



# POMALINK

OCTOBER 11



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POMAGALSKI NEWSPAPER

BRAZIL

## RIO THE ROPEWAY SECTOR MEETS IN RIO DE JANEIRO

The event, which is organized every six years by the OITAF, is taking place for the first time in Latin America at the foot of one of the world's most favorite postcard subjects, the "Pão de Açúcar" (Sugarloaf).

With a perfect view over Rio de Janeiro and its famous sights, such as the statue of Christ the Redeemer, the Copacabana and of course the Sugarloaf itself, the location of the POMA lounge will lie high above the intermediate station, the "Morro da Urca".

Located directly next to the conference rooms, the visitors will be able to enjoy the relaxed atmosphere of Brazil with refreshing cocktails and drinks - a preview of the fresh and relaxing trip you will experience in our new air-conditioned cabins.

In addition, the OITAF in conjunction with POMA, is happy to offer an excursion on the new POMA "Complexo do Alemão" aerial tramway. This new cable transportation system is the longest urban ropeway in the world and connects the Alemão district in the north with the city center.



▲ THE G2 STATION - ADEUS, AT THE END OF GUANABARA BAY

This installation boasts technical characteristics and design complexity that make it unique in the world - 3,456 meters of line, 24 towers surrounded by rugged terrain. For the first time, 5 interconnected sections serve 6 stations with angles of up to 80°. The 152 synchronized cabins can transport up to 3,000 passengers per hour in each direction. With the exception of motorcycle taxis and minibuses, there was no public transportation before the new ropeway, and because of the many traffic jams, the routes were long and

unpredictable. The difficult connection with the suburban railway network represented a genuine problem for the city of Rio de Janeiro and its millions of inhabitants. On a daily basis, several tens of thousands of people now reach Bonsucesso Station in 17 minutes instead of the old hour-long trip.

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. This aerial tramway is the cornerstone for urban

and social development, with stations serving public service areas (cultural activities office, library, driving licenses and registration administrative services, banks, social workers and legal assistance). ■

EDITORIAL

## WELCOME AND ENJOY THE CONGRESS!

This tenth OITAF congress, in the heart of Rio de Janeiro, is the perfect opportunity for players in the cable industry to promote the know-how that is rocking the world of public transportation. My fellow conventioners, on the morning of the 26th of October, when you will find yourselves inside our "Complexo do Alemão" Multix 10 gondola lift, the aerial tramway connecting 5 Rio districts, POMA teams will enjoy an emotional moment. This emotion is even more special since we can now announce the construction of a second aerial tramway in Rio: the "Morro da Providência". This is a great time for us to salute Odebrecht acting as agent for the consortia Rio Melhor and Rio Faz, with whom we build these large-scale projects.

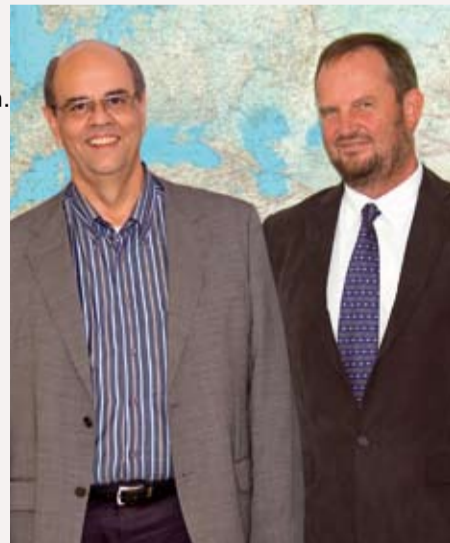
Beyond the incredible technical performance and innovation that went into this installation, our pride lies in having brought a solution to the population of these districts that simplifies their everyday life. Be it in Rio, New York, Medellin, Algiers, Bolzano or Nizhny Novgorod, cable transportation is much more than just an amazing layout of sheaves and ropes. It is an innovative solution that adapts to the need for smooth, clean, safe and highly available transportation. It meets the challenges of sustainable development and provides a solution to the generalised gridlock eating away at the populations of high-density cities. These cities now have the opportunity to provide a sustainable, efficient and modern alternative in urban transportation.

All over the world, for tourism, urban, industrial or scientific applications, POMA is present and brings the expertise needed for the well-being of those we carry.

Seeing a child smile and observing the tranquillity of adults taking our aerial tramway gives meaning to its technicity and powers a world of possibilities. POMA has firmly decided to go down this road and is ready for the long haul.

Enjoy the congress!

Jean Souchal, POMA C.E.O.



▲ JEAN SOUCHAL AND LUIZ DE SOUZA, COMPLEXO DO ALEMÃO DIRECTOR (SUPERVIA), WHEN VISITING POMA TO SET UP THE MAINTENANCE ASSISTANCE PROGRAMME FOR RIO'S AERIAL TRAMWAY



▲ LEAVING ADEUS STATION



# URBAN

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## 🇧🇷 RIO "COMPLEXO DO ALEMÃO"



▲ LEAVING INTERMODAL BONSUCESSO STATION



▲ BAIANA

- 3 456 m
- 121 m
- 152
- 10
- 2 800 pph
- 5 m/s



▲ AERIAL VIEW OF THE STATIONS: BAIANA, ALEMÃO, ITARARE AND PALMEIRAS

# 1+1=2

Rio signs a 2<sup>nd</sup> aerial tramway!  
After the Complexo do Alemão, the second POMA aerial tramway, "Morro da Providência", will be installed in the heart of Samba City, the third most visited area in Rio after the Corcovado and Sugarloaf Mountain. To open by the end of 2012.

## 🇨🇳 CHINA

# HUANGSHIZHAI

## ECO-PERFORMANCE FOR EXCEPTIONAL LANDSCAPES



▲ THE MULTIX 10 IN THE MIDDLE OF UNWORLDLY LANDSCAPES, CLASSIFIED AS A UNESCO WORLD HERITAGE SITE!

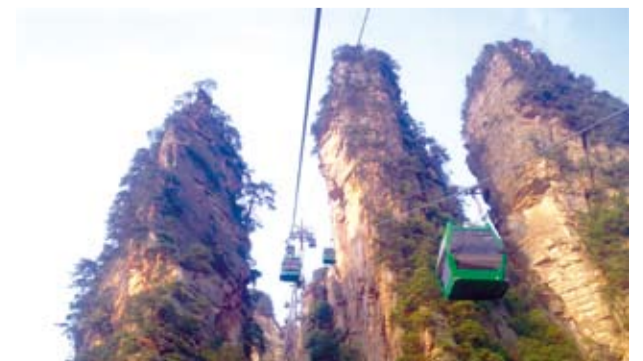
Classified by UNESCO as a World Heritage Site, this location with these unearthly landscapes like something out of Avatar, wanted to provide its ever-growing number of visitors with an unforgettable experience. Goal... Strongly increase service quality and capacity by providing an "eco-friendly" solution. The key of our success was the performance and modularity

of the MULTIX gondola lift, making it possible to triple the transport capacity of the old lift while respecting the natural site.

Today passengers are taking advantage of the outstanding comfort and extraordinary views provided by the panoramic Diamond 8 cabins, especially equipped with glass floors... taking your breath away with the 360° view. ■

# 1 year... 1 million!

...passengers have been transported since the MULTIX POMA gondola lift was opened.



▲ 243 ROCKY SPIKES MAKE UP THIS ONE-OF-A-KIND MOUNTAINOUS TERRAIN

# SNOW

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 **KOREA**

## VIVALDI PARK GLOBAL VISION

Building a new resort is first and foremost developing a vision...

A vision imagining a new area, developing it, activating it and sizing it for the future.

A vision that must be global and durable for the ideal ski area.

Widespread, the layout of this site made it possible to bring out a coherent range of 10 lifts, demonstrating the advantages and modular performance of MULTIX solutions.

This is the key to a complete and tailored solution servicing management efficiency.

Since 1994 the DAEMYUNG Leisure Co. has trusted the MULTIX POMA solution to successfully develop and operate this new generation ski area.









▲ OVERVIEW OF THE STATION

# 10!

MULTIX POMA gondola lifts and chairlifts installed in Vivaldi Park since its creation in 1994.



▲ MULTIX 10 DEPARTURE STATION

-  1 190 m
-  294 m
-  42
-  8
-  2 400 pph
-  6 m/s

 **BULGARIA**

## SNEZHANKA PAMPOROVO RECORD LENGTH, \*\*\*\* COMFORT

# 2 x 1<sup>st</sup>!

Dual premiere in Bulgaria! 1<sup>st</sup> Bubble chairlift installed, and the record for the longest MULTIX 6 Bubble chairlift built to this day!



▲ THE MULTIX 6 BUBBLE DEPARTURE STATION

In the heart of the Rhodopes mountains, Snezhanka Pamporovo, the pearl of Bulgarian mountain tops is making it happen! With the new MULTIX 6 Bubble chairlift, the resort is doubling its firsts: 1<sup>st</sup> bubble chairlift in Bulgaria and 1<sup>st</sup> bubble chairlift moving at 6 m/s! 2,992 m long and 116 carriers: this impressive lift is the biggest 6-seater detachable grip bubble chairlift ever built by POMA.

The skiers take advantage of ideal comfort in their well-protected panoramic bubble while outside harsh conditions are raging. Connecting the foot of the resort to the summit, this structured lift opens up new areas for skiers. It has also become the vector in the area's development with the creation of a second resort centre. ■



▲ THE ARRIVAL STATION



# SCIENCE & INDUSTRY

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FRANCE

## GRENOBLE

### ATOMIC ENERGY & ALTERNATIVE ENERGIES COMMISSION

#### WORLD PREMIERE AT THE CEA

At the heart of the research centre, a funicular railway unlike no other connects the cleanrooms from two buildings holding laboratories.

Classified as "ultra clean/Air Iso 6", these cleanrooms are highly protected from intrusions of dust and micro particles. The POMA cabin, baptised the "clean-clean" cabin, is a high-tech gem. Equipped with a clean air shower, it is sealed and moves in a controlled environment. The funicular railway is automatic and designed for extremely precise berthing. It operates on demand, like an elevator, and transports 12 researchers and their ultrasensitive microelectronic components smoothly at a speed of 5 m/s. This innovative and futuristic technology has already found several applications in the hospital and industrial sectors. ■



▲ WELCOME TO THE "AIR ISO6" AREA



▲ IDEAL INTEGRATION IN THE HEART OF THE CEA

- 250 m
- -
- 1
- 12
- -
- 5 m/s



▲ THE "CLEAN-CLEAN" CABIN IN ACTION, ALONG THE 250 M LONG CONCRETE RAIL

FRANCE

## GIGNAC FLYING BELT, AGUDIO

In the Henry Leygue quarry in Pouzols, France, 30 km (19 miles) from Montpellier, the first innovative "Flying Belt" ropeway by AGUDIO was recently commissioned for operation.

The material from the new quarry is now transported directly over the Herault River to the main site for further processing and interim storage. One of the main advantages of this new system is no longer being required to use the 10 km (6 mile) long road to transport the material by truck. With a speed of 1.5 m/s (3.4 mph), the "Flying Belt" transports 100 metric tons per hour, over a total distance of 230 meters (755 feet). The silent installation, with or without the excavated material, is impressive. The system can ensure normal operation in heavy winds up to 80 km/h (50 mph). This stability is provided by the aerial conveyor belt and the four carrying cables. Line maintenance is very simple thanks to the remote-controlled maintenance vehicle. The Protec remote control is manufactured by SEMER. ■



▲ EXCELLENT OBSTACLE CLEARANCE CAPACITY

▼ A SIMPLE SOLUTION USING EFFICIENT AND DURABLE TECHNOLOGY

The "Flying Belt" combines the operational simplicity and reduced operating costs of a belt conveyor with the flexibility and adaptability of a ropeway.

