



### 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 safty 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 (≜ 5F)



High quality with low maintenance costs and easy to operate



Ride characteristics page 10



Timeline to your RR-Ride page 18



Projects page 10 - 17



Supplies page 18

# As

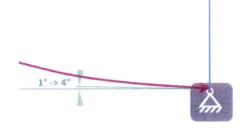
# Zip line planning

Parameters for planning:

Zip line length	Altitude in % and (meters)				
	20 km/h	Fun Run brake page 9		Smart Run brake page 9	Capacity (max. P/h)
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

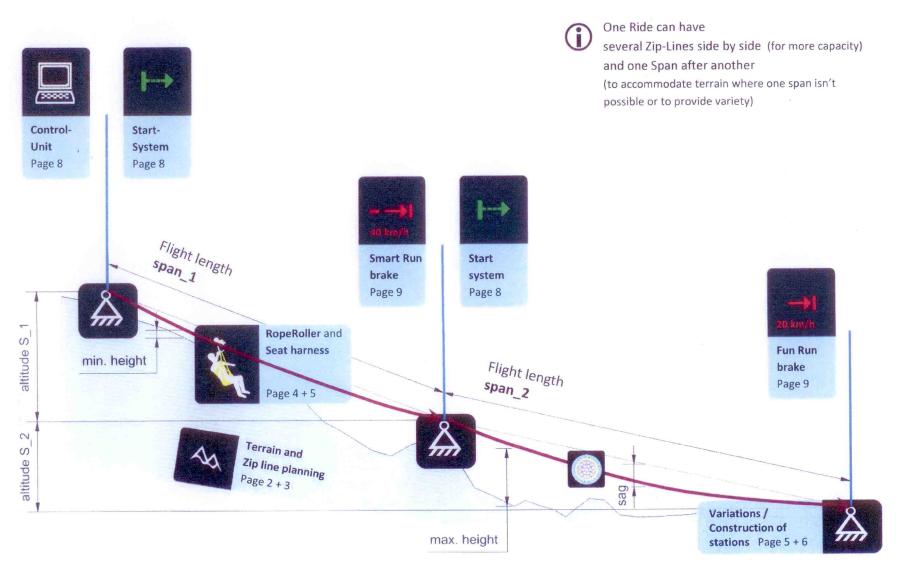


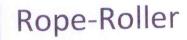
If you draw an arc between the stations to simulate the rope-line -> the arc should start with 1° to 4° from the bottom. ...and check ability of terrain!

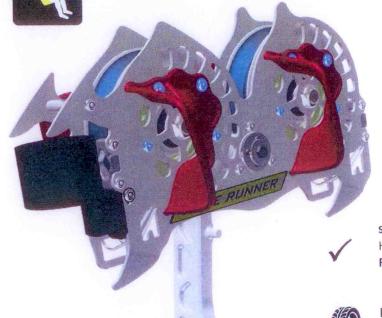


B Let's talk about details of your RopeRunner Ride!

### Ride overwiew

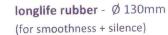






up to 150 km/h (90 mph)

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







Maintenance- and wear-free Eddy current brake



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





## 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)







**Distinctive comfort** while hanging in the seat harness!



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



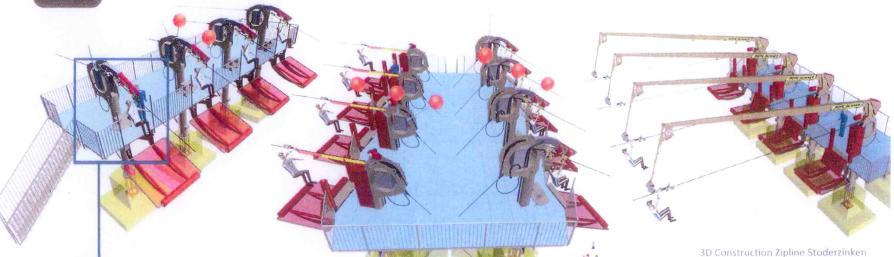
Yellow strapes

- easy to tighten
- simply replaceable





### **Variations**





Douple, 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



Minimal space required for stations, costumized 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.

# Top- Middle- and bottom station







### 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 forst-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

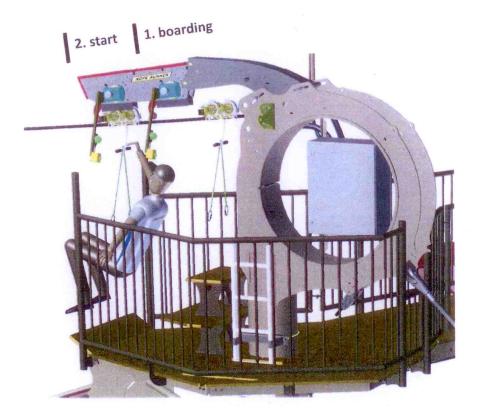
control of take-off is linked to route monitoring
The person can start after the previous passenger has left the track-line
and brake (Smart run / Fun run) sets ready again.



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)

max. 40 to 0 km/h in 11m (max. 1,3g)

 ${\sf arrival\ braking\text{-}system\ } Smart\text{-}Run$ 





**AUTO Park-in** ensures Pinnpoint landing
-Everyone moved to the exit = guarantee Ride **capacity** 



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



After passinger left
– by pushing a button:

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







#### 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 propellered Transport-roller

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

#### Supplies (seen on Page 17)



### **Projects**

SERFA	<b>US</b> – AUSTRIA	"Serfauser Sau	ıser" sir	nce <b>2010</b>			
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 f	from 0 to 70km/h in			
INDOOR SKI AREA – <b>DUBAI</b>			sir	nce <b>2014</b>			
	2 Zip Lines – 1 Span						
Span	130m length	24m altitude	smart-run	max. 45km/h			
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							

55

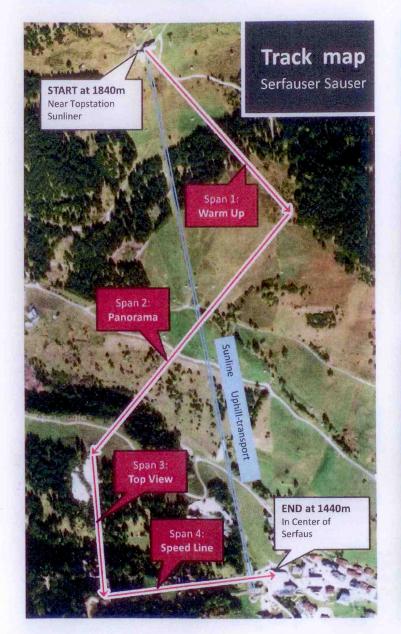
#### OBERAUDORF (Hocheck-Bahnen) – GERMANY since 2014

1 Zip Line (plus Seil für Transport-Roller)

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

### www.serfaus-fiss-ladis.at

### Serfauser Sauser - Tirol







# SternenSauser Hoch-Ybrig / Schweiz

### www.hoch-ybrig.ch











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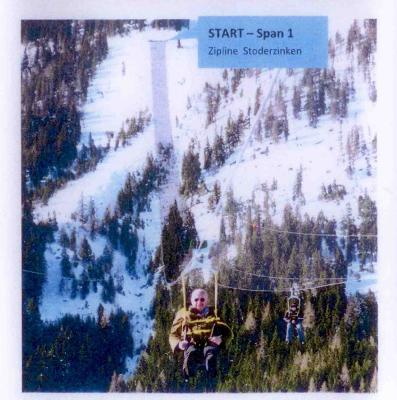
# SternenSauser Hoch-Ybrig / Schweiz



# Zipline Stoderzinken - Steiermark







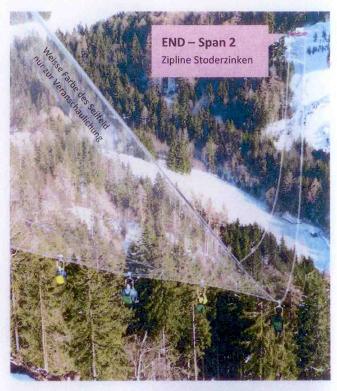




### www.zipline.at

# Zipline Stoderzinken - Steiermark

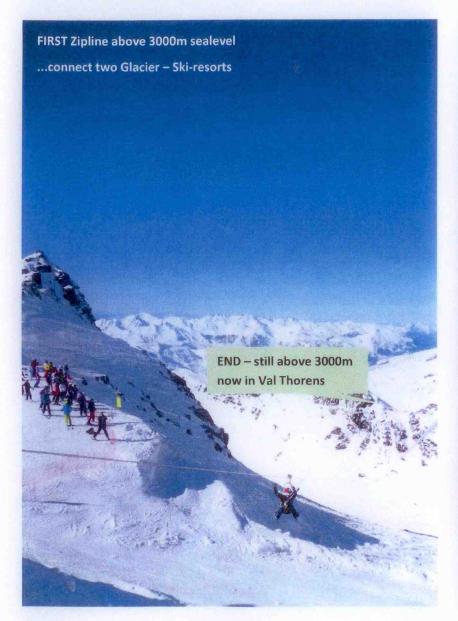


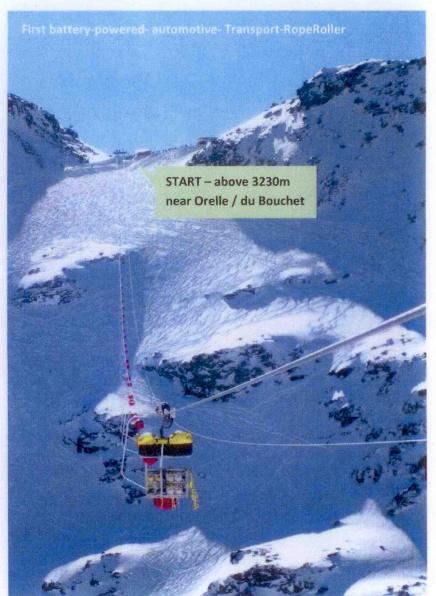




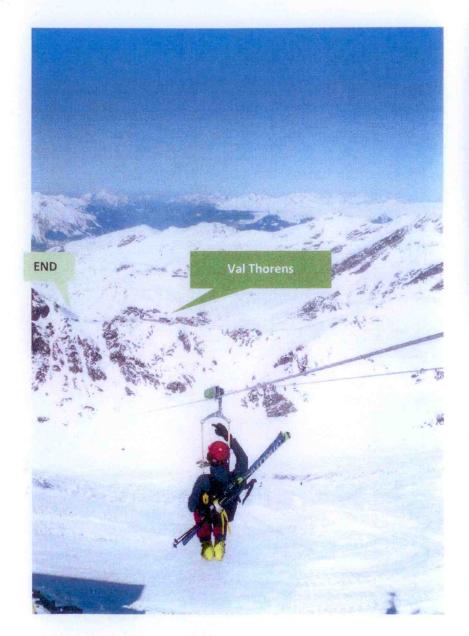


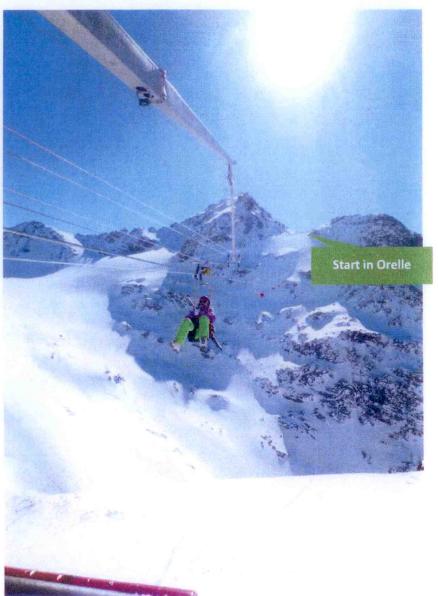
# Tyrolienne Orelle > Val Thorens - France





# Tyrolienne Orelle > Val Thorens - France







### timeline

- Find a track (Info see Page 2)

  And Characterize your RopeRunner-Ride
  (Settings on Page 10)
- Start the project and fix the **Quotation** to your Ride! as obtaining for the **permission of your authority**
- 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.

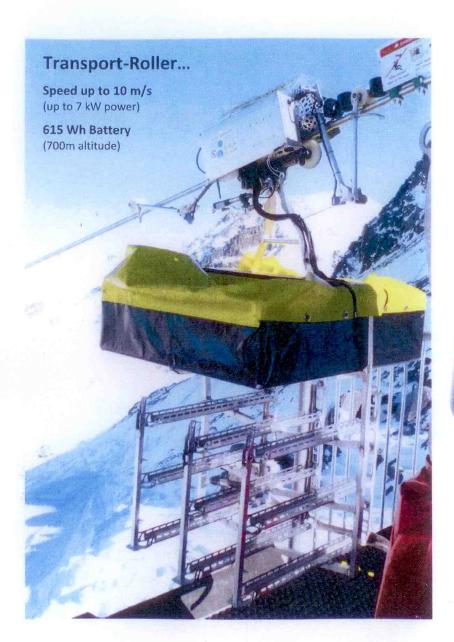


# supplies

- 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.







...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 Tranport via Ropeway (chair-lift or cable cabin)
- B Transport via Bus or Taxi
  Seat harness with a bag for the RopeRoller
- C Transport with battery- propellered Transport-Roller
  18 RopeRoller and 18 Seat- Harness
  on the same rope as the flight-sign-balls

Easiest handling of RopeRoller and Seat-Harness!























