

## **PEOPLE MOVER P8**

LIGHT MONORAIL  
FOR CITY TRANSPORTATION



# OUR FLEXIBLE-SIZE SOLUTION FOR YOUR CITY TRANSPORTATION

## XI'AN, CHINA

Xi'an is with more than 8 million inhabitants one of the most populous metropolitan areas in the inland China and has a rich and culturally significant history. With the requirement of a transport system, which fits seamless into the historical sensitive and touristic attractive environment, the light Monorail system of the type P8 has been selected for the district of Qujiang. The passenger compartments are fully air-conditioned, and for an enhanced comfort, all passengers have a seat and can enjoy a silent and smooth ride while enjoying a great view on the historical sites through large windows.

### Technical Data

Number of trains	3 trains
Length of train	23.6 m
Vehicles per train	6 + 1 equ. car
Capacity per train	48 pers.
Max. speed	40 km/h
Length of track	9.6 km
Max. incline	10 %
Number of stations	11 stations
Year opened	2015

## CALABAR, NIGERIA

The monorail using an Intamin P8 electric powered passenger shuttle train composed of ten passenger cars and two equipment cars will be available at the Summit Hills to care for transport need of residents and visitors. The train will shuttle passengers on a total track length of 1.7 km between the CICC and the Tinapa complex while allowing access to Studio Tinapa, Tinapa Shopping Center, and the Tinapa waterpark and provides a quick alternative access connecting Tinapa to Summit Hills. One train P8/78 with a maximum capacity of 78 seated passengers will serve three stations.

### Technical Data

Number of trains	1 train
Length of train	38 m
Vehicles per train	10 + 2 equ. car
Capacity per train	78 pers.
Max. speed	40 km/h
Length of track	1.7 km
Max. incline	10 %
Number of stations	3 stations
Year to be opened	2016





## SHENZHEN, CHINA

During the last decades, Shenzhen has been one of the fastest growing cities worldwide. In order to cope with the need of the booming city, a fast implementation of an innovative transport system was required. In response to this, the light Monorail system P8 has been selected, and the 4,5km line has been realised within a record time of only 14 months. This was possible thanks to the pre-fabricated track elements which could be erected on site in an easy and fast manner. The line is a loop serving seven stations, including stops at the four parks Splendid China, Happy Valley, Window of the World, and China Folk Culture Village.

### Technical Data

Number of trains	5 trains
Length of train	10 m
Vehicles per train	3
Capacity per train	24 pers.
Max. speed	40 km/h
Length of track	4.5 km
Max. incline	15 %
Number of stations	7 stations
Year opened	1998

## MAINTENANCE VEHICLE

A diesel-hydraulic driven maintenance- and rescue vehicle is foreseen, to inspect and maintain the wayside equipment, as well as for emergency rescue of a stalled train. A cradle can be lowered on both side of the track beam for inspection and maintenance of the equipment along the track.

The vehicle is capable of holding approx. 2 maintenance staff members with the appropriate tools and equipment for inspection, maintenance and small repairs. It is equipped with its own energy sources, such as electrical power and compressed air. This allows towing away a train independent from the availability of electrical traction power.

The MRV is equipped with appropriate lighting for use at night time.



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Superior quality and comfort are not necessarily an expensive luxury. The P8 is an economic solution, providing a system to the high specifications suitable for any kind of transportation within districts. Environmentally friendly due to the use of high performance electric motors, virtually no emissions are detectable from the drives.

Air-conditioning, audio systems, a large selection of seating, choice of colours together with automatic doors and energy saving glazing systems are available to make these trains flexible and modern in appearance.

## Technical Data

Train	
Height of train (over rail)	2.1 m
Width of train	2.0 m
Number of cars per train	3 to 10 cars
Length of train	10 m to 38 m
Capacity of train	24 to 80 pers.
Maximum recommended speed	12 m/sec.
Automatic driver-less operation	optional
Automatic doors	standard
Air-conditioning/Heating	optional
Wheelchair access	optional

## Track

Typical span between columns	15 m
Optional span between columns	12 to 24 m
Recommended height over ground	5 m
Maximum gradient	up to 10 %
Minimum turn radius	20 m

## Stations

Length of station platform	8 to 42 m
Station operation panel	standard
Automatic operation from control room	optional

## System

Maximum transport capacity	up to 5,000 pph
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**P8/24:** 24 passengers per train



**P8/48:** 48 passengers per train



**P8/72:** 72 passengers per train

