

Taipei, July 5, 2018

Siemens delivers rail technology to Taiwan

- **Taoyuan City gets fully automated metro**
- **Green Line: around 27.8 kilometers long with 21 stations**
- **Link to Taoyuan International Airport**
- **CBTC based train control will maximize throughput and capacity**

A consortium of Siemens, South Korea's train manufacturer Hyundai Rotem and Taiwanese construction company BES Engineering will deliver, on a turnkey basis, the electrical and mechanical solutions for the Green Line metro in the Taiwanese city of Taoyuan. The contract was awarded by the Taoyuan City Government. Siemens' share of the project comprises the signaling system "theTrainguard MT Communications-Based Train Control system (CBTC)", traction drives for the trains and the direct current traction (DC) power supply. The metro line's signaling system will enable unattended train operation (Grade of Automation, GoA4).

Chen Wen De, Director General of the Department of Rapid Transit Systems, indicated, "The Green line is the pioneer project of Taoyuan's rail infrastructure. The construction of the elevated section will start in October this year. In the future, the Green Line will connect Chungli, Taoyuan City with the future airport city Aerotropolis via Taoyuan's underground rail, MRT Lines of TTY Airport, Brown Line, San-ying Line Extension to Bade, and Green Line Extension to Chung-li. Along with Taoyuan Aerotropolis and Asian Silicon Valley projects in Taoyuan, the establishment of the complete MRT network will develop Taoyuan into a smart and dynamic city with international competitiveness."

"Our CBTC train control system enables rail operators to optimally utilize their network capacity and throughputs. Headways of 90 seconds or less will be achieved with moving block operation that ensures safe separation of the trains, combined with continuous bidirectional radio communication. This will enable the operator to maximize the number

of trains simultaneously operating on the line, thereby increasing the number of passengers being transported,” said Michael Peter, CEO of the Siemens Mobility Division.

Erdal Elver, President & CEO of Siemens Taiwan stated, "We, the consortium team, truly appreciate the recognition of Taoyuan City Government. It is our honor to assist Taoyuan City in building an intelligent and advanced metro system. As Taiwan's long-term trusted and reliable technology partner, we are dedicated to provide our most innovative technologies and to share our global successful experiences, thereby making contributions to the digital development of Taiwan's rail transportation systems."

When finished, the Green Line in Taoyuan will be 27.8 kilometers long and have 21 stations. Around 12.5 kilometers of the line are underground and roughly 15.3 kilometers are elevated. The Green Line will connect Taoyuan City with the future airport city Aerotropolis and Taoyuan's International Airport via the TTY Airport MRT Line. Two line extensions, to Daxi with three stations and to Chungli with seven stations, are planned.



From the front left: Korean Mission in Taipei Representative Yang Chang-Soo, Siemens AG Vice President of Mobility Division Melih Arpacı, Taoyuan City Mayor Cheng Wen-Tsan, Hyundai Rotem Company President & Chief CEO Kim Seung-Tack, BES Engineering Corporation Chairman Shen Hwa-yeang, Siemens Taiwan President and CEO Erdal Elver.

Further information on the Mobility Division is available at: www.siemens.de/mobility

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