

ROPE RUNNER



Put on the pilot vest and hang out...

*The view of the valley gives an impression of what is ahead: **a delightful flight***

*You glide like an eagle, passing closely by trees or just gliding above the landscape!
Wind streams around your ears and your heart beats faster.*

*The **ROPE RUNNER** is an unforgettable experience!
(Picture taken in Stoderzinken on the 1. of March 2013)*



advantages



We calculate your ROPERUNNER-Ride in advance!
...We do not work on trial & error after track is finished



TÜV approved; designed and manufactured on **international safety standards** for ropeways and amusement rides



Adventure for the whole family
...satisfies all from 8 to 88 years



Appr. **20- 50 Persons/h** capacity per line
(depending on length, altitude, sag, braking system)



Day and night
sunshine or rain
till -15°C (\cong 5F)



High quality with low
maintenance costs and
easy to operate



Ride characteristics
page 10



**Timeline to
your RR-Ride**
page 18



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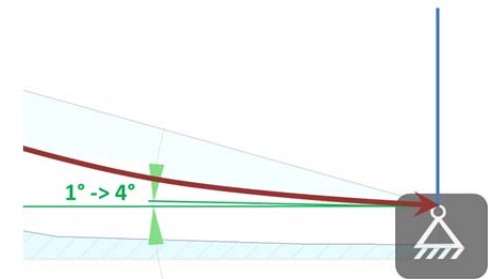
Zip line planning

1 Parameters for planning:

Zip line length	Altitude in % and (meters)		Capacity (max. p/h)
	 20 km/h Fun Run brake page 9	 40 km/h Smart Run brake page 9	
400m 1300ft	8 - 15 % (32-60m)	8 - 19 % (32-76m)	40
700m 2300ft	11 - 21 % (77-147m)	11 - 24 % (77-168m)	35
1100m 3600ft	12 - 25 % (132-275m)	12 - 28 % (132-308m)	30
1500m 4900ft	16 - 26 % (240-390m)	16 - 29 % (240-435m)	25
2000m 6550ft	22 - 28 % (440-560m)	22 - 31 % (440-620m)	22
2500m 8200ft	26 - 30 % (650-750m)	26 - 36 % (650-900m)	20

2 Every rope has its sag!

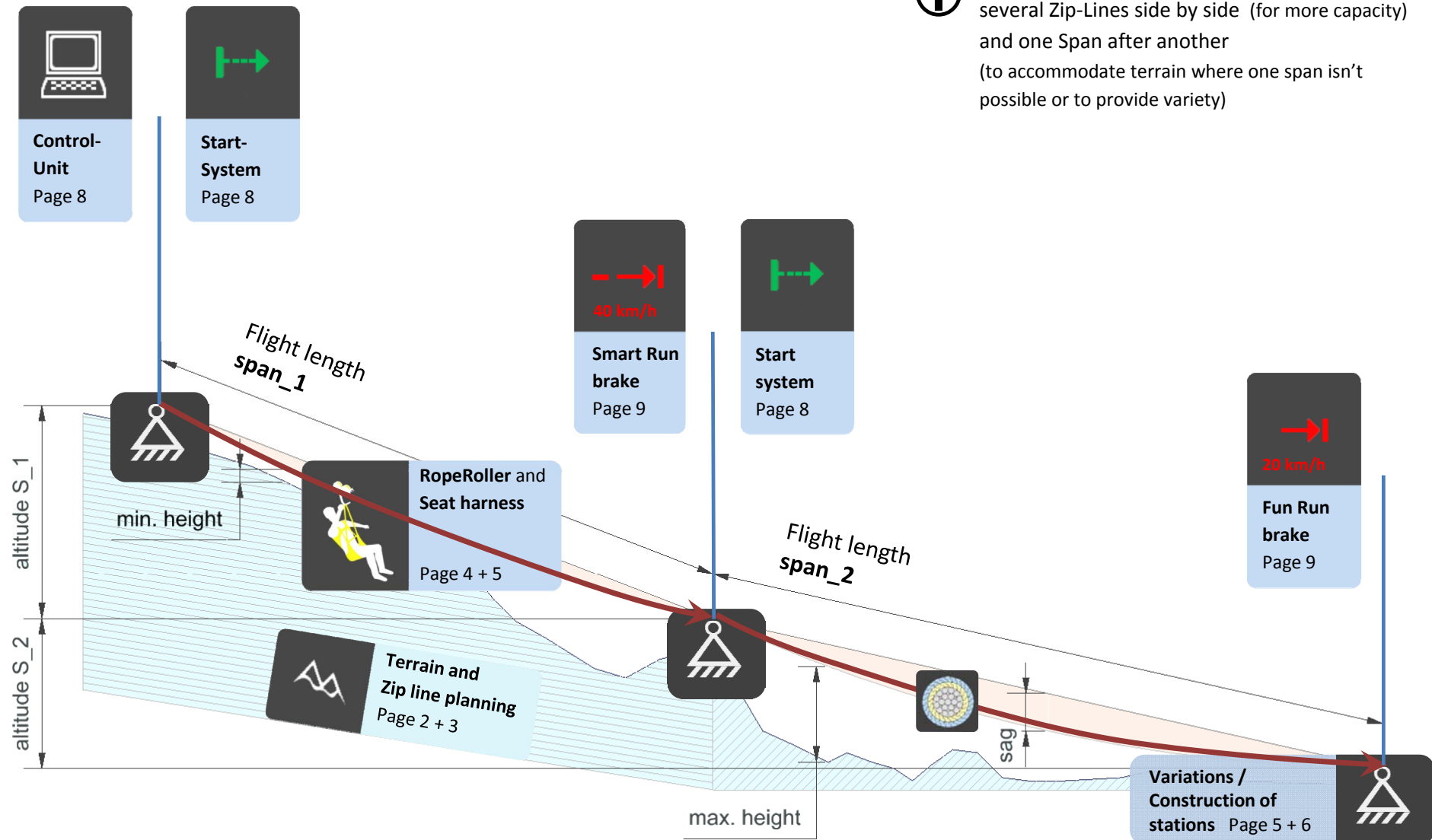
If you draw an arc between the stations to simulate the rope-line → the arc should start with 1° to 4° from the bottom. ...and check ability of terrain!



3 Let's talk about details of your RopeRunner Ride!

Ride overview

i One Ride can have several Zip-Lines side by side (for more capacity) and one Span after another (to accommodate terrain where one span isn't possible or to provide variety)





Rope-Roller



up to 150 km/h
(90 mph)



stainless steel + aluminium
Highend materials –
Robust and build for lifetime



longlife rubber - Ø 130mm
(for smoothness + silence)



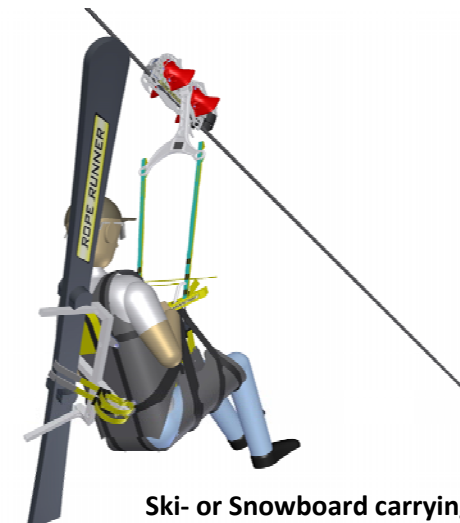
Nearly silent < 50dB
(exept the shouts of participants)



Maintenance- and wear-free
Eddy current brake

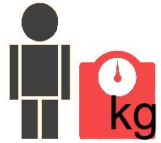


Net weight under 3,5kg
(7,7 lbs)

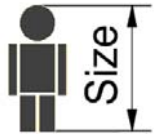


Ski- or Snowboard carrying

Seat harness



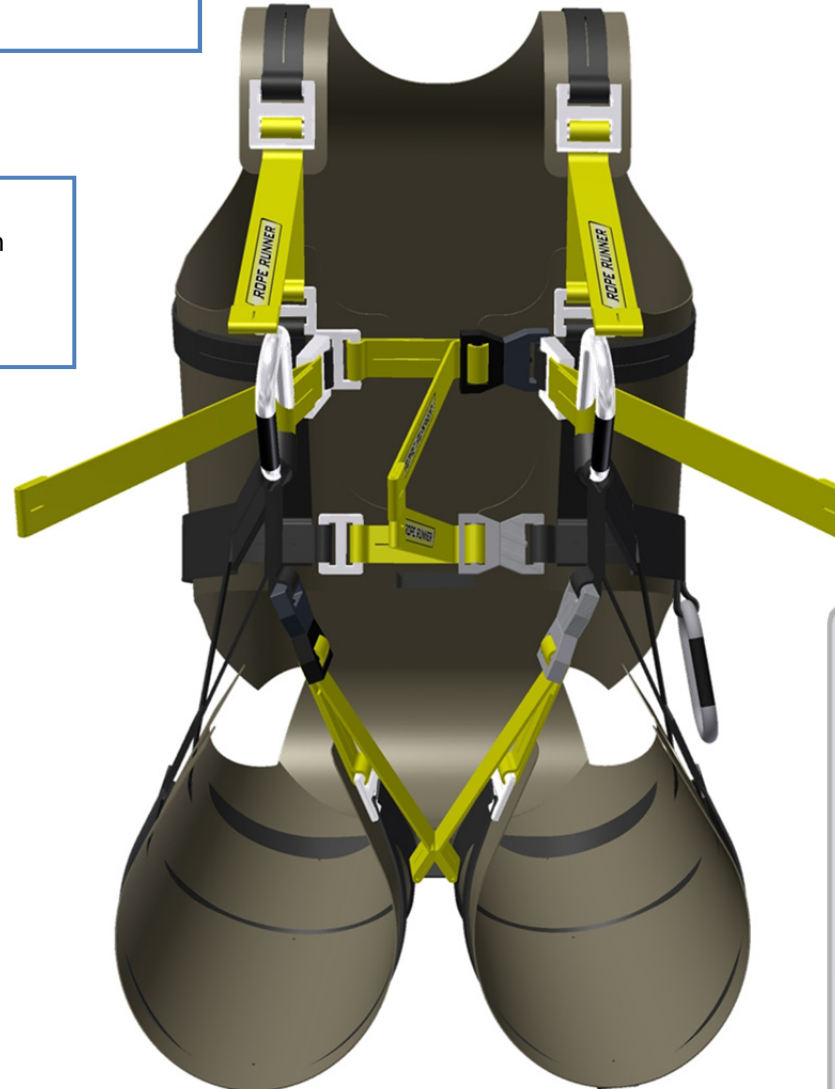
3- 4 sizes from 30 – 125kg (66-265 lbs)
Passenger weight; provide similar speed for all



3 sizes from 1.2 to 2.1m
body size
(3,9 – 6,9ft = 47 – 83inch)



small pocket to store your personal goods or a **big bag** to transport the Seat-harness and Rope-Roller



Distinctive comfort while hanging in the seat harness!



4x clip buckles as used in aircraft vests – AustriAlpin©

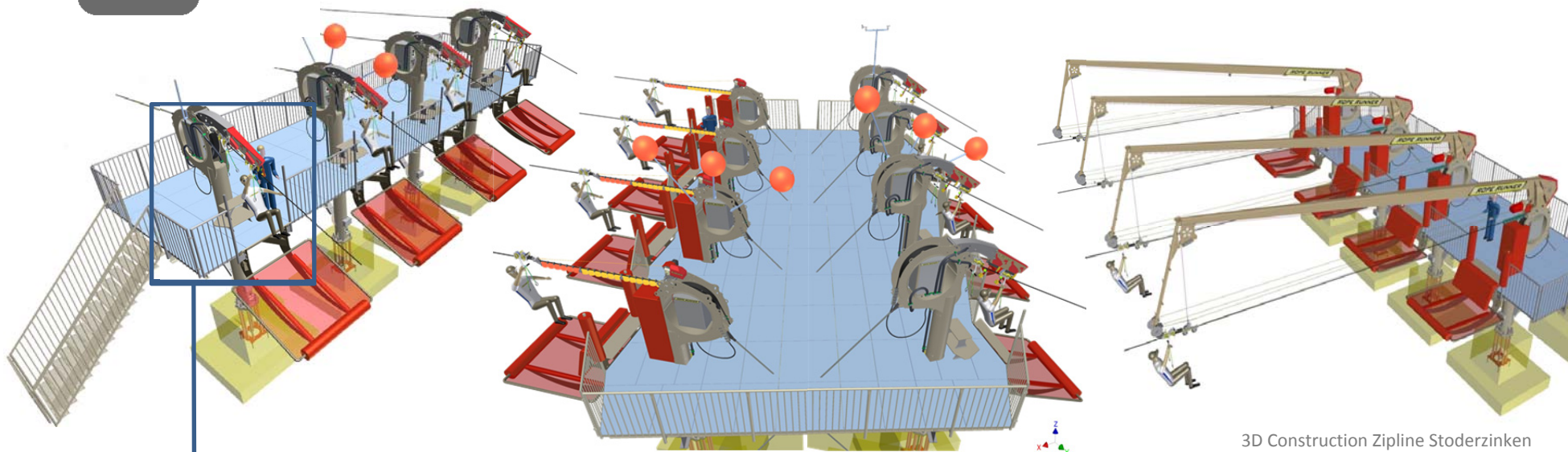


Yellow straps
- easy to tighten
- simply replaceable

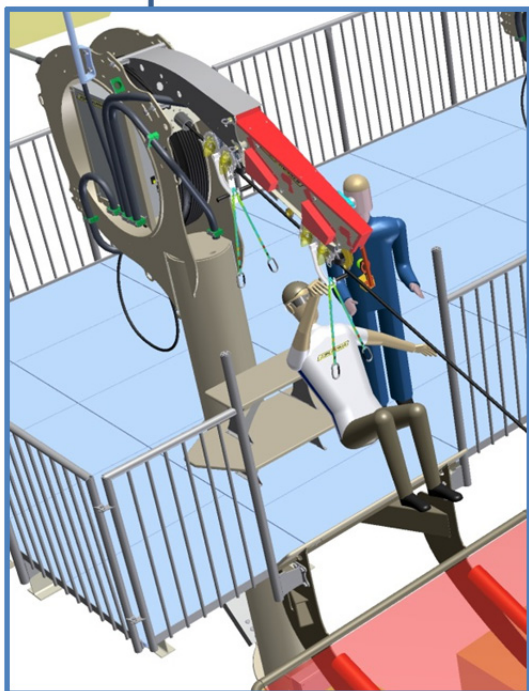




Variations



3D Construction Zipline Stoderzinken



Double, triple or quadruple your capacity with fractional increases in cost.

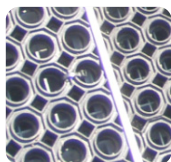
People love to “race” their friends!

For **more capacity** and an adventure side by side you can make more lines side by side.

i.e.: Zip Line 1 - ...4



Protective Bumpers and build in fall protection
UV + Water resistant!



rubber mats lie on galvanized steel decks!

RopeRunner is available as a one span zip line attraction, or a multi span tour. Each span can have unique Ride characteristics.

i.e.: Top – Middle – Bottom station



LAN-Connection between top- and bottom-station fiber optic cable can be embedded in the cable / rope of zip line



Helicopter rigging available for difficult terrain access

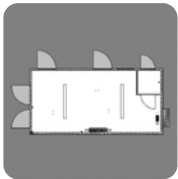
Top- Middle- and bottom station



Minimal space required for stations , customized to terrain



Steel Construction
Zinc-Coated (hot dip)
Up to 30m towers;
Integration in buildings possible

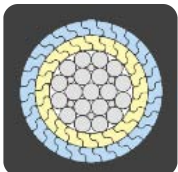


Operator cabin with dressing room, touch panel and storage for seat harness is optional!

Typ and diameter of the rope depends on track length and the rope sag!



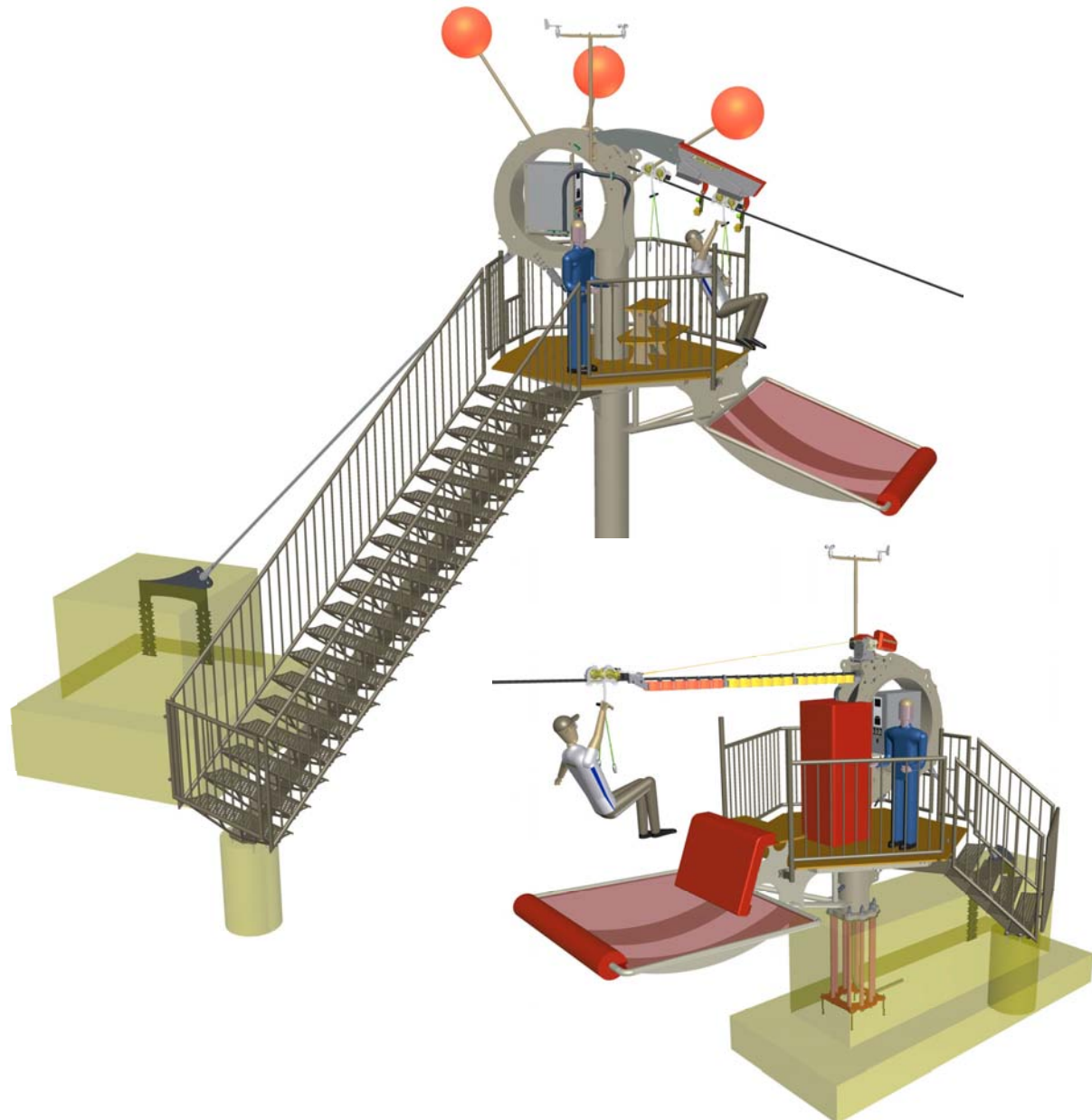
Compacted rope Ø15- 20
steel zinc-coated; non grease surface



Locked coil rope Ø20- 26
steel zinc-coated;



Bollard rope mounting leads to a rope-use for decades.





Control unit



Track monitoring with an approved safety – PLC

The control unit mainly helps the operator to have quickest, smartest and safest control of the complete ride. The unit only allows a green light, and release of trolley, if the last rider has dismounted and the brake has been reset.



Wind (speed & direction) measuring on every station



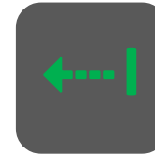
temperature measurement and frost-proof electric cabin



Every data as the drive time, the number of Rides is logged. Every internal signal can be displayed via internet support.



All parameters (as Wind, Temp, ...) are displayed on a Monitor on each station!



Start-System

AUTO START – safe + fast as possible

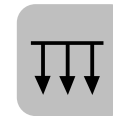
control of take-off is linked to route monitoring

The person can start after the previous passenger has left the track-line and brake (Smart run / Fun run) sets ready again.

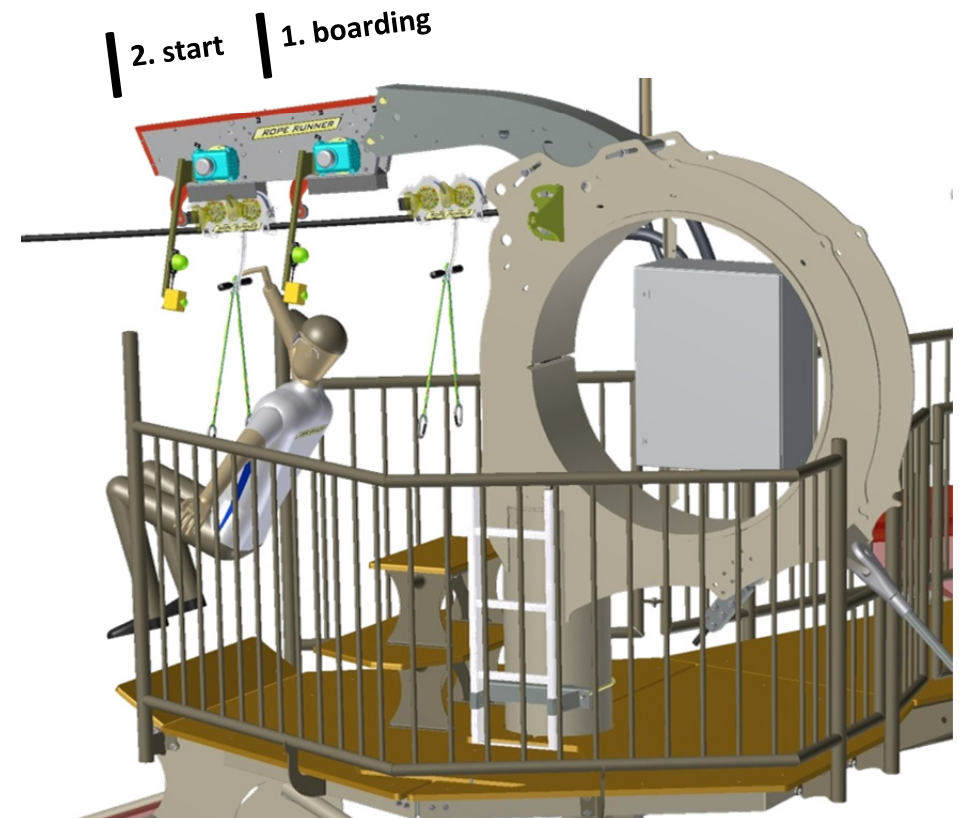


QUICK START Modus

Starts by pushing a button as zip line is open



All riders side by side start as all lines are cleared!



arrival braking-system **Fun-Run**
 max. **20 to 0 km/h** in 2,2m (max. 1,3g)



arrival braking-system **Smart-Run**
 max. **40 to 0 km/h** in 11m (max. 1,3g)



AUTO Park-in ensures Pinpoint landing

-Everyone moved to the exit = guarantee Ride **capacity**



No unpleasant bumps
 (max. 1,3g force)



After passinger left
 – by pushing a button:

System resets brake and sends
 “line is free” to the start system



Specially developed
Polyurethane shock
 absorbing system





Characteristics

Characteristics exclusive to ROPERUNNER

Ride

Lengths of span (With Low cable-sag – distances up to 2,5km)

Track mainly depends on your terrain!

Number and type of braking system

Zip lines side by side (for higher capacity and start en masse)

Single span or Span one after another

(dif. altitudes leads to dif. speed leads to a dif. braking system)

!Smart Run brake has more capacity as a Fun Run brake!

Terrain

Characteristic of the ground and reachability of the stations

As Method of mounting (by Truck or by helicopter)

As Mode of foundation (weight basic or Anchors in rocks)

Height and Construction of steel platforms

Including access & exit to the platform (Rope Bridge, Stairs, ...)

Rope-Roller and Seat harness (# Number of ...)

Uphill transport with self propelled Transport-roller

How will all Roperoller and Seat harnesses will be brought to top?

Supplies (seen on Page 17)



Projects

SERFAUS – AUSTRIA “Serfauser Sauser” since 2010

1 Zip Line – 4 Span

1. Span	500m length	70m altitude	fun-run
2. Span	780m length	160m altitude	fun-run
3. Span	300m length	34m altitude	fun-run
4. Span	530m length	120m altitude	smart-run

HOCH YBRIG – SCHWEIZ “Sternen Sauser” since 2011

1 Zip Line – 2 Span

1. Span	1750m length	320m altitude	smart-run	up to 100km/h
2. Span	500m length	80m altitude	fun-run	

STODERZINKEN – AUSTRIA “ZIPLINE” since 2013

4 Zip Lines – 2 Span

1. Span	1500m length	300m altitude	fun-run	max. 95km/h
2. Span	1000m length	300m altitude	smart-run	from 0 to 70km/h in 5s

INDOOR SKI AREA – DUBAI since 2014

2 Zip Lines – 1 Span

Span	130m length	24m altitude	smart-run	max. 45km/h
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ORELLE / VAL THORENS – FRANKREICH since 2014

1 Zip Line (plus line for aircraft warning bulb + Transport-Roller)

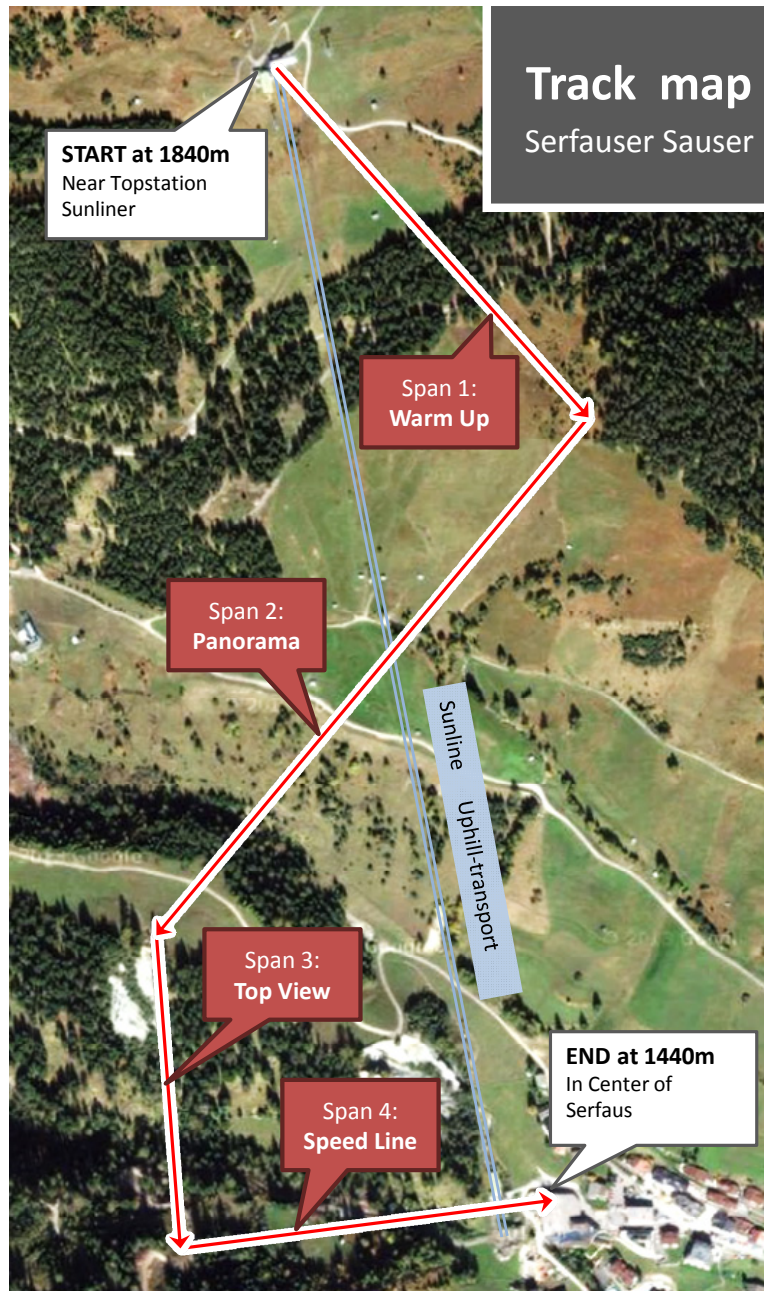
Span	1300m length	230m altitude	smart-run	max. 100km/h
Starting above 3230m sealevel				

OBERAUDORF (Hocheck-Bahnen) – GERMANY since 2014

1 Zip Line (plus Seil für Transport-Roller)

Span	650m length	142m altitude	smart-run	max. 80km/h
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Serfauser Sauser - Tirol



SternenSauter Hoch-Ybrig / Schweiz

www.hoch-ybrig.ch



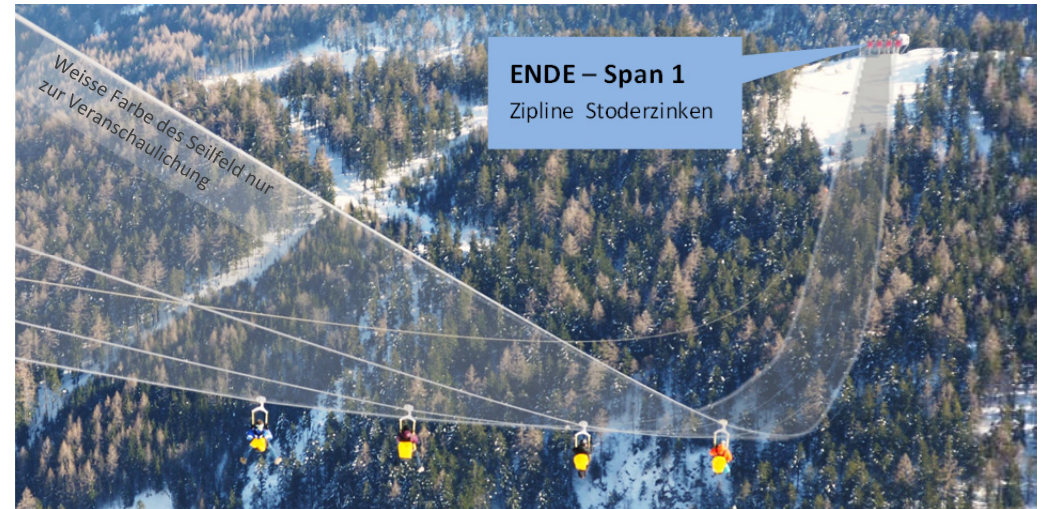
SternenSauser Hoch-Ybrig / Schweiz



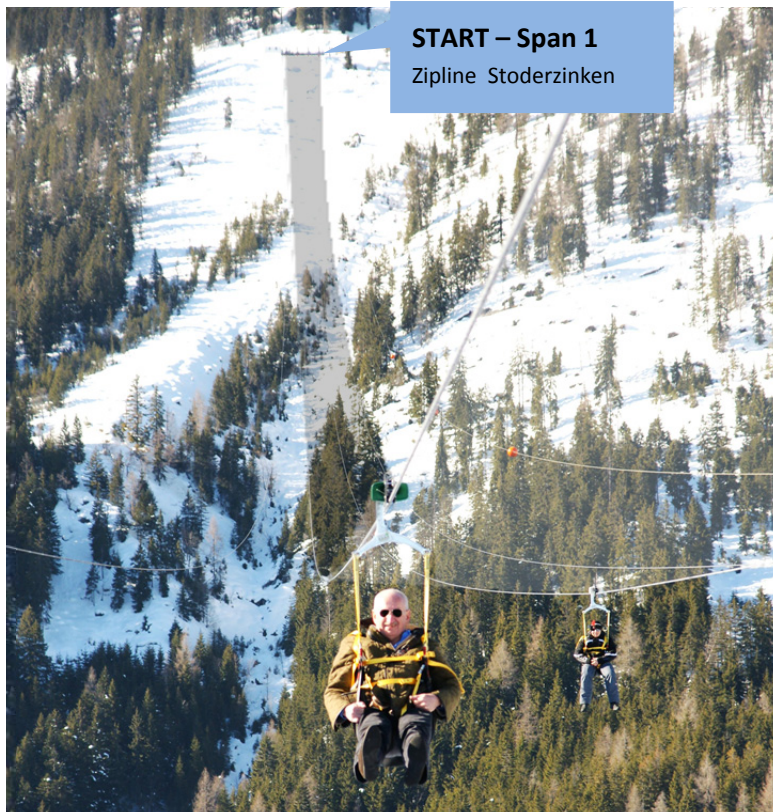
Zipline Stoderzinken - Steiermark



START – Span 1
1500m length
300m altitude



ENDE – Span 1
Zipline Stoderzinken



START – Span 1
Zipline Stoderzinken



END – Span 1
Middle-Station

Zipline Stoderzinken - Steiermark

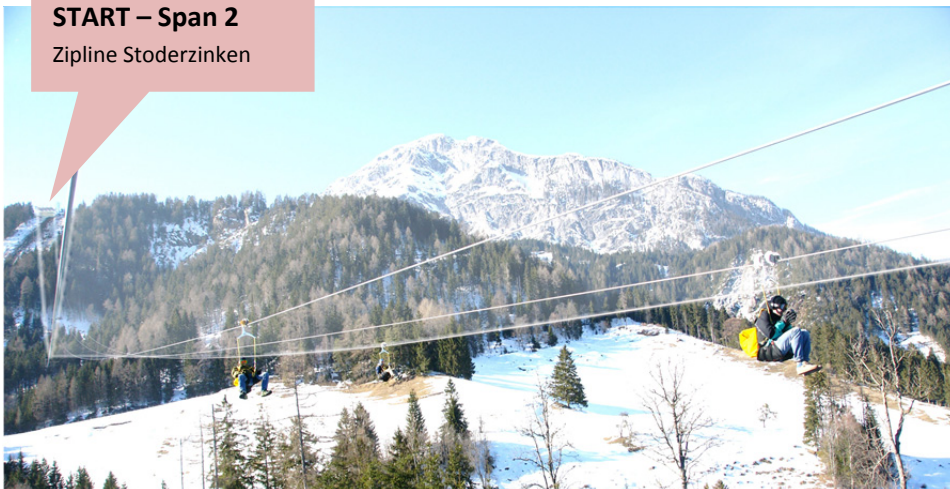
START – Span 2
1000m length
300m altitude



END – Span 2
Zipline Stoderzinken



START – Span 2
Zipline Stoderzinken



END – Span 2
Bottom-Station

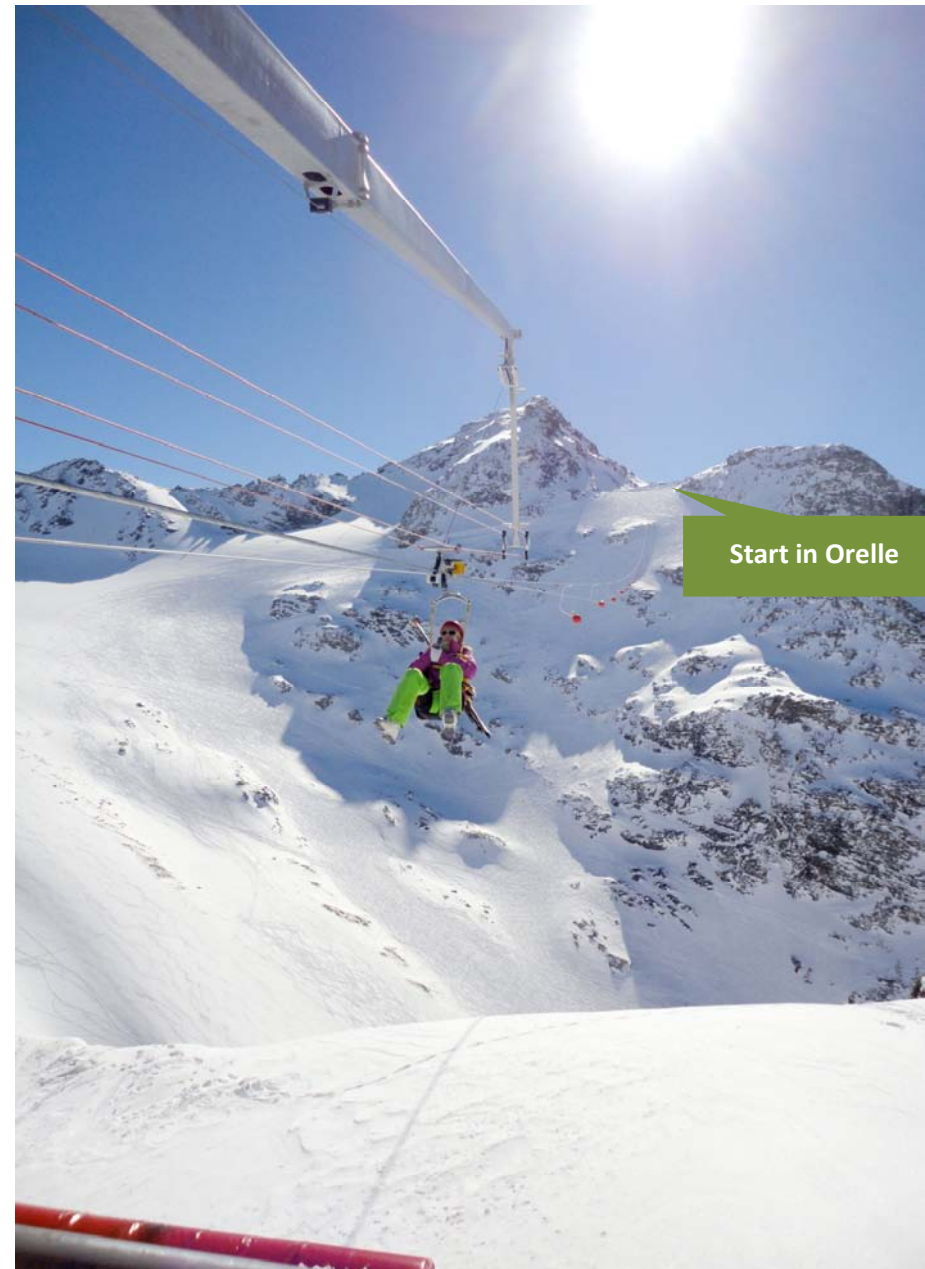
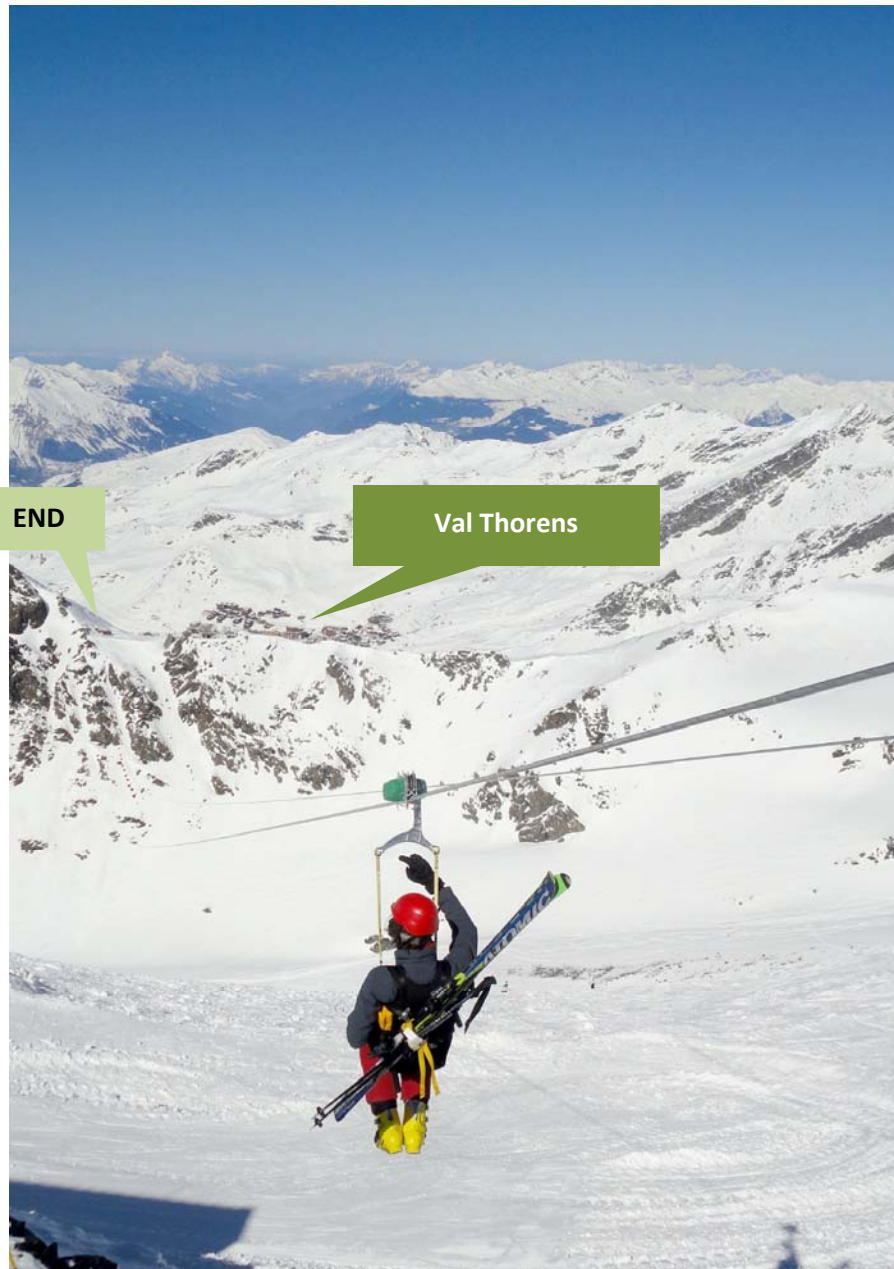


Tyrolienne Orelle > Val Thorens - France

www.la-tyrolienne.com



Tyrolienne Orelle > Val Thorens - France





timeline

- 1 **Find a track** (Info see Page 2)
And **Characterize** your RopeRunner-Ride
(Settings on Page 10)
- 2 Start the project and fix the **Quotation** to your Ride!
as obtaining for the **permission of your authority**
- 3 Resolve the opening date and **Finalize the contract**
foundation work – mounting
– **initialize, approve and opening!**










All from one source

– from Arrangement over the **first test flights** to the approval by a Technical Control Board (TüV) as hand-over the keys and support.



supplies

-  Give the ride your own name and a special topic.
We can design and mount your advertisement!
-  Picture- and **Video-souvenirs** in your web presence and
i.e. on **social network**
 
-  Decide which building for sales and the operator
and a electric control cabinet is needed.
-  Get a membrane roof to have a weather proof
for the waiting guests and to present the ride at night
-  For **night operation** we costume your lighting system.





Uphill-transport

Transport-Roller...

Speed up to 10 m/s
(up to 7 kW power)

615 Wh Battery
(700m altitude)

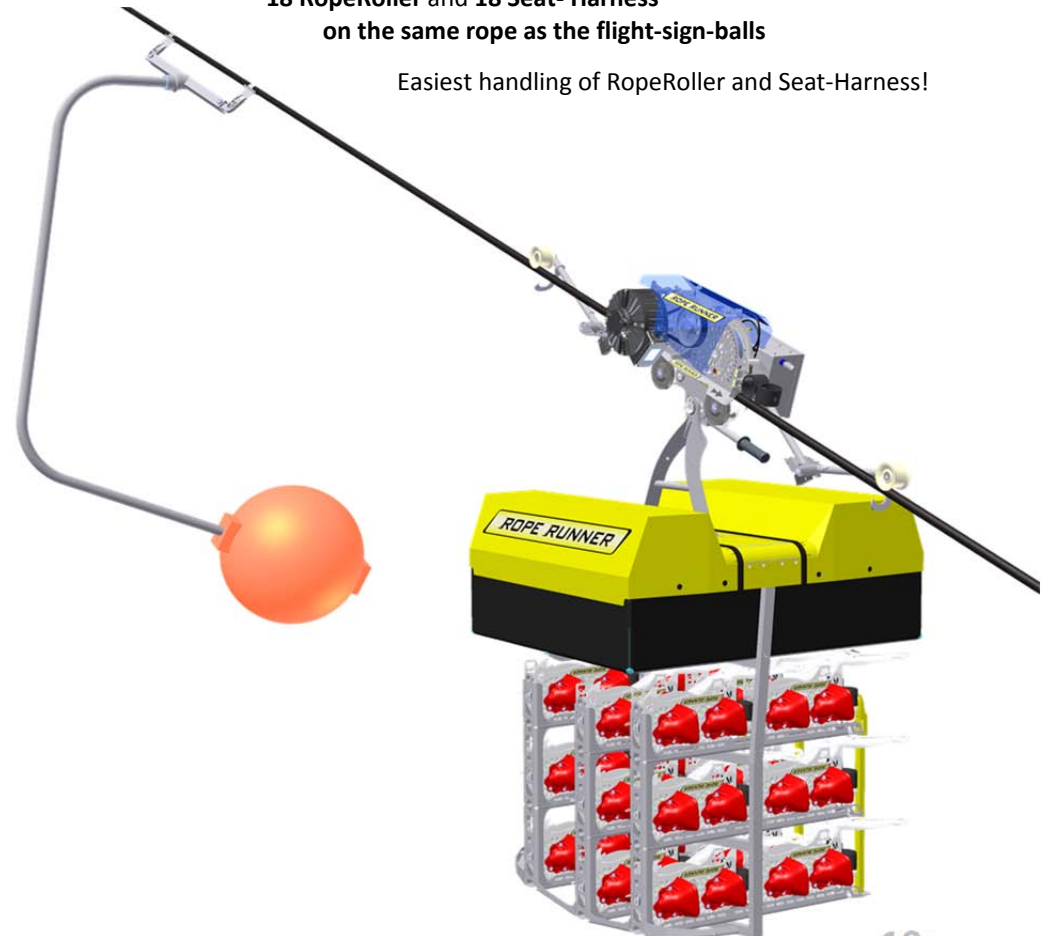


...ways to transport your RopeRoller and Seat harness back to the start!
Which Type of transport mainly depends on your Track circumstances and your facilities for transport.

- A Transport via Ropeway** (chair-lift or cable cabin)
- B Transport via Bus or Taxi**
- C Transport with battery- propelled Transport-Roller**

18 RopeRoller and 18 Seat- Harness
on the same rope as the flight-sign-balls

Easiest handling of RopeRoller and Seat-Harness!





WWW. **ROPE RUNNER** .AT

