

THE LEITNER 2S SYSTEM

BEST OF BOTH WORLDS





LEITNER'S 2S SYSTEM LEADS THE WAY

The exclusive new developments employed in LEITNER's bi-cable unidirectional ropeway are a symbiosis of its 1S and 3S technology, so they combine the best of both worlds. The main advantages of the system are less noise, reduced maintenance requirements, and a longer service life.

Multiple cable solutions guarantee increased wind stability and are able to cross spans of over 2,500 meters. This makes them perfect for installation over steep and exposed terrain. 2S systems feature detachable grips, so that the systems have a very high carrying capacity. Vehicles can be slowed in the stations and the Stop-and-Go technology even allows them to be stopped altogether. This ensures additional comfort when entering and exiting the cabin.

CAPACITY

up to 6,500 people per hour

SPEED

up to 7.5 m/s

CABIN CAPACITY

up to 15 people

The LEITNER 2S System Best of Both Worlds

LEITNER STATIONS

An additional result of the symbiosis between the tried-and-tested 1S and 3S technology is the station design. The stations are tilted by three degrees to best harness downhill forces. As a consequence, less energy is required when accelerating and decelerating cabins. The stations can therefore be designed to be more compact and space-saving.

AUGMENTING EXISTING STRENGTHS

Based on monocable lift technology that has been tried-and-tested for many years, LEITNER has integrated the acceleration and deceleration mechanisms, hauling rope deflection, and drive and deflection units into the new 2S technology.

SPRING-MOUNTED HAULING ROPE ROLLERS

Another feature are the spring-mounted hauling rope rollers. They significantly reduce vibrations during operation, which makes them extremely quiet.

TRACK ROPE SUPPORT

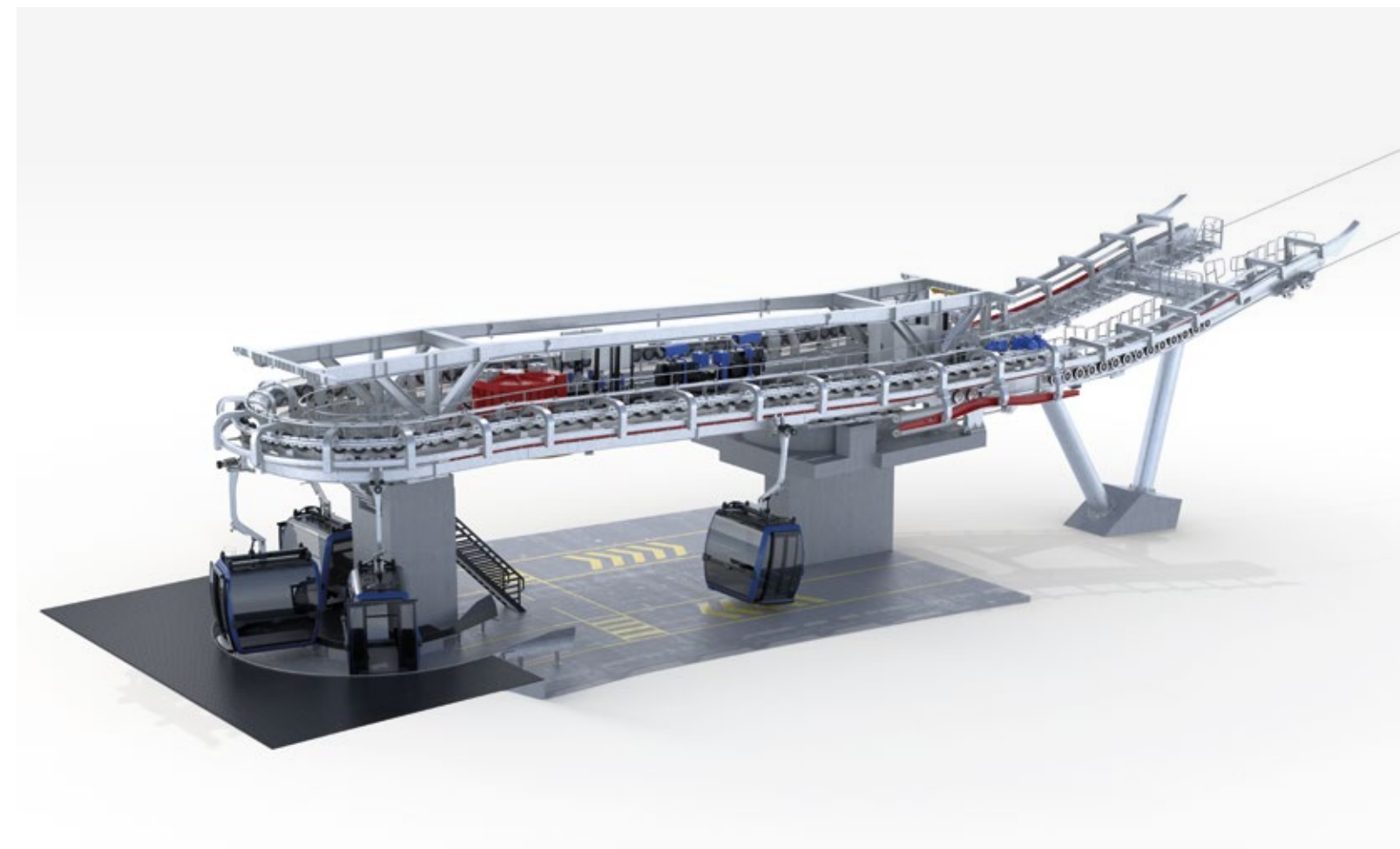
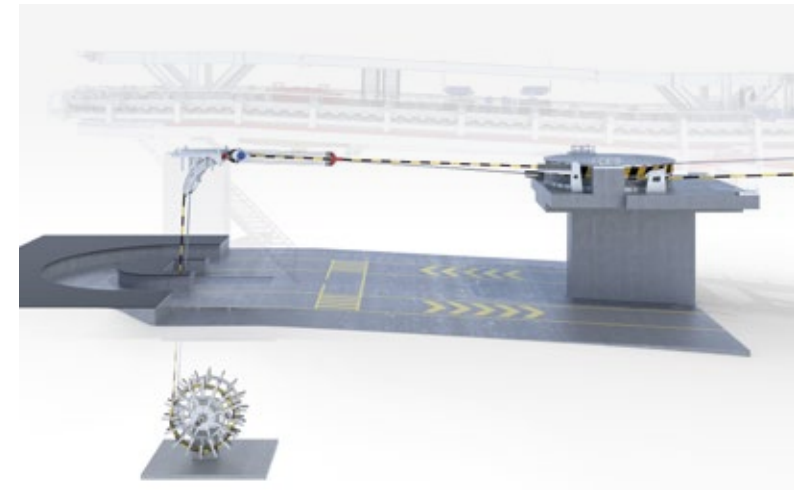
The track rope supports on the towers are now also made from synthetic materials and therefore no longer need to be lubricated. These synthetic guides guarantee constantly low friction. Lattice towers can be installed or, as in the case of monocable ropeways, tubular towers.

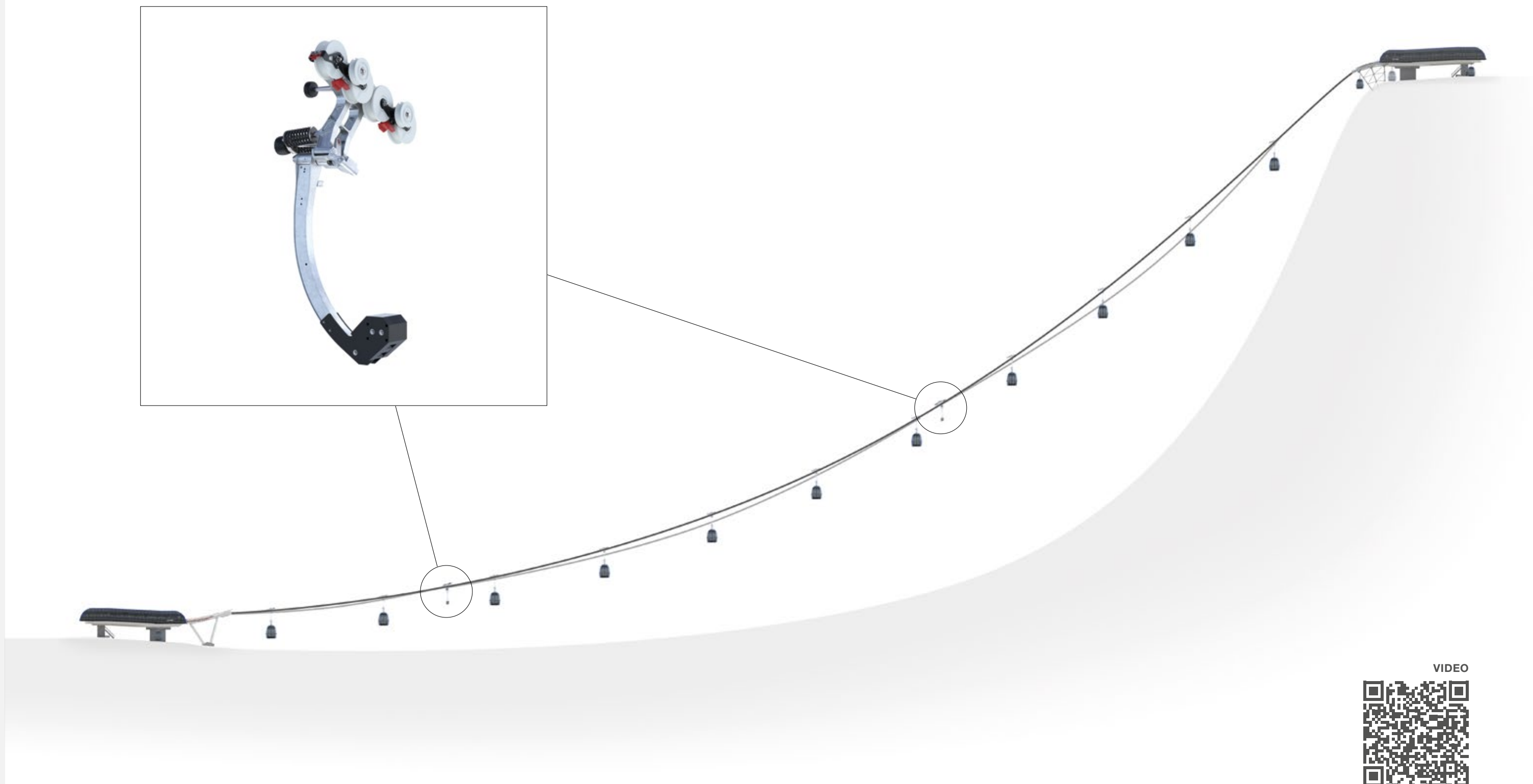
MOVING THE TRACK ROPES

There is an integrated system for repositioning the track ropes. This saves a lot of time and makes work very safe. You can move them with your own staff.

LEITNER GARAGING SYSTEMS

LEITNER bi-cable unidirectional ropeways allow for the same garaging options as their monocable gondola lifts. Our fully automatic loop-line garaging system is the premium solution for the ultimate in convenience, easy operation, and optimum inspection work. Combined with an inclined conveyor, this garaging system can be used to park vehicles at different station levels. The rail-storage garaging system makes maximum use of space, meaning it's the solution to choose if you want an additional parking building but have limited room for it.





Mobile support

Another innovation is the mobile support for the hauling rope. These limit the slack in the hauling rope in very uncommon scenarios involving very long spans. The mobile supports are positioned along the line during the automatic garaging process and automatically returned to the magazine when the vehicles are taken out of the garage again and moved onto the line. This innovative solution has some major benefits for the operation and maintenance of ropeways:

- + The mobile support can be serviced or inspected in the magazine. You don't need to work on the line.
- + Inspection of the track ropes is not hindered by permanently mounted suspended haul rope supports.
- + No more periodic relocation of permanently mounted suspended haul rope supports.
- + The mobile supports consist of standard carriages. They can also be used as carriages for the vehicles. Inspection activities on the carriages can therefore be done during passenger operation, which is especially beneficial for year-round ropeways.

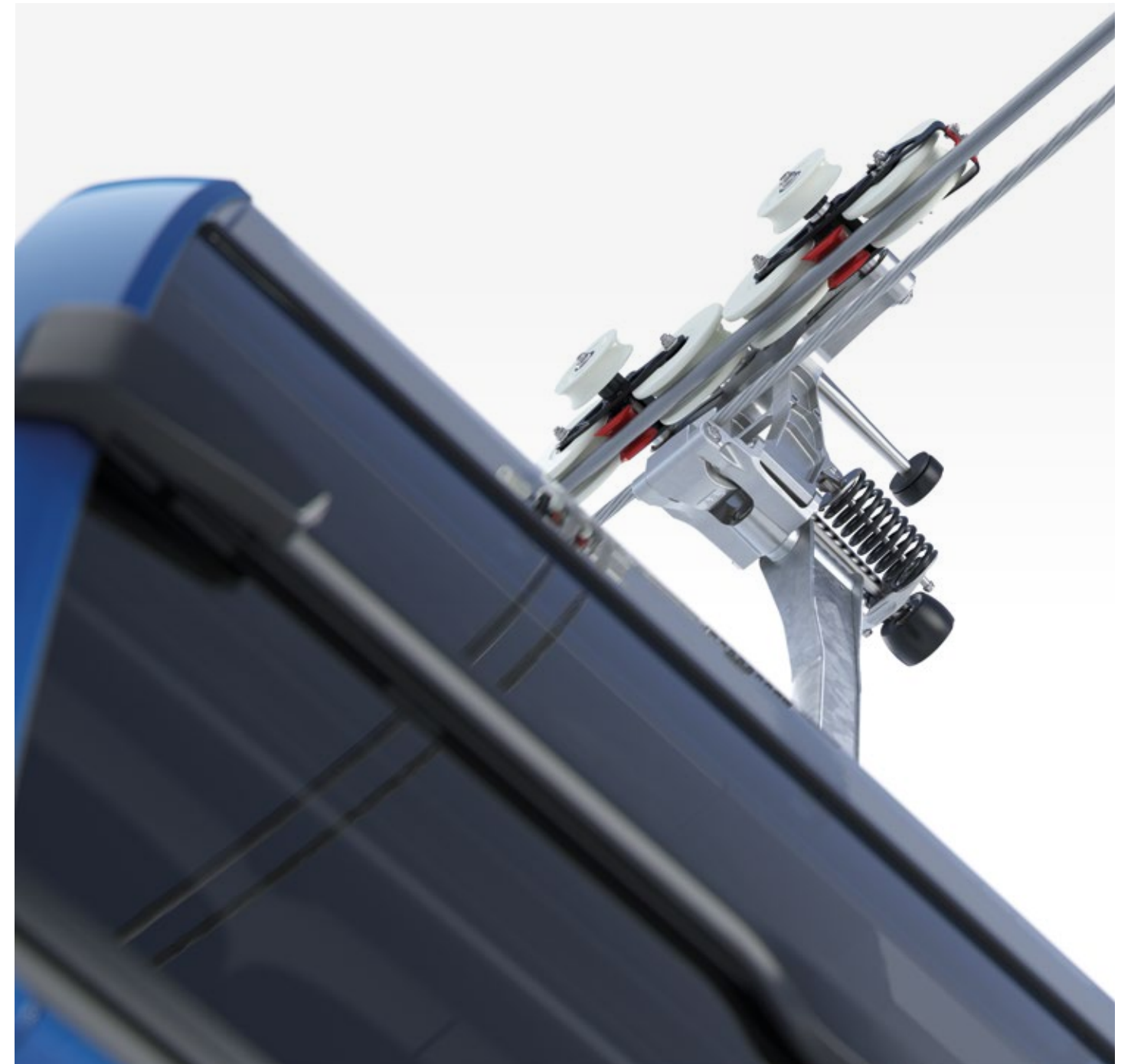
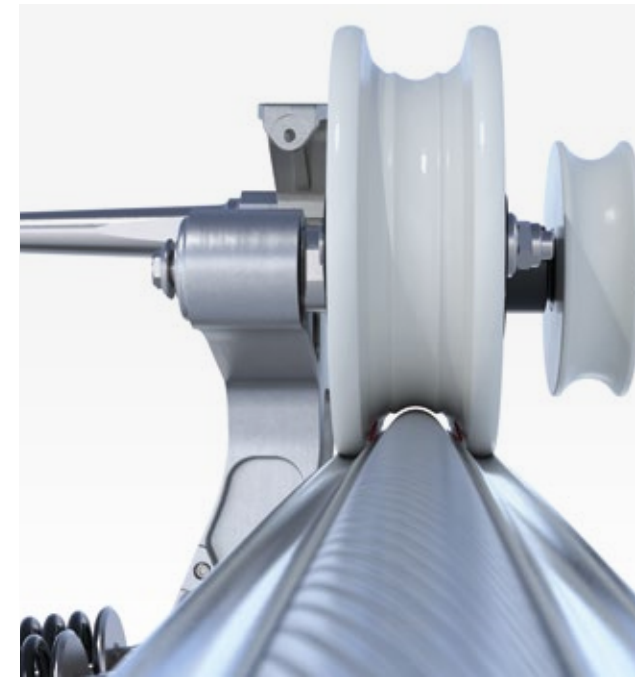
THE LEITNER 2S CARRIAGE

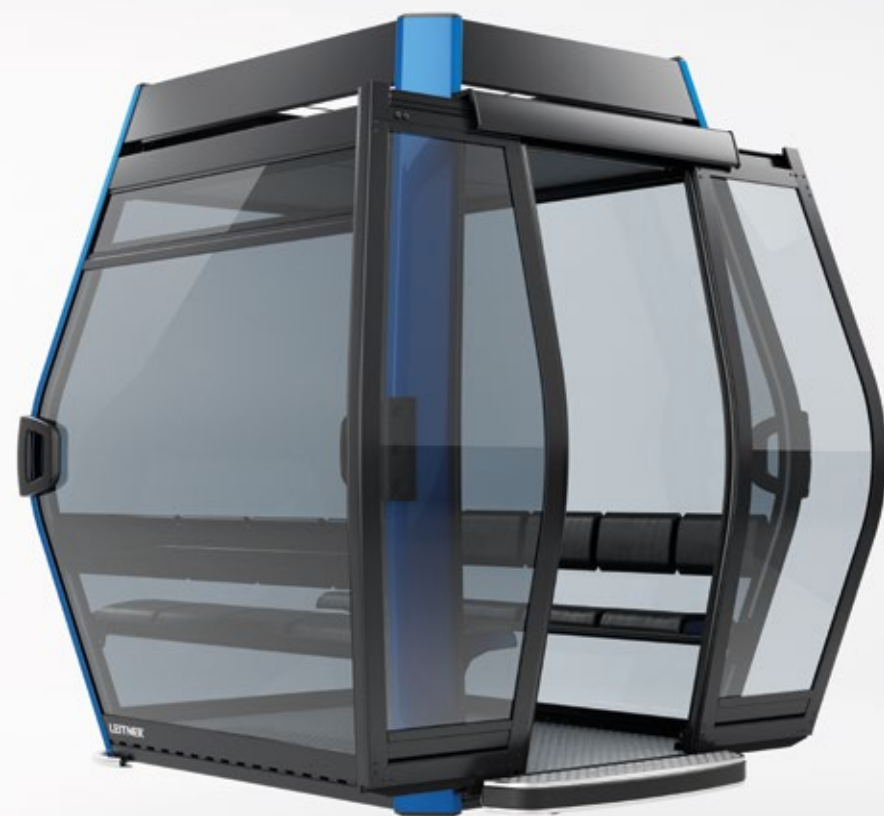
CARRIAGE DESIGN

Advanced manufacturing technologies and precision components like those used in aircraft construction are the hallmark of the LEITNER 2S carriage. Most parts are milled from solid pieces, eliminating the need for numerous safety welds and non-destructive testing. The design offers significantly more stability with less weight. In the LEITNER 2S carriage, much emphasis was placed on using as few components as possible. For instance, it only has one grip. In practice, fewer components means less maintenance.

SYNTHETIC ROLLERS

In contrast to conventional rollers, these are made entirely out of thermoplastics in the 2S carriage. The rollers have been designed with specially shaped side boards. If necessary, these can bear the weight of the entire carrier and rope lifting loads from the track rope to the auxiliary track when crossing towers. The service life of the track rope and the track rope shifting intervals are extended by this rope-friendly development.





DIAMOND EVO Premium Cabins

Design and Quality

STUNNING VIEWS

A 360° view provides a unique take on whatever landscape you're crossing – breathtaking mountains or pulsating metropolises.

GREATER INDIVIDUALITY

The cabins are available in different sizes – Standard and XLine – so you can choose exactly the one that best meets your needs. The cabin can be designed for up to 15 people (seated and standing). An exterior lighting option makes the ropeway look especially impressive when operating. You can also choose from different types of flooring, from sheet metal with a ribbed pattern, to non-slip rubber.

AUTOMATIC SLIDING DOORS

There's no longer any need for the usual lever on the floor, which makes the interior roomier and makes things much more comfortable for passengers at the door seat, because they have more legroom. The subjective feeling of safety is also improved, because the doors no longer move when you lean against them.



SYMPHONY Luxury Cabins

Incomparable and Unequalled

INCOMPARABLE AND UNEQUALLED

LEITNER'S SYMPHONY is unique in every respect: unmistakable Pininfarina looks, 360° panoramic windows, loads of space, and a highly refined interior. The SYMPHONY offers unrivalled exclusivity for guests and operators.

OPTIMIZED AIR CIRCULATION

Ventilation has been perfected by incorporating air inlets in the lower part of the cabin, combined with a window on the tower side, to enable optimum air circulation. This prevents the windows from misting up. It's a design which your guests will not fail to appreciate.

AUTOMATIC SLIDING DOORS

The extra-wide opening created by the sliding doors makes it easy to get in and out, including with strollers, bicycles, and even wheelchairs. The automatic sliding doors are very stable, even when the ski quivers are fully loaded; the additional weight does not impact this.



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2



3

- 1 BD16 CANIN | CHIUSAFORTE (UD)
- 2 BD15 PASSO TONALE – PASSO PARADISO | PONTE DI LEGNO (BS)
- 3 BD10 NEBELHORN I+II | OBERSTDORF (DE)



1

- 1 BD10 SACHEON | SACHEON (KOR)
- 2 BD17 NGONG PING 360° | HONG KONG

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