

The POMA Group is offering a world premiere with its new aerial tramway in Rio de Janeiro

In June 2011, the POMA Group, leader in ropeway transportation, will commission its new aerial tramway in Rio de Janeiro (Brazil): the longest urban gondola lift in the world, with unique equipment, connecting the Alemão neighbourhood in the northern section of the city to the city centre. After Medellin and New York, POMA came to Rio de Janeiro to build a fast and economical transport solution that respects the environment with very low CO₂ emissions.

Brazil is undergoing a multitude of changes and has proven to be a country that counts. Its growing population and booming economy have made Brazil the world's seventh largest economy.

After winning the bid for the 2016 Olympic Games in Rio de Janeiro, Brazil has witnessed unprecedented

modernisation which should benefit the entire population. This rapid growth fully integrates the sustainable development process.

A project with multiple issues

The logic behind the Complexo do Alemão aerial tramway built by the POMA Group stems from this process.

This new installation fully meets two, very high expectations:

- The first is to ensure reliable, safe and continuous passenger transport from several neighbourhoods. Indeed, up to now, these communities were almost cut off because of the hilly terrain and a population density that made the development of ground transit impossible. The overhead transport solution offered by the POMA aerial tramway provided the best answer to this problem.

- The second issue is to take into consideration the importance of sustainable development in today's urban transit solutions. POMA aerial tramway technology is the best choice since it is the method of transport that leaves the lowest ecological footprint. The ratio of air pollutant emissions to number of passengers transported is the best in the field.



Photo © K. Thibaudon / POMA

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It comes as no surprise that big cities such as New York, Medellin, Taipei and now Rio de Janeiro have placed their bets on this forward looking solution. A solar panel is installed on each of the cabins thus achieving energy self-sufficiency for on-board lighting, sound and video surveillance systems.

To carry out this extraordinary project, reaching a total of 20 M€ for POMA, the European leader in ropeway transportation entered into a partnership with the Brazilian consortium Rio Melhor, comprised of

the companies Odebrecht – OAS – Delta. This new aerial tramway is a world first owing to its technical characteristics and the complexity of its installations: 3,416 meters of line in the middle of steep terrain, 5 interconnected sections serving 6 stations, 24 towers, 152 synchronised cabins, 3,000 passengers per hour in each direction, at a line speed of 18 km/h. And so, every day several tens of thousands of passengers will be travelling comfortably in the 10-passenger Diamond cabins.

This is an example of a genuine technological challenge, found nowhere else in the world, requiring the expertise and experience brought by POMA and the Odebrecht – OAS – Delta consortium to design and build such an extraordinary lift in only 24 months.

Soon, the 300,000 inhabitants of the Alemão neighbourhoods will be able to reach the Bonsucesso intermodal station within 17 minutes instead of the hour it used to take, providing everyone with access to true urban mobility.

The LEITNER-POMA Group in brief

Using the in-depth experience and know-how acquired over the course of several decades in the ski lift industry, the LEITNER-POMA Group 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.

More information: www.leitner-lifts.com & www.poma.net

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