

MOUNTAIN PEOPLE MOVER

NEW SOLUTION FOR
HIGH INCLINATION



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P6/12 AROSA, SWITZERLAND

Gliding up the mountain with the Tschuggen Express in Arosa, the famous ski resort in Switzerland, is a real pleasure for everybody. The stunning Mountain People Mover went into operation for the hotel guests in 2009. At the touch of a button the two cabins take 12 hotel guests directly to the skiing and hiking area with each trip. While guests enjoy the views of snow-covered mountain tops or lush green alpine meadows in summertime, the train climbs 150 meters in altitude over a stretch of 528 meters of track. The maximum gradient is 52%. The Tschuggen Express covers the steep section of track with a speed of up to 4 meters per second, allowing the journey to be completed in less than two and a half minutes.

In response to the challenging requirements to provide a comfortable, save and reliable transport service for the passengers, even under adverse weather conditions such as heavy snowfall, ice and arctic tempera-

tures, Intamin has developed the Mountain People Mover, which is just made for such applications. With its capability to travel on strong inclines of more than 50%, it can easily cope with the topographical challenges in this mountainous area. The trains are running on an elegant and light track allowing to follow the terrain closely.

The trains are independently self-driven with motors and controls on board. The pinion drive is a special development, designed to provide a smooth and virtually noiseless ride, even at higher speeds. This is particularly important in noise sensitive areas and for night time operation. The system is designed such to operate under adverse winter conditions with ice and snow fall, without requiring costly snow removal equipment.



MOUNTAIN PEOPLE MOVER P8/P16

In order to cope with the wide variety of transport needs in mountains and hilly environments, the Mountain People Mover provides technical features to adapt the system to these specific needs of each application. The modular design of the trains allows to select the numbers of cabins, from 3 cabins up to 10 cabins per train, to fit the train size to the desired transport capacity.

Two different cabin types are available. The type P8 offers space for 8 seated passengers while the cabin of the type P16 can accommodate 16 seated passengers.

The passengers can enjoy their trip in spacious cabins and will admire the view on the surrounding scenery by large panoramic windows. Large doors will facilitate the embarking for the passengers. Various options can be selected in order to enhance the passenger comfort, as for example automatic cabin levelling and audio-visual passenger information systems.

Thanks to the self-driven and independent operation of each train, maintenance can be done without closing the entire system as it is necessary for cable pulled systems.

The automatic system keeps the operational costs on a low level.

The self driven technology allows an easy system extension in the future, simply by adding a further section of track or adding additional stations – or additional trains to an existing system.



CAPACITY TAILORED TO YOUR NEEDS

Technical Data – Mountain People Mover P8

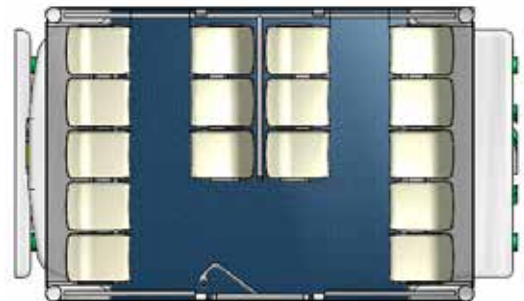
Train:	
Height of train (over rail)	3.4 m
Width of train	2.0 m
Number of cars per train	2 to 10 cars
Length of train	7.5 to 36 m
Passenger capacity of train	16 to 80 pers.
Automatic driver-less operation	
Automatic doors	standard
Automatic cabin leveling device	optional
Air-conditioning/Heating	optional
Wheelchair access	optional
Track:	
Typical span between columns	12 m
Recommended height over ground	6 m
Max. recommended gradient	50%
Min. turn radius	20 m
Stations:	
Length of station platform	6 to 32 m
System:	
Max. transport capacity	up to 1'500 pph

Technical Data – Mountain People Mover P16

Train:	
Height of train (over rail)	3.6 m
Width of train	2.5 m
Number of cars per train	2 to 10 cars
Length of train	8.7 to 41.5 m
Passenger capacity of train	32 to 160 pers.
Automatic driver-less operation	
Automatic doors	standard
Automatic cabin leveling device	optional
Air-conditioning/Heating	optional
Wheelchair access	standard
Track:	
Typical span between columns	12 m
Recommended height over ground	6 m
Max. recommended gradient	50%
Min. turn radius	20 m
Stations:	
Length of station platform	7 to 40 m
System:	
Max. transport capacity	up to 3'000 pph



Passenger cabin layout P8



Passenger cabin layout P16

