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Press

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Siemens delivers rail technology to Taiwan

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

A consortium of South Korea's train manufacturer Hyundai Rotem, Taiwan's construction company BES Engineering and Siemens 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 Trainguard MT Communications-Based Train Control system (CBTC), traction drives for the trains and the direct-current (DC) traction 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, stated: "The Green Line is the pioneer project of Taoyuan's rail infrastructure. Construction of its elevated section will start in October this year. In the future, the Green Line will connect Chungli and Taoyuan City with the future airport city of Aerotropolis via Taoyuan's underground rail, the mass rapid transit TTY Airport Line, the Brown Line, the San-ying Line Extension to Bade and the Green Line Extension to Chung-li. Along with Taoyuan Aerotropolis and the Asian Silicon Valley projects in Taoyuan, realization of the complete mass rapid transit network will transform Taoyuan into a smart, dynamic and internationally competitive city."

"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

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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.

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

This press release is available at: www.siemens.com/press/PR2018070248MOEN

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

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