

Rio de Janeiro has inaugurated its new aerial tramway

Thursday 7 July 2011, the new Complexo do Alemão aerial tramway in Rio de Janeiro was inaugurated by the President of Brasil, Dilma Rousseff. Built by the Groupe POMA, leader in rope transportation, this aerial tramway is a world premiere for its unique equipment, complexity and technical excellence. Beyond its innovative aspects, it is the longest urban gondola lift (3.4 km) in the world, connecting Alemão (the northern Rio districts) to the city centre. After Medellin, Taipei and New York, POMA is providing Rio de Janeiro with a low carbon emission, fast, efficient and reliable urban transport solution.

With Rio de Janeiro organising the Soccer World Cup in 2014 and the Olympic and Paralympic Games in 2016, Brazil has begun an intensive campaign to modernise its infrastructures. In Rio, this impressive program to modernise the transportation system is transforming the city and will leave a durable and beneficial mark with sizeable social implications.



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The Complexo do Alemão aerial tramway is part of this modernisation policy while committing to sustainable development in urban transportation systems. POMA aerial tramway technology is the best choice since it is the method of transportation that leaves the lowest ecological footprint. The ratio of air pollutant emissions to the number of passengers transported is the best in the field. With aerial rope transportation, Rio de Janeiro has bet on the future.

For this exceptional work, the Groupe POMA worked together with the Brazilian consortium Rio Melhor, comprised of the ODEBRECHT – OAS – DELTA companies. The total cost of electro-mechanic equipment and POMA services reaches 20 million euros. This aerial tramway is a first in the world because of its technical characteristics and the complexity of its equipment: 3,456 meters of line and 24 towers installed on rough terrain. For the first time in the world, 5 interconnected sections

serve 6 stations with angles of up to 80°. The 152 synchronised, energy-independent cabins can transport up to 3,000 passengers per hour in each direction, at a speed of 18 km/h.

The aerial tramway in numbers:

Length: 3,456 metres

Vertical rise: 121 metres

Rated speed: 5 metres/second, or almost 18 km/h

Total travel time: approx. 17 minutes from Bonsucesso to Fazendinha

Cabin type: Diamond

Cabin capacity: 10 passengers

Number of cabins: 152 synchronised and power-independent cabins thanks to the solar panel that supplies the lighting and radio communications systems.

Number of towers: 24

Capacity: 2,800 passengers/hour in each direction

Cost of electro-mechanic equipment and POMA services: 20 million Euros

Le Groupe LEITNER-POMA en bref

Using the in-depth experience and know-how acquired over the course of several decades in the ski lift industry, the LEITNER-POMAGroup has become one of the world leaders in ropeway transport systems. Around the world, LEITNER and POMA have demonstrated their know-how and expertise in the field of urban ropeway transportation. Gondola lift, MiniMetro, funicular, incline elevator, aerial tramway... a multitude of urban transit solutions offered by the LEITNER-POMA Group provide users with the benefit of the latest technology and the future of public transport.

www.leitner-lifts.com

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