

Alstom's Chinese joint venture to supply advanced traction system to Nanjing Metro Line 6

- **This contract reinforces Alstom's leading position in traction systems in China**
- **SATEE's presence in Nanjing will be extended to a larger fleet size (1308 metro cars)**

12 July 2022 – Alstom's Chinese joint venture, Shanghai Alstom Transport Electrical Equipment Co. Ltd. (SATEE)¹, has been awarded a new contract by Nanjing metro and CRRC Puzhen to provide the state-of-the-art train traction and auxiliary system for 258 metro cars that will run on Nanjing Metro Line 6 in Jiangsu province, China.

Under the terms of the contract, Alstom will provide the Opt-ONIX traction system, which was specifically designed and developed for the Chinese market. It includes traction inverters, motors, and auxiliary converters. The Opt-ONIX system is designed to improve operational performance and reduce life cycle costs by featuring a lightweight and compact design by using regenerative electrical braking. All traction systems are manufactured by Alstom's joint venture, SATEE in China with support from Alstom sites in Belgium, France and India. Alstom's joint venture in Xi'an, Xi'an Alstom Yongji Electric Equipment Co., Ltd. (XAYEECO)² will supply the traction motors. With full speed, Alstom will deliver the first train traction equipment within 2022.

The Nanjing Line 6 is a key metro line in Nanjing's metro network. It is 32 kilometres long with 19 stations connecting the airport link (S1) in which Alstom also supplied the traction system for its metro cars. According to the long-term metro network development plan of Nanjing, Line 6 will have interchange stations with 11 metro lines in the future.

"We are proud to further extend the presence of Alstom China in Nanjing and contribute to its city rail transport network. This is another clear demonstration of the customer's trust and high recognition in Alstom's expertise and competency. As a global leader in sustainable mobility, Alstom is committed to deliver high quality transport solutions with proven world advanced and innovative technologies to Nanjing," said Henry Wang, Managing Director of Alstom China.

Alstom's footprint in Nanjing as a major supplier of metro cars, traction systems, signalling systems and services has been for more than 20 years. So far, Alstom has supplied 456 metro cars for Nanjing Line 1, Line 2 and their respective extensions, traction systems for the 852 metro cars of Nanjing Line 4, 7, 10, S1 and S3, signalling systems for Ningtian Intercity Line, and traction overhaul services for Nanjing Lines 1 and 2.

Present in China for over 60 years, Alstom participates in the full spectrum of China's railway projects. Alstom in China now has a complete range of rolling stock (high-speed trains, railway passenger cars, locomotives, metro, automated people movers, monorail and trams), state-of-the-art components (traction systems, bogies, traction motors, dampers), customised services as well as infrastructure and signalling solutions.

Alstom in China has eleven joint ventures, seven wholly foreign-owned enterprises, and over 10,000 employees. Together, the joint ventures have delivered more than 6,000 railway passenger cars and 1,530 electric locomotives, 7,194 metro cars, 808 monorail cars, 136 automated people mover cars, and 191 tram cars to China's growing rail transit market as well as to overseas markets. In China,

¹ Established in 1999, Alstom holds 60% of the shares.

² Established in 2006, Alstom holds 51% of the shares.

Alstom also provides customers with a wide range of services solutions, from heavy maintenance to modernisations, and currently has 3,258 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 and propulsion equipment are utilised in more than 100 urban mass transit lines.



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About Alstom

Leading societies to a low carbon future, Alstom develops and markets mobility solutions that provide sustainable foundations for the future of transportation. From high-speed trains, metros, monorails, trams, to turnkey systems, services, infrastructure, signalling and digital mobility, Alstom offers its diverse customers the broadest portfolio in the industry. 150,000 vehicles in commercial service worldwide attest to the company's proven expertise in project management, innovation, design and technology. In 2021, the company was included in the Dow Jones Sustainability Indices, World and Europe, for the 11th consecutive time. Headquartered in France and present in 70 countries, Alstom employs more than 74,000 people. The Group posted revenues of €15.5 billion for the fiscal year ending on 31 March 2022.

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