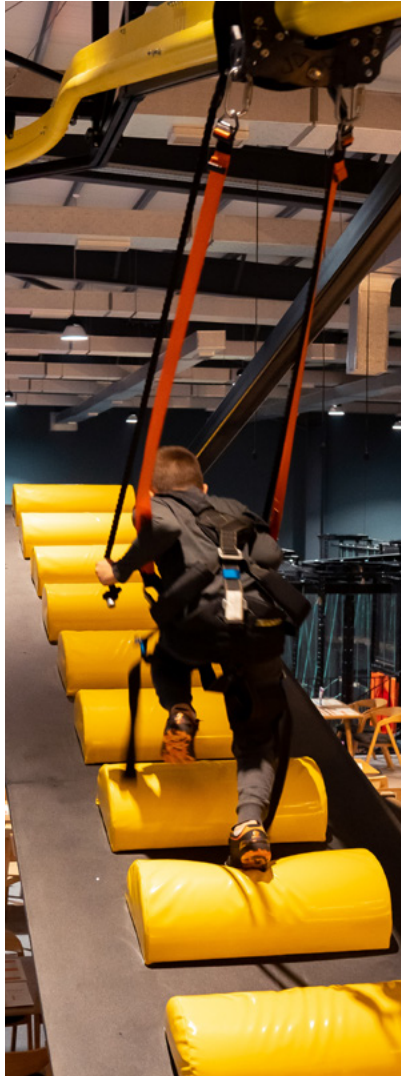
Rollglider Rides

VOLT



Speed & Thrill

JUMP & RUN



Fun & Challenge

HORIZON



Transportation & Sightseeing



40 km/h max speed



3 ride variations



93 rides

Rollglider VOLT

Rollglider VOLT is the fastest and most versatile zip-coaster on the market, suitable for both indoor and outdoor use. The participant-controlled speed of up to 40 km/h allows for a gentle or high-speed adrenaline flight, based on the rider's choice. It surpasses its gravity predecessors with an electric trolley that eliminates the need for inclines and optimizes staff requirements with a single platform.



Ride Details

- Single platform operation
- Customizable speeds of up to 40 km/h
- Up to 180 rides per hour
- 2 operational modes – Thrill speed & Turtle speed
- Partial speed control by participant
- Integrated Traffic control OR Anti-collision system
- Battery-powered trolley
- Interchangeable batteries
- Up to 8h of operation on single charge
- In-built braking system
- Climbs up to 15% inclination
- Single, Double or Triple racing lines options
- 4x4 upgrade option for outdoor locations
- TUV, ASTM & CSEI Certified
- Operators: 1 to 4 based on capacity



Up to 40 km/h



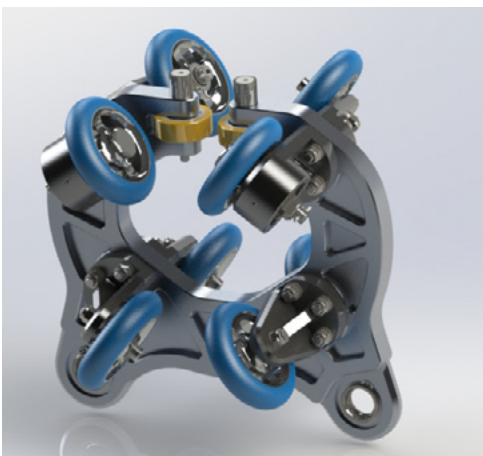
Up to 180 ppl/h



Battery-powered

Rollglider Jump & Run

The Jump&Run is born from the desire to combine the best of two worlds – Active Entertainment and Thrill Rides. The goal of the Jump&Run is to challenge. The concept, inspired by video games, is to beat your opponent to the finish platform and of course to push yourself – to run faster, jump higher and conquer your fears. To achieve this goal, the Jump&Run combines a racing Rollglider track with obstacles inspired by adventure courses. The ultimate goal is for every participant to get a taste of what it's like to be a real-life video game hero.



Ride Details

- Lightweight trolley with forward movement only
- Speed up to 20 km/h
- Capacity of up to 240 ppl/h
- Traffic control system included
- Obstacles included
- Multiple intermediate platforms
- Timer system
- Gamification options



Up to 20 km/h



Up to 240 ppl/h



Gamification

Rollglider Horizon

The Horizon is a modern mode of transport, blending all trademark experiences the product line has to offer with the functionality of travelling from one point to another. Featuring a design well-suited to leisure locations such as zoos, promenades and piers, this Rollglider indulges the amplified interest towards inventive transportations.



Ride Details

- 4x4 battery-driven trolley
- Speeds up to 12km/h
- In-built Anti-collision system
- In-built dual braking module
- Powered by high-capacity, lithium-titanate battery
- Wireless charging on the platform
- Ergonomically designed twin-seat for a comfortable ride
- Individual lap bar restrains
- Flexible design: easy access or high above the attractions
- Climbs up to 15%
- Designed for smooth and comfortable ride experience



Up to 12 km/h



Up to 360 ppl/h



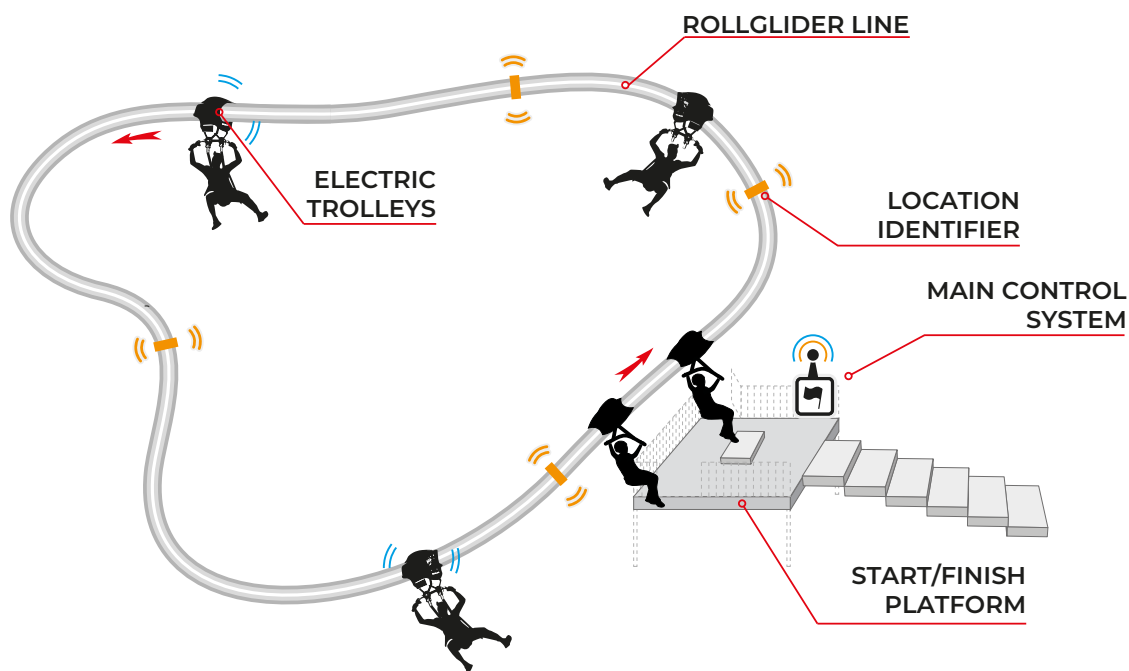
Battery-powered

Safety Talk

Anti-Collision System

The Rollglider HORIZON track is divided into multiple virtual sections, monitored in real-time by the advanced Anti-Collision Control System. This intelligent system constantly tracks each trolley, ensuring optimal safety by automatically adjusting speeds. If a trolley comes too close to another, the system instantly slows it down, and if necessary, brings it to a smooth stop while maintaining a safe distance. Once the path is clear, the ride picks up right where it left off – all without you lifting a finger!

Operational Diagram



Key Characteristics

ANTI-COLLISION SYSTEM	VS	TRAFFIC CONTROL SYSTEM
multiple	riders	single
up to 180 people	capacity	up to 60 people
no limit	ride time	< 60 sec
constant	monitoring	start/finish only
300+ meters	ride length	less than 250

Reference Projects



VITALAND

Kosovo, Pristina

Facility	Family Entertainment Center
Model	Rollglider JUMP & RUN
Positioned	Indoors
Completed	2023

[SEE MORE PHOTOS](#)



EL EDEN SHOPPING MALL

Colombia, Bogota

Facility	Shopping center
Model	Rollglider VOLT
Positioned	Indoors
Completed	2022
Additional Products	Ropes Course Climbmat Safety Flooring

[SEE MORE PHOTOS](#)



ADVENTURE HQ KHATIB

Singapore

Facility	Family Entertainment Center
Model	Extreme Rollglider
Positioned	Indoors
Completed	2020
Additional Products	Ropes Course Cloud Climb Caves Fun Walls Adventure Trail

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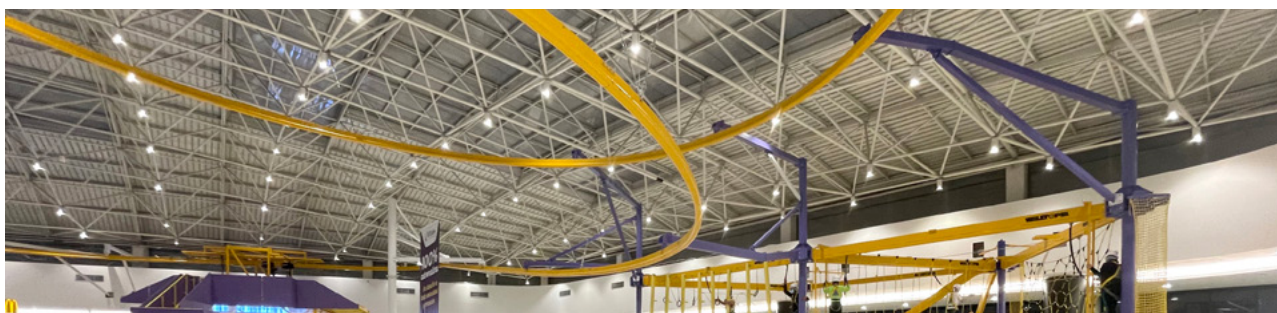
Attachment options

To ensure we meet every client's expectations and seamlessly fit the Rollglider into their venue, our engineers have designed the structure to be adjustable to its surroundings. Here are the attachment options for the Rollglider:

Existing Buildings



Other Attractions



Self-standing Columns



Tree Suspension



Reference Projects



ICON OF THE SEAS

Royal Caribbean International, Icon of the Seas

Facility	Cruise Ship
Model	Rollglider JUMP & RUN
Positioned	Outdoor
Completed	2024

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ADRENARK ADVENTURE

UAE, Abu Dhabi

Facility	Adventure Park, FEC
Model	Rollglider VOLT
Completed	2023
Additional Products	Ropes Course Caves Slides Fun Walls

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BOOST SAUDI

Saudi Arabia, Jeddah

Facility	Family Entertainment Center
Model	Rollglider VOLT
Positioned	Indoors
Completed	2022

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Reference Projects



DREAMS NATURA RESORT & SPA Mexico, Cancun

Facility	Hotel & Resorts
Model	Extreme Rollglider
Positioned	Indoors
Completed	2020

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ROWDY BEAR MOUNTAIN USA, Gatlinburg

Facility	Adventure Park
Model	Extreme Rollglider Dual Line
Positioned	Outdoor
Completed	2020

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FAUNIA Spain, Madrid

Facility	Zoo
Model	Extreme Rollglider
Positioned	Outdoors
Completed	2020

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Contact us



At Safety Engineering, our mission is to enable people to confidently take on exciting entertainment challenges while ensuring their safety and security. The Rollglider department employs a team of over 15 dedicated engineers and architects who are committed to providing the highest quality products, even in the most unusual scenarios. With more than 90 unique Rollgliders built around the world, we are confident we can tackle any challenge.

Configure
your Rollglider
with our digital tool



**LET'S TALK ABOUT
YOUR PROJECT!**

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