The LEITNER HCL Station

High Capacity Loading – High Comfort Loading

An elongated station can easily be employed to make gondola lifts easier to board, while with chairlifts, the coordination of movement between the chairs and passengers needs to be optimized.

In the LEITNER HCL station, the station turnaround incorporates two bends with different radii. At the first corner, the chair moves around a very tight 90° bend. The second 90° bend is immediately after that, but has a very wide radius.

This combination of bends means that, by the time it reaches the place where passengers get on, the chair has already completed three quarters of the 180° rotation which it needs to complete in the station turnaround, and there is much more space between the chairs for getting on than there is in a standard station. Furthermore, the flow of passengers passes through an entry barrier which opens at staggered intervals, thereby synchronizing the movements of boarding passengers with the geometry of the chair's passage around the bend.

The LEITNER HCL station is also the perfect solution when it comes to separating gondolas and chairs for boarding and deboarding TELEMIX ropeways.

Because the movements of the passengers and chairs are so well coordinated, there is more space between the chairs, and much more time for passengers to move in between them.

Passengers can get on comfortably and safely, without stress, even when a lot of them are being carried, and this means much greater availability for operators. When a ropeway is designed for maximum comfort, the HCL station, while carrying the same number of people as a standard station, doubles the time which passengers have to board.

TECHNICAL SPECIFICATIONS

Maximum transport capacity	+ up to 3,600 p/h – six-seater chairlift + up to 4,500 p/h – eight-seater chairlift
Station turnaround speed	Standard 1 m/s, adaptable to each customer's project