

Siemens Mobility wins digital services order for Singapore mass transit system

- **Siemens Mobility will manage contract from the Singapore MindSphere Application Center**
- **Rail Enterprise Asset Management System to enhance availability**

Siemens Mobility and consortium partner ST Engineering Electronics Limited have been awarded an 18.8 million Singapore dollars contract by the Singapore Land Transport Authority (LTA) to develop and implement a Rail Enterprise Asset Management System (REAMS). This digital program will be managed from the MindSphere Application Center in Singapore, one of Siemens' digitalization hubs. The facility was the first to integrate multi-disciplinary digitalization specialists from different Siemens businesses.

"This order from LTA confirms the growing demand from our customers for an entire asset management solution. The shift towards data-driven, just-in-time predictive maintenance and asset monitoring is key to guaranteeing one hundred percent availability of an entire system – from rolling stock to signaling, power and communications – and enhancing its performance over the lifecycle," said Johannes Emmelheinz, CEO of Siemens Mobility's rail service business.

REAMS will increase overall availability and improve operational efficiency by limiting maintenance downtime, increasing infrastructure reliability and optimizing the lifecycle costs of key assets. In the initial phase, the system will be implemented on Singapore's 42-kilometer Downtown Line (DTL), which is served by a fleet of 92 trains and 34 stations. The consortium will develop a software platform that will store and analyze data from DTL's maintenance management system and the core systems that are critical to DTL's efficient operation: trains, signaling, platform

screen doors, power supply system, tracks, communications and the integrated supervisory control system. The collected technical data will be combined with financial information to create decision-supporting tools for data-centric asset management. The core functions of REAMS are expected to be operational by mid-2020. Other metro lines in Singapore will be added in future phases.

REAMS will also be equipped with data analytics capabilities and expertise based on Railigent, Siemens Mobility's Data Analytics Application Suite for Rail, in order to identify potential issues before they occur, so that assets can be repaired or renewed pre-emptively.

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Siemens Mobility is a separately managed company of Siemens AG. As a leader in transport solutions for more than 160 years, Siemens Mobility is constantly innovating its portfolio in its core areas of rolling stock, rail automation and electrification, turnkey systems, intelligent traffic systems as well as related services. With digitalization, Siemens Mobility is enabling mobility operators worldwide to make infrastructure intelligent, increase value sustainably over the entire lifecycle, enhance passenger experience and guarantee availability. In fiscal year 2017, which ended on September 30, 2017, the former Siemens Mobility Division posted revenue of €8.1 billion and had around 28,400 employees worldwide. Further information is available at: www.siemens.com/mobility.