



## The LEITNER Middle Station

Variable deflection from 0 to 90°

**Basis** Basically, the LEITNER middle station consists of two interconnected standard stations. The connection between the stations is adapted to the specific requirements of each project.

**Description** Installations with several sections and separate rope loops are connected to each other by a connecting conveyor in the area of the station curve. Depending on the passenger capacity, the individual sections of the systems can be operated individually or run automatically in non-stop operation.

At systems with one rope loop, the carrying-hauling rope is led through the middle station and is deflected as required. The deceleration and acceleration devices of the individual sections are directly connected by means of a tyre conveyor. With this version, the middle station can be designed with a boarding/deboarding area or as a deflection station without boarding/deboarding.

At a single-sided middle station, for example, only the drive-up side (as a midway boarding for repeat runs at winter sports installations) is designed with a midway station. The system's rope guidance of the downhill side can be realised cost-efficiently without a midway station.

## Benefits

The LEITNER middle station is **adapted to the specific requirements of each project**, allowing for a **random deflection angle** between 0 and 90 degrees.

Thanks to the use of standard station components, the LEITNER middle station can be **designed according to individual requirements** as a drive, return, drive-tension or deflection station.

## Design examples



Middle station of a “multiple-section ropeway” with boarding/deboarding (GD10 Cable Aéreo Manizales)



Deflection station (CD4 Schaufelbergbahn)



Middle station as “top station” (TMX6/8 La Chaux Express)



Single-sided deboarding station (CD4 Kandahar Express)



Middle station with 90° deflection (GD8 Teleférico de Montjuïc)



Single-sided middle station with boarding and deboarding (CD6 Nationale Express)