

Hanoi Metro Line 3 to start passenger service with Alstom's first integrated system in Vietnam

- **Upon completion, the full line will extend to 12.5 kilometres with a total of 12 stations, enhancing access for 1.6 million residents of Hanoi city**
- **The Metropolis system is designed to enhance passenger experience and comfort, with a peak capacity of 23,900 passengers per hour per direction**
- **Equipped with the advanced Urbalis 400 Communications Based Train Control (CBTC) solution, the Hanoi Line 3 will significantly improve connectivity, reduce travel time, and ensure reliable service to meet the increasing mobility demands of Hanoi residents**

8 August, 2024 – Alstom, a global leader in smart and sustainable mobility, announces the entry of the elevated section of Hanoi Metro Line 3 into revenue service. The new line, operated by Hanoi Metro Company (HMC), will be officially inaugurated in September 2024 and is currently open for free public trial.

The first stage of the project covers 8.5 kilometres and includes eight stations on the elevated section. Once complete, the full line will extend to 12.5 kilometres with a total of 12 stations and enhance access for 1.6 million residents across six districts of Hanoi city. At full capacity, the integrated metro system is expected to carry more than 23,900 passengers per hour per direction.

In 2017, Alstom, as leader of a consortium including Colas Rail and Hitachi Rail, was awarded a contract to supply an integrated metro system for Hanoi Metro Line 3. Alstom's share covered the supply and integration of the metro system, including ten four-car Metropolis trains and the Urbalis 400 CBTC system^[1], as well as the delivery of power supply and depot equipment together with partner, Colas Rail. This project was made possible thanks to the French government, including the Ministry of Economy and Finance and Directorate General of the Treasury, the French Development Agency, the European Investment Bank and the Asian Development Bank.

Mr. Nguyen Cao Minh, General Director, Hanoi Metropolitan Railway Management Board (MRB) said, "We want to bring reliable, safe and efficient transport solutions for commuters in Hanoi and with our strategic partnership with Alstom, Hanoi Line 3 is introducing a world class metro system to our commuters, helping improve Hanoi's transportation systems."

Toby Tiberghien, Managing Director, East Asia, Alstom, said, "At Alstom, we're committed to transforming mobility in Vietnam with smarter, greener, and more efficient solutions for everyday commuters. Our expertise in turnkey projects has been crucial in successfully delivering this complex metro project, featuring eight elevated and four underground stations. The start of Hanoi Line 3 operations showcases our dedication to meticulous planning and engineering, ensuring that passengers in the nation's capital enjoy safe, efficient, and comfortable journeys every day. I'm proud to see our emblematic Metropolis™ thriving in the vibrant and iconic city of Hanoi, a hub of economic and cultural richness. We

thank H.E. Olivier Brochet, French Ambassador to Vietnam, the French and Vietnamese authorities, and all those who have made this project possible,”

The Hanoi metro system was designed with the passenger at heart. The four-car Metropolis trains for Hanoi Metro Line 3 feature wide doors to facilitate passenger flow, dedicated space for passengers with reduced mobility, as well as ergonomic and easy-to-grab bars. The trains are made with lightweight aluminium car bodies, reducing energy consumption and making it more sustainable. Furthermore, the train’s exterior and interior colour schemes take local Vietnamese inspiration and include motifs such as dragon fruit and the rice paddy field designs, which enhance cultural relevance and aesthetic appeal.

The Hanoi metro is one of Alstom’s projects, which was designed and manufactured in France for international markets. The metro is a showcase of French industrial expertise. It involves six Alstom sites in France: Valenciennes for the design and manufacture of the metros, Ornans for the engines, Le Creusot for the bogies, Tarbes for the electrical cabinets and traction systems, Saint-Ouen for the Urbalis 400 signalling solution and Villeurbanne for the onboard computerised systems, passenger information and signalling equipment.

Alstom’s turnkey expertise in metro systems

Alstom has an extensive portfolio of capabilities and technologies to build turnkey metro systems to every city’s requirement. Currently, 19 projects around the world benefit from Alstom’s integrated metro solutions, ensuring fast and cost-efficient delivery. Alstom has already delivered several high-profile metro systems globally, from Panama and Mexico City to Lausanne and Singapore.

Alstom’s Metropolis metro solutions

The new metros for Hanoi are part of Alstom’s market-leading Metropolis metro solutions, designed to keep cities breathing for over 60 years. More than 80 customers worldwide operate metros made by Alstom. For more information on Metropolis metros, please visit:

<https://www.alstom.com/solutions/rolling-stock/metropolis-metros-keeping-your-city-breathing>

Alstom in Vietnam

Alstom has built up close to 30 years of presence in Vietnam and has since contributed to the development of the country’s modernisation plan in railway solutions. It has provided signalling and telecommunication system modernisation services for the Hanoi-Vinh regional line phase one and phase two and has offered signalling and telecommunication systems for Ninh Binh station.

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About Alstom

Alstom commits to contribute to a low carbon future by developing and promoting innovative and sustainable transportation solutions that people enjoy riding. 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. With its presence in 64 countries and a talent base of over 84,700 people from 184 nationalities, the company focuses its design, innovation, and project management skills to where mobility solutions are needed most. Listed in France, Alstom generated revenues of €17.6 billion for the fiscal year ending on 31 March 2024.

For more information, please visit www.alstom.com.

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