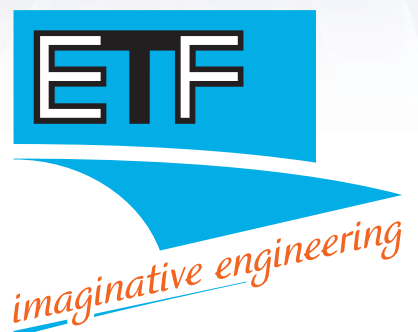
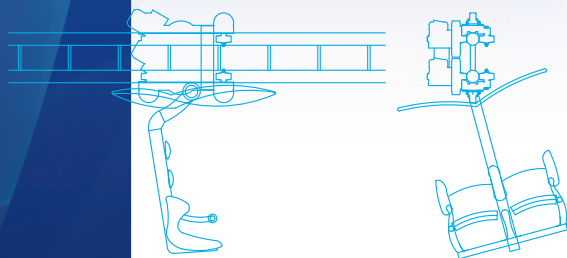


## ETF Flying Birds







The ETF Flying Birds ride concept is a **simulation of birds in flight including all meandering movements.**

The ETF Flying Birds is a suspended ride offering excellent family entertainment.

It is the perfect example of imaginative engineering!

## Fly like a bird!

While meandering **the birds tilt gently**, exposing the passengers to **feelings of excitement as they soar through the sky**. Every flying bird comes with its **own propulsion system**. This allows the birds to fly in a limited vertical space as they can **climb and dive** within the given clearance without restrictions or expensive elevating devices.

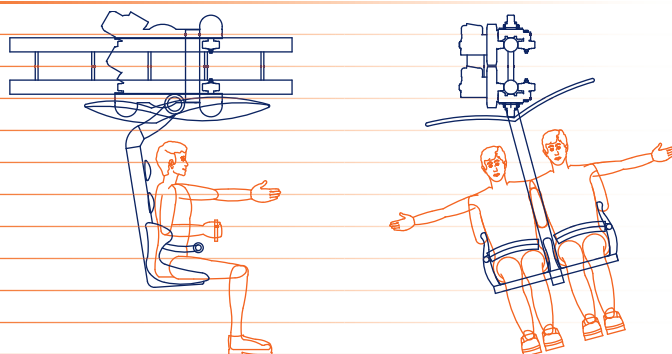
The track consists of two tubes placed in a vertical plane. The top tube carrying the birds, while the bottom tube accurately controls the position of the bird while meandering. This dual-tube track allows for a **maximum span of 10 metres between columns**.

The vehicle consists of two frame parts, hinged together on a horizontal axis. The top section consists of the wheels and drive unit; the bottom section carries the two passengers. An arm is attached to the hinge. At the end of the arm there is a single seating row for a **maximum of 2 people** (adults and/or children) with a **minimum height of 1.0 metre**.

**Extra safety** is provided by the **specially designed seats**, which automatically "slide" the passengers to the back of the seat for their comfort and safety. The applied lapbar prevents the passenger from moving up and out of the seat.

## ETF Flying Birds

Typical track length	200 - 350 m	
Track type	dual-track system	
Application	indoor and outdoor	
Typical no. of vehicles	8 - 12	
Vehicle capacity	2 adults/children or 1 adult + 1 child	
Minimum height for ride	1.0 m	
Drive system	AC motor	
Ride capacity per hour	480 - 720 people	
Maximum speed	on track 5 m/s	in station 0.5 m/s
Minimum curve	horizontal 5 m	vertical 20 m
Maximum incline	8 degrees	



**ETF Ride Systems**  
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