

## **Alstom increases capacity in the FENOCO network thanks to a second phase of implementation of the ITCS System**

**May 23 2019** - Alstom successfully completed the setup of a new phase of the ITCS system in the new network sectors of Ferrocarriles del Norte de Colombia (FENOCO), which will maximize the performance of its freight trains, improving the control mechanisms in complete security in the operation. With two months in advance, the delivery of this signalling solution will expand the transport capacity of the concession that operates the roads to transport coal from the mines in the north of the country.

The incremental train control system (ITCS) installed in 246 km of the FENOCO network, was adjusted and improved by Alstom, in addition to being successfully implemented in the new sectors that add an estimated 18 kilometres of new double tracks in this route. This block-based virtual signalling system uses a GPS receiver, which determines the location in real time and which, therefore, allows increasing traffic. In addition, it eliminates the need to install detection mechanisms and can control the maximum speed with which the train circulates, ensuring the safety of the means of transport.

*"With the start-up of the ITCS system, we reaffirm our commitment to provide signalling solutions that improve the transport and productivity conditions of our customers. The delivery before the deadline is a demonstration of Alstom's commitment to its customers' objectives; this also supports the development of infrastructure in the northern part of the country, offering a safe and reliable system",* said Edouard Vagogne, Project Office Managing Director for North LAM at Alstom.

ITCS by Alstom meets the need to operate rail networks in places with conditions that make it difficult to control freight trains. Since 2001, this system has accumulated 1.7 million accident-free service hours in places such as the Tibetan Plateau, the desert area of Australia and north part of Colombia.

Alstom has been present in Colombia since 1952, actively participating in the development of the country's national infrastructure, providing solutions that improve the management of operators in the passenger and cargo transport sector.

### **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 €8.1 billion and booked €12.1 billion of orders in the 2018/19 fiscal year. Headquartered in France, Alstom is present in over 60 countries and employs 36,300 people.*

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