

# The LEITNER Middle Station

## Variable deflection from 0 to 90°

A LEITNER middle station essentially consists of two connected standard stations. The way these two stations are joined together depends on the project and its requirements.

Ropeways consisting of multiple sections with separate rope loops are linked up using a connecting conveyor in the station bend area. The different sections of the ropeway can be operated fully automatically and non-stop, or individually, depending on operating volume. In systems with one rope loop, the haul rope passes through the middle station, where it changes direction. The deceleration and acceleration systems in each section are directly connected by a tire conveyor.

In this version, the middle station can be designed with a boarding and deboarding area, or purely as a deflection station without boarding or deboarding. In the case of a single-sided middle station, for example, only the uphill side features a midway station (as an intermediate entrance for repeat runs at winter sports facilities). The rope can be routed on the downhill side without a midway station, which is more cost-efficient.

LEITNER middle stations are tailored to the requirements of each project, enabling any deflection angle between 0 and 90 degrees. By using standard station components, the LEITNER middle station can be designed as a drive, return, drive-tension or deflection station, depending on requirements.

