

# WINTER SPORTS **ROPEWAY SYSTEMS**





# We design the future of WINTER SPORTS

## CUSTOMIZED ROPEWAY SOLUTIONS

Every ropeway is uniquely customized and fulfils individual requirements. LEITNER focuses consistently on the highest level of technology and quality, and on sustainability, high-class design and the customer's individual wishes. The company also recognized early on that modern Italian design of, and likewise stations, is becoming increasingly important and has a decisive influence on the success of the total project.

LEITNER meets the increased demands for functionality and comfort in winter sports with innovative high-tech solutions. Close cooperation with clients is essential for success. The experts at LEITNER support customers in achieving their goals right from the first draft to fulfilment of their goals.

## ROPEWAY SYSTEMS - a summary



**GD**

Detachable gondola lifts



**CD**

Detachable chairlifts



**TMX**

Telemix



**CF**

Fixed-grip chairlifts



**SL**

Surface lifts



**IF**

Funiculars



**BD / TD**

Bicable / tricable gondola lifts



**AT**

Aerial tramways



**GRF**

Reversible gondola ropeways



# DETACHABLE GONDOLA LIFTS

## IN USE ALL ROUND THE WORLD

Detachable gondola lifts are monocable systems in which the vehicles are detached from the hauling cable in the stations. The entry and exit areas of the gondola platform can thus be traversed at low speed, enabling passengers to enter and leave the cabins easily. The entire system provides huge carrying capacity. Several cabin types differing in functionality and design enable the customer to find an individual and optimum solution for any new system. **LEITNER monocable gondolas are not just for winter use but today are used in many different settings.**

### 1 GD10 SCHNEEHÜENER-STOCK-EXPRESS | ANDERMATT (CH)

Earlier, you could only return from Sedrun to Andermatt by train on the Matterhorn Gotthard Bahn; now you can return by ropeway and with your skis.

### 2 GD10 FLECKALMBAHN | KITZBÜHEL (AT)

The “Fleckalmbahn” in Kitzbühel has a number of innovations in technology and design.

### 3 GD10 SAVOGNIN-TIGIGNAS | SAVOGNIN SURES (CH)

This ropeway replaced a 1987 four-seater chairlift and now offers improved capacity and passengers can transport sports equipment.



**TECHNICAL DATA**  
TRANSPORT CAPACITY: up to 4,500 people per hour  
SPEED: up to 7 m/s  
CABIN CAPACITY: up to 10 people per cabin





#### 1 GD10 LA CRUSC | BADIA (IT)

The new 10-passenger gondola lift replaces an old two-seater chairlift and reduces journey time from 14 minutes to three.

#### 2 GD10 COL DRUSCIÈ | CORTINA D'AMPEZZO (IT)

In the venue for the Alpine World Ski Championships 2021 and the Olympic Winter Games in 2026, the connection between Cortina and the Col Druscié is now at the cutting edge of technology.

#### 3 GD10 PIZ SETEUR | WOLKENSTEIN / SELVA GARDENA (IT)

The Piz Seteur gondola lift is in two sections and sets new standards in comfort, safety and performance.





#### TECHNICAL DATA

TRANSPORT CAPACITY: up to 4,500 people per hour

SPEED: up to 6 m/s

CHAIR CAPACITY: for 4, 6 or 8 people



1

2



3



## DETACHABLE CHAIRLIFTS

### SUCCESS THROUGH CONSTANT EVOLUTION

A spirit of innovation and awareness of quality have kept LEITNER automatically detachable chairlifts constantly at the cutting edge of technology, and at the same time set new standards in the ropeway industry in terms of design and comfort. From the very beginning, the design success of the automatically detachable chairlifts was based on pursuit of maximum safety with no compromises and with high economic efficiency as a priority.

This is how LEITNER chairlifts set standards in so many ways:

- **highest level of safety via a maintenance-friendly design**
- **great flexibility due to the LEITNER modular system**
- **excellent value in terms of comfort, design and capacity**

#### 1 CD8C REITERJOCH | OBEREGGEN (IT)

The stations are designed in the elegant Pininfarina style, and the seats are equipped with manually lockable safety bars and individual footrests.

#### 2 CD8C HASENKÖPFL | SEXTEN (IT)

This new 8-seater chairlift with a Pininfarina station and LEITNER DirectDrive was installed at the Helm ski mountain

#### 3 CD6 MALGA TOGNOLA | SAN MARTINO DI CASTROZZA (IT)





1



2



3

### 1 CD6C GLOCKNERBLICK | KALS (AT)

With the two existing 4-seater chair lifts, a trip to the ski area has previously taken about 30 minutes. Now you can start skiing more quickly and conveniently.

### 2 CD6 STELLA ALPINA | COLFOSCO - KOLFUSCHG (IT)

### 3 CD6C SCHRÖDELSTEINBAHN | LENGGRIES (DE)

In addition to the extremely energy-efficient LEITNER DirectDrive, installation focused primarily on functions suitable for children.



# TELEMIX

## DETACHABLE CHAIRLIFT AND GONDOLA LIFT ALL IN ONE

Telemix is the intelligent combination of various vehicles within a single system - an efficient variation designed entirely in line with individual client requirements. While experienced skiers return to the slopes as quickly as possible on comfortable seats and without stepping out of their skis, children, pedestrians or tobogganists are carried comfortably and safely in the cabins. Telemix systems can also be employed during the summer, when the chairs are simply removed from the line.



**TECHNICAL DATA**  
TRANSPORT CAPACITY: up to 3,900 people per hour  
SPEED: up to 6 m/s  
CHAIR CAPACITY: for 4, 6 or 8 people  
CABIN CAPACITY: up to 10 people



### 1 TMX6-10 CHABRIERES | VARS (FR)

### 2 TMX8-10 PLATTENKARBAHN | OBERTAUERN (AT)

The chairs and seat benches are upholstered with loden fabrics and thus not only exude a feeling of cosiness but exclusivity, too.

### 3 TMX6-8 PANORAMABAHN ROSSKOPF | STERZING (IT)

The mix of 6-seater chairs and 8-passenger cabins not only increases the capacity of the new facility, but its functionality as well.



# FIXED-GRIP CHAIRLIFTS

## SOLID SOLUTIONS FOR SHORT STRETCHES

Fixed-grip chairlifts are monocable lifts in which the chairs are rigidly fixed to the towing cable. They have thus built up a reputation for extreme reliability and safety, and this remains thanks to continuous development by LEITNER. The technology has proved itself time and time again and has been continuously improved. Right from the start, economic performance has been improved and apart from these advantages, as with the detachable lifts, their interesting design is always a striking feature.

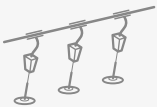
CF4 VALDELINARES | VALDELINARES (ES)



TECHNICAL DATA	
TRANSPORT CAPACITY:	up to 2,400 people per hour
SPEED:	up to 2.8 m/s
CHAIR CAPACITY:	for 2 or 4 people



SL2 HAMRAFJÄLLET | TÄNNDALEN (SE)



TECHNICAL DATA	
TRANSPORT CAPACITY:	up to 1,400 people per hour
SPEED:	up to 3.5 m/s
HANGERS:	for 1 or 2 people

# SURFACE LIFTS

## RELIABLE AND IDEAL FOR BEGINNER SLOPES

LEITNER surface lifts are ropeway systems used especially on beginner slopes or to cross shorter sections. Their reliability is based on decades of experience gained during the construction of 2,500 systems around the world. As a worldwide supplier, LEITNER always strictly follows European safety regulations. In recent years, surface lift technology has been continuously developed and improved with detailed refinements.





#### TECHNICAL DATA

TRANSPORT CAPACITY: up to 8,000 people per hour  
 SPEED: up to 14 m/s  
 CAR CAPACITY: up to 400 people



#### 1 IF130 HUNGERBURGBAHN | INNSBRUCK (AT)

An automatic inclination system for the two cars of the funicular ensures that passengers can easily board and leave with the cars horizontal at all stations.

#### 2 IF440 U-BAHN SERFAUS | SERFAUS (AT)

With four underground stations along a route of 1,280 metres, passengers can get to all important locations in the village. Serfaus is traffic-calmed on account of the funicular.

## FUNICULARS

### SAFE, RELIABLE, FAST AND ECO-FRIENDLY

LEITNER funiculars run on rails. Their route is very flexible, whether straight or curved, uphill or downhill. Car capacity also varies and the individual cars can be combined to form train sets to increase carrying capacity. **With speeds of up to 14 m/s, funiculars are the fastest ropeway system of all and are designed to operate at the highest levels of availability expected of any public transport system.**



# TRICABLE & BICABLE GONDOLA LIFTS

## ECONOMICAL SOLUTIONS IN DEMANDING TERRAINS

Multiple cable solutions guarantee increased wind stability and are able to cross spans of over 2,500 metres. This makes them perfect for installation over steep and exposed terrain. Tricable gondola lifts have one hauling cable and two support cables; bicable gondola lifts have one hauling cable and one support cable. In both systems, the grips are detachable, so that the systems have a very high transport capacity. Vehicles can be slowed in the stations and with the new Stop-and-Go technology they can even be stopped altogether. This ensures additional comfort when entering and exiting the cabin.

### 1 BD10 SACHEON | SACHEON (KOR)

Due to the long spans and the fact that the route is exposed to the wind, the city management decided to implement the project in the form of a bicable gondola lift.

### 2 TD34 VOSS GONDOL | VOSS (NO)

The system is a key element in an intermodal transport concept which envisages a “green line” between Bergen and Voss.

### 3 TD28 MATTERHORN GLACIER RIDE | ZERMATT (CH)

The high standards of this exceptional project are reflected in the design features.



#### TECHNICAL DATA

TRANSPORT CAPACITY: up to 6,000 people per hour  
SPEED: up to 8,5 m/s  
CABIN CAPACITY: up to 35 people





1 AT101 MURTÈL-CORVATSCH | CORVATSCH (CH)

2 AT69 NORDKETTENBAHN II | INNSBRUCK (AT)

With the commissioning of the new Nordkettenbahn, the direct link between the old town of Innsbruck and the Hafelekar came a significant step closer.



# AERIAL TRAMWAYS

**TRIED AND TESTED, FORWARD-LOOKING AND ADAPTABLE**

Aerial tramways are particularly well-suited to extreme terrains since the towers can be erected at greater intervals. In this system, one or two cabins shuttle back and forth between the stations, pulled by a hauling cable and on one or two supporting cables or just on one hauling cable.



**TECHNICAL DATA**

SPEED:	up to 12 m/s
CABIN CAPACITY:	up to 100 people (one supporting cable)
CABIN CAPACITY:	up to 200 people (two supporting cables)





#### TECHNICAL DATA

SPEED: up to 6 m/s  
CABIN CAPACITY: up to 15 people

# REVERSIBLE GONDOLA ROPEWAYS

## WELL ESTABLISHED AND ECONOMICALLY VIABLE TECHNOLOGY

Reversible gondolas with fixed grip are fixed to the rope in groups. Cabins seating 8, 10 or 15 people are available. The ropeway stops as soon as the group of cabins reaches the stations. The system makes it easy for passengers to enter and exit.

Reversible gondola ropeways are suitable mainly for short journeys, where low transport capacity is required.

**This type of ropeway is ideal for either summer or winter use.**





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