

Alstom's Chinese joint venture wins Shenzhen airport APM operation and maintenance contract

- This contract shows the confidence of the customer in the principle of the BOM – Build Operate Maintain
- New generation of reliable and eco-friendly Innovia APM will help Shenzhen airport meet growing passenger numbers

24 September 2021 – Alstom's Chinese joint venture, CRRC Puzhen Bombardier Transportation Systems Limited (PBTS)¹, has signed a contract with Shenzhen Airport Co. Ltd. to provide Operation & Maintenance (O&M) service for the Automated People Mover (APM) system which is in Trial-Run and will enter service in November, 2021. The value of the contract is worth approximately €28 million (215 million CNY incl. VAT).

Under the terms of the contract, PBTS will be responsible to deliver the operation and maintenance for Shenzhen Airport APM System, including preventive maintenance and corrective maintenance of vehicles and core electromechanical equipment of the APM system for five years. The Innovia APM 300 system runs on a 3.2 km APM line connecting an airside satellite to Shenzhen Airport's existing Terminal 3, which has seen rapid passenger growth, surpassing 52 million passengers by the end of 2019, making Shenzhen Airport one of the busiest international airports in China.

"The Innovia APM 300 system is one of our leading airport and urban transportation solutions. It is the ideal passenger mobility solution for China's fast-growing airports, and I'm confident that we will see more Alstom APM systems in other Chinese airports and cities in the near future. We appreciate Shenzhen Airport authorities' trust and support, and our state-of-art solution and experienced service delivery team will ensure that travelers arrive safely, comfortably and with optimal reliability at their destinations," said Jianwei Zhang, President of Alstom China.

In 2018, PBTS was awarded the contract from the customer to provide an Innovia APM 300 system to Shenzhen Airport. Bombardier NUG Signalling Solutions Company Limited (BNS)², – Alstom Signalling joint venture in China – provides signalling systems Cityflo 650 to Shenzhen Airport APM. Bombardier NUG Propulsion System Co., Ltd. (BNP)³, Alstom propulsion joint venture in China has provided the propulsion equipment for the APM 300 trains.

Alstom has already supplied APM systems to Beijing Capital International Airport, Chengdu Airport, Shenzhen Airport, Shanghai Metro Line 8 and Guangzhou Zhujiayincheng, and is also currently delivering an Innovia APM 300 system to Hong Kong Airport. Alstom's APM technology will be in service in China's six largest urban centres.

The driverless Innovia APM is a transportation system specially designed to serve airports and dense urban areas. It offers quick, comfortable and convenient service for commuters within cities, to and from airports, or between airport terminals. Innovia APM cars operate on a dedicated guideway underground, on ground level or elevated. This ensures a consistent service

¹ CRRC Puzhen Bombardier Transportation Systems Limited is owned at 50% by Alstom Group and is consolidated by equity-method. The 50% share in net income of CRRC Puzhen Bombardier Transportation Systems Limited is included into Alstom aEBIT.

² Bombardier NUG Signalling Solutions Company Limited is owned at 50% by Alstom Group.

³ Bombardier NUG Propulsion System Co., Ltd. is owned at 50% by Alstom Group.

that does not interfere with surrounding road or runway traffic. Built on 50 years of successful and dependable subsystems for optimised functionality. Over 30 of Alstom's APM systems have been delivered around the world and are in operation at 12 of the world's busiest airports.

Present in China for over 60 years, Alstom has been participating in the full spectrum of railway projects. With the completion of Bombardier Transportation effective 29 January 2021, Alstom in China now has a complete range of rolling stock (high-speed trains, railway passenger cars, locomotives, metros, automated people movers, monorails and trams), customised services, as well as infrastructure and signalling solutions. Alstom China has thirteen joint ventures, seven wholly foreign-owned enterprises and over 11,000 employees. Together, the joint ventures have delivered more than 5,900 railway passenger cars, 1,530 electric locomotives, 7,194 metro cars, 536 monorail cars, 168 automated people mover cars and 191 tram cars to China's growing rail transit market as well as to overseas markets. In China, Alstom also provides customers with a wide range of services solutions, from heavy maintenance to modernisations and has 2,252 metro cars under maintenance contracts. It is a major signalling supplier to the Chinese high-speed network, and through its joint ventures, its signalling systems are utilised in 102 urban mass transit lines and its propulsion equipment is applied in 100 metro lines in Chinese cities.

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About Alstom

Leading societies to a low carbon future, Alstom develops and markets mobility solutions that provide the sustainable foundations for the future of transportation. Alstom's product portfolio ranges from high-speed trains, metros, monorails and trams, to integrated systems, customised services, infrastructure, signalling, and digital mobility solutions. Alstom has 150,000 vehicles in commercial service worldwide. With Bombardier Transportation joining Alstom on January 29, 2021, the enlarged Group's combined proforma revenue amounts to €14 billion for the 12-month period ended March 31, 2021. Headquartered in France, Alstom is now present in 70 countries and employs more than 70,000 people.

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