

## **Supply of ATS System to the Suburban Railway Network of Buenos Aires, Argentina**

Japan Bank for International Cooperation (“JBIC”) and Argentinian Government have signed a Loan Agreement on May 19, 2017 to provide a financial loan for a contract between Marubeni Corporation (“Marubeni”) and Argentinian Railway (Administración de Infraestructuras Ferroviarias S. E., “ADIF”) to supply an ATS (Automatic Train Stop) system to the suburban railway network of Buenos Aires. Marubeni will supply the ATS system manufactured by Nippon Signal Co., Ltd. (“Nippon Signal”) for the 280 trains of the suburban lines.

Since President Macri took office in December 2015, a large-scale infrastructure plan has been developed and the Government is actively inviting foreign investment in the country. Thus in 2016 during the summit meeting between Prime Minister Abe and President Marci of Argentina one of the topics discussed was the promotion of Japanese technology export with the support of JBIC and Nippon Export and Investment Insurance (“NEXI”). The contract between Marubeni and ADIF is a real example of such efforts of the two Governments, where JBIC is co-financing the project with Deutsche Bank AG, Tokyo Branch (“Deutsche Bank”), and NEXI is providing insurance for the loan.

Marubeni in its turn has a track record of supplying ATS systems in 1981 and 2015, both times for the Roca Line which has the largest volume of passengers per year. These have contributed to the safe operation of the railway for more than 30 years. In the near future, with the new ATS system installed across the whole suburban network, the safety and the accuracy of railway operations will be substantially improved. The ATS system is also expected to eventually lead to the alleviation of chronic traffic jams in Buenos Aires and the improvement of people’s lives.

Marubeni will continue to contribute to further economic growth in Argentina through railway infrastructure development projects in the future.

- About ADIF:

Location: Buenos Aires, Argentina.

Establishment: 2008

Industry: Purchase, maintenance and management of the suburban railway network infrastructure

- Buenos Aires Suburban Network:

A railway network of more than 700km consisting of 8 lines (Roca line, Sarmiento line, San Martin Line, Belgrano North Line, Mitre Line, Urquiza Line, Belgrano South Line, Tren de la Costa)

- ATS=Automatic Train Stop

A railway signaling system that applies brakes automatically to stop the train from collision.



Buenos Aires suburban network

- Roca, ■ Sarmiento, ■ Mitre
- San Martín, ■ Belgrano South
- Tren de la Costa

The map above represents 6 lines (out of the 8 lines where the ATS equipment will be installed) which are operated by SOFSE (National Railway Operator): Roca line, Sarmiento line, San Martín line, Mitre line, Belgrano South Line and Tren de la Costa). The remaining 2 lines (Belgrano North and Urquiza line) are operated by private concessionaire.

(Source: SOFSE)



ATS on board equipment  
(Source: Nippon Signal)



ATS wayside equipment  
(Source: Nippon Signal)



Roca Line railcars

Left: Railcar made in Japan (from 1985)

Right: Railcar made in China (from 2015)

(Source: Marubeni)