

## **GdE Consortium successfully operated the partial operation of the Panama Metro Line 2**

**Panama, January 31, 2019** – The consortium Grupo de Empresas (GdE), led by Alstom with Thales, Sofratesa, CIM and TSO, delivered the integral railway system for the partial service of the Panama Metro Line 2 in a record time of 40 months, in time for the World Youth Day.

Line 2, which is more than 90% complete, operated successfully to help people transportation to the event, held in the Panamanian capital from January 22 to 27. The temporary and partial opening provided service in 5 of the line's 16 stations: Corredor Sur, Pedregal, San Antonio, Cincuentenario and San Miguelito.

The GdE consortium worked in collaboration with Metro de Panama authorities to provide users with an excellent service, with 24 hours monitoring during the World Youth Day celebrations to address any contingency.

In 2014, Metro de Panama awarded the Line 2 project to the Odebrecht-FCC consortium (CL2), which subcontracted the design and construction of the integral railway system to GdE consortium, including the supply of 21 Metropolis trains, as well as traction substations, which incorporate Hesop, reversible substations and Urbalis signaling system (Alstom's CBTC solution, which controls the trains movement and allows higher frequencies and operation speeds with total safety). The integral railway system also includes track systems, 44 km of concrete slab track, 50 km of mainly rigid catenary as well as workshop equipment, plus telecommunications and centralized control systems.

It is estimated that the commercial operation of Panama Metro Line 2 will begin in early May, after the conclusion of the last works. With a length of 21km long and 16 stations, Line 2 will interconnect with Line 1 and will be able to transport up to 40,000 passengers per hour in each direction.

The GdE Consortium has been present in Panama since the beginning of Panama Metro Line 1 project in 2010 and has played a key role in the development of urban transport infrastructure in the country.

### **About Alstom**

*As a promoter of sustainable mobility, Alstom develops and markets systems, equipment and services for the transport sector. Alstom offers a complete range of solutions (from high-speed trains to metros, tramways and e-buses), passenger solutions, customised services (maintenance, modernisation), infrastructure, signalling and digital mobility solutions. Alstom is a world leader in integrated transport systems. The company recorded sales of €7.3 billion and booked €7.2 billion of*

orders in the 2017/18 fiscal year. Headquartered in France, Alstom is present in over 60 countries and employs 34,500 people.

[www.alstom.com](http://www.alstom.com)

#### **About Thales**

*The people we all rely on to make the world go round – they rely on Thales. Our customers come to us with big ambitions: to make life better, to keep us safer. Combining a unique diversity of expertise, talents and cultures, our architects design and deliver extraordinary high technology solutions. Solutions that make tomorrow possible, today. From the bottom of the oceans to the depth of space and cyberspace, we help our customers think smarter and act faster – mastering ever greater complexity and every decisive moment along the way. With 65,000 employees in 56 countries, Thales reported sales of \$18 billion in 2017.*

[www.thalesgroup.com](http://www.thalesgroup.com)

#### **About Sofratesa**

*telecommunications and mass transport fields in Latin America, is currently stablished as a leader in this area, thanks to the contribution of resources and specialized human capital that make possible the activities of design, installation, management, operation and maintenance of high-tech infrastructures.*

*Our commitment is the development of activities and processes under high quality standards, safety and the technological vanguard, which have allowed the satisfaction of our customers and enhanced people's life quality.*

*Currently, Sofratesa has a multicultural workforce of more than 1,000 employees, with active presence in major projects in various countries of Central America, South America and the Caribbean, with the support and recognition of business partners under a commitment of ethics and corporate responsibility.*

*To know more about us, visit [www.sofratesa.com](http://www.sofratesa.com)*

#### **About CIM (Compagnie Internationale de Maintenance)**

*For more than 40 years, CIM has exported its experience and know-how to the largest companies in rail transport, urban transport and mining networks in more than 120 countries.*

*CIM acts on all continents, carries out railway infrastructure construction projects, designs and manufactures equipment for maintenance workshops, guarantees the durability of the works and the rolling stock through maintenance operations and the supply of spare parts. Some of the latest achievements: Santo Domingo and Panama metro lines, the first Latin American VLT in Cuenca (Ecuador), TER in Dakar (Senegal) and SNCFT diesel locomotives in Tunisia (with Progress Rail).*

[www.cimgroupe.com](http://www.cimgroupe.com)

#### **About TSO (NGE Group)**

*Taking advantage of more than 90 years of experience in France and in the International level, TSO brings its experience for all railway works and systems (construction, renovation and maintenance of railways, electrification and remodeling of catenaries, topography and development of railway software, railway security...). Oriented towards technological innovation, TSO supports the search for improvements by combining quality, efficiency of services and employee safety. The development of synergies between the disciplines of TSO and the complementary disciplines of NGE allows the group to propose a global offer around the world. With more than 11 000 employees, NGE continues to*

*expand its multi-expertise skills, through sustainable involvement in all types of infrastructures projects, around the world.*

[www.nge.fr](http://www.nge.fr), [www.tso.fr](http://www.tso.fr)

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