



INTAMIN
TRANSPORTATION

PEOPLE MOVER P30

TRANSPORTATION
FOR CITIES AND AIRPORTS



OUR SOLUTION FOR YOUR CITY TRANSPORTATION

MOSCOW, RUSSIA

Complementary to the traditional underground system in Moscow, a first line of an elevated monorail system has been implemented, which represents a cost effective alternative to the expensive underground system.

The fast implementation of new transport lines makes the monorail technology attractive for city planners.

The passengers appreciate the superior passenger benefits, such as fast and easy access at the stations, a pleasant trip and the view of the city during the ride.

Technical Data

Number of trains	10 trains
Length of train	34 m
Vehicles per train	6 vehicles
Capacity per train	210 pers.
Max. speed	80 km/h
Length of track/double track	5 km
Height of columns	approx. 7m
Max. incline	7%
Number of stations	6 stations
Transport capacity	6.000 pers./hour
Year opened	2004

PORT HARTCOURT, NIGERIA

Port Harcourt and its metropolitan area counts 3.7 Mio citizens. The rapidly increasing traffic in the city regularly leads to congested roads. Therefore city planners were looking for a fast implementation of an efficient mass transit system.

Each train offers space for 210 passengers and is equipped with a powerful propulsion system providing fast and efficient transport for the passengers. The automatic train control system is designed for a short train interval of less than 2 minutes, providing a high flexibility to increase the transport capacity in the future, simply by adding additional trains.

The transport system has its own electrical power generation - and distribution system which is designed such to ensure high system availability.

Technical Data

Max. speed	80 km/h
Capacity per train	210 pers.
Length of train	34 m
Length of station platform	31 m
Scheduled opening date	Oct. 2013



BOLOGNA, ITALY

From the airport the passengers will reach the city center of Bologna by a smooth and comfortable ride within only 7 minutes. The stations and the trains are equipped with all features for modern public transport, such as CCTV system, automatic announcement and communication systems, passenger information displays and platform screen doors etc. In this way the entire system can be fully automatically operated, without drivers on the trains or staff at the stations.

Solar panels are installed all along the track, achieving a unique energy balance of the transport system.

Technical Data

Max. speed	80 km/h
Capacity per train	70 pers.
Length of train	14 m
Length of station platform	40 m
Scheduled opening date	2014

TEST PLANT MOSCOW, RUSSIA

To deal with harsh russian winter weather a test plant was opened. Trains were tested in a winter climate with snow, ice and temperatures lower than minus 40°C (~40°F). As a result heating equipment has been installed on the guideways and there are also heaters under each seat. Trains can operate under extreme conditions between -40 and +40°C.

Technical Data

Max. speed	60 km/h
Vehicles per train	2
Capacity per train	60
Length of test track	600 m
Ambient temperature	- 40°C to + 40°C
Year opened	1999



INNOVATIONS FOR YOUR CITY TRANSPORTATION

The P30 People Mover is a response to the demands and requirements of urban transportation authorities and airport operators, for a safe, fast and reliable transportation system. The system is most suitable for public transportation services in cities and allows city planners an easy implementation of a mass transit system, even into difficult environments. The train is characterized by an innovative design, spacious cabins, convenient for both standing and seated passengers and is equipped with large size door openings for easy and quick passenger access.

Intamin People Mover Systems are characterized by route planning flexibility, low construction costs, low operation costs due to the high automation degree and are environmental friendly with virtually no emissions.

The train guiding system combined with a sophisticated automatic train protection and guiding solution, allows for a driverless operation of the trains and optimization of line performance while improving the safety of operation. The high degree of automation makes it also possible to operate the system with a minimum number of staff. State-of-the-art communications systems with on-board passenger information system together with large window areas enhance the environment to a superior level of comfort. The trains travel quietly and quickly to their destinations, offering an efficient transportation method, especially during the rush hour.

Technical Data

Train

Height of train (over rail)	2.8 m
Width of trains	2.3 m
Number of cars per train	2 to 10 cars
Length of train	14 m to xx m
Capacity of train	60 to 350 pers.
Automatic driver-less operation	optional
Automatic doors	standard
Air-conditioning/Heating	optional
Wheelchair access	standard

Track

Typical span between columns	24 m
Optional span between columns	12 to 30 m
Recommended height over ground	6 m
Max. recommended gradient	8 to 10%
Min. turn radius	30 m

Stations

Length of station platform	15 to xx m
Automatic operation from control room	optional
Platform screen doors	optional

System

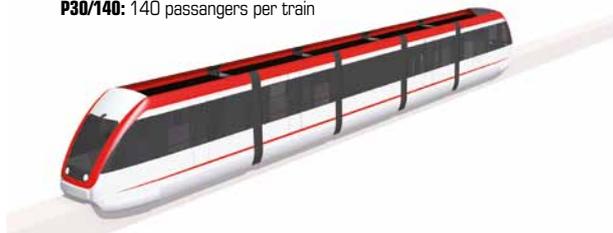
Max. transport capacity	up to 15'000 pph
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P30/70: 70 passengers per train



P30/140: 140 passengers per train



P30/210: 210 passengers per train



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