

Siemens Mobility to provide CBTC signaling for the first driverless metro system in Kaohsiung, Taiwan

- CBTC signaling system and GoA4 operation to be implemented across a 22.8 km route, at 23 stations, and on 25 trains
- GoA4 functionality will allow for full automated driverless train operations
- The automated signaling system will provide greater availability, enhanced operations, and better passenger experience

Siemens Mobility, along with consortium partners ST Engineering and Stadler, have been awarded an Electrical and Mechanical (E&M) turnkey contract to deliver the Yellow Line for Kaohsiung Metro. Siemens Mobility will provide its state-of-the-art CBTC signaling technology with GoA4 functionality, which will allow for full automated train operations (ATO). Furthermore, Siemens Mobility will deliver its highly reliable and precise Airlink radio communication system which will facilitate the communication of wayside and onboard signaling equipment, that will be installed on the new trains.

“We are delighted to have been awarded the opportunity to provide our best-in-class technology that will help improve the infrastructure and sustainability of the Kaohsiung Metro. Our digitalized and automated signaling solutions will allow the Yellow Line to operate with an enhanced level of punctuality, availability, and passenger experience. It will also reduce the hardware employed along the line, making the system more reliable and easier to maintain,” said Andre Rodenbeck, CEO of Rail Infrastructure at Siemens Mobility. “This important project builds on our leading position in delivering automated signaling systems and further expands our growing footprint in Taiwan.”

With a population of around 2.72 million, Kaohsiung is the 3rd most populous area in Taiwan, and the economic center of the South. The new Kaohsiung Yellow Line will comprise 22 underground stations and 1 elevated station, and the 22.8 km route will inter-connect with the existing metro network. Once completed, the Yellow Line will provide a sustainable, safe, and highly reliable public transportation system, connecting six essential districts, universities, and schools. This line will ultimately serve more than 40% of the city's population.

The first phase of revenue service is planned for 13 stations and one depot in December 2030. The commencement of the entire route is planned for January 2034. The Yellow Line will provide a convenient transfer to the existing Kaohsiung Red and Orange Line, which were previously delivered by Siemens Mobility and put into revenue service in 2008.

The Siemens Mobility CBTC solution Trainguard MT is the most extensively deployed automatic train control system in the world and is used by many operators, including Paris, Beijing, New York, London, Hong Kong, and Buenos Aires.

This press release is available at <https://sie.ag/3T0s0CD>

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