

Siemens Mobility to install CBTC on Jurong Region Line in Singapore

- **Communications-Based Train Control (CBTC) signaling system to be installed on 24km of elevated Jurong Region Line in Singapore**
- **Half-height Platform Screen Doors to be installed at 24 stations throughout line**
- **The intelligent infrastructure will provide greater availability, enhanced operations, and will improve passenger experience**

Siemens Mobility has been awarded a contract of approximately 135 million Euros by the Singapore Land Transport Authority (LTA) to install an automatic train control signaling system and half-height platform screen doors on the Jurong Region Line (JRL). Siemens Mobility will utilize its Trainguard Sirius solution and modern interlocking product Westrace to implement a Communication Based Train Control (CBTC) signaling system across the entire 24 kilometers of track. In addition, Siemens Mobility will install platform screen doors at the 24 stations being built, which will support the GoA 4 automation of the line and allow for full unattended/automatic train operation. The project has been designed by an international team of Siemens Mobility in Singapore and Spain.

“We are delighted to have the opportunity to build on our existing technology partnership with Singapore’s Land Transport Authority and deliver intelligent mobility solutions that support Singapore’s continued efforts to effectively manage their urban development,” said Michael Peter, CEO of Siemens Mobility. “The state-of-the-art CBTC signaling technology for the Jurong Region Line will allow this new rail option to operate with superior availability and automation, featuring a high degree of service reliability and passenger experience.”

The JRL is currently under development and once completed will be Singapore's seventh MRT line. The line will be comprised of three branches, 24 stations, and span 24 kilometers of track. It will serve both existing and future development in the western part of Singapore and will significantly improve connectivity of the region and support the development of the Jurong area. The JRL is expected to put 60,000 more households in Jurong within a 10-minute walk from a train station. The JRL is scheduled to open in 3 stages – with the final stage being finalized in 2028.

Trainguard Sirius is the Siemens Mobility high-performance CBTC system which lets operators maximize their network capacity and throughput. The radio-based technology provides real-time data on vehicle position and speed conditions, allowing system operators to safely increase the number of vehicles on a rail line. Additionally, the technology precisely locates each train on the tracks and controls speed, improving safety for riders and employees, while also providing the ability for continuous updates on system status that results in fewer delays and up-to-date travel information. Trainguard Sirius is currently being used for the Downtown Line in Singapore, Turkey, Brazil, Spain, China and Venezuela.

This project will build on the already well-established relationship, Siemens Mobility has with Singapore. That includes providing the signalling and the test center for the Downtown Line (DTL), one of the world's longest suburban fully automated metro lines, as well as providing electrification for two other mass transit projects: Circle Line Stage 6 and North East Line extension. Siemens Mobility also operates one of its digital labs in Singapore, which is transforming the future of road traffic by conducting extensive autonomous driving research with its partner CETRAN.

For more information, visit <https://sie.ag/3hvON63>

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