



AEGIS Case Study
Signalling System and Full-Height Platform Screen Doors for all Cross Island Line

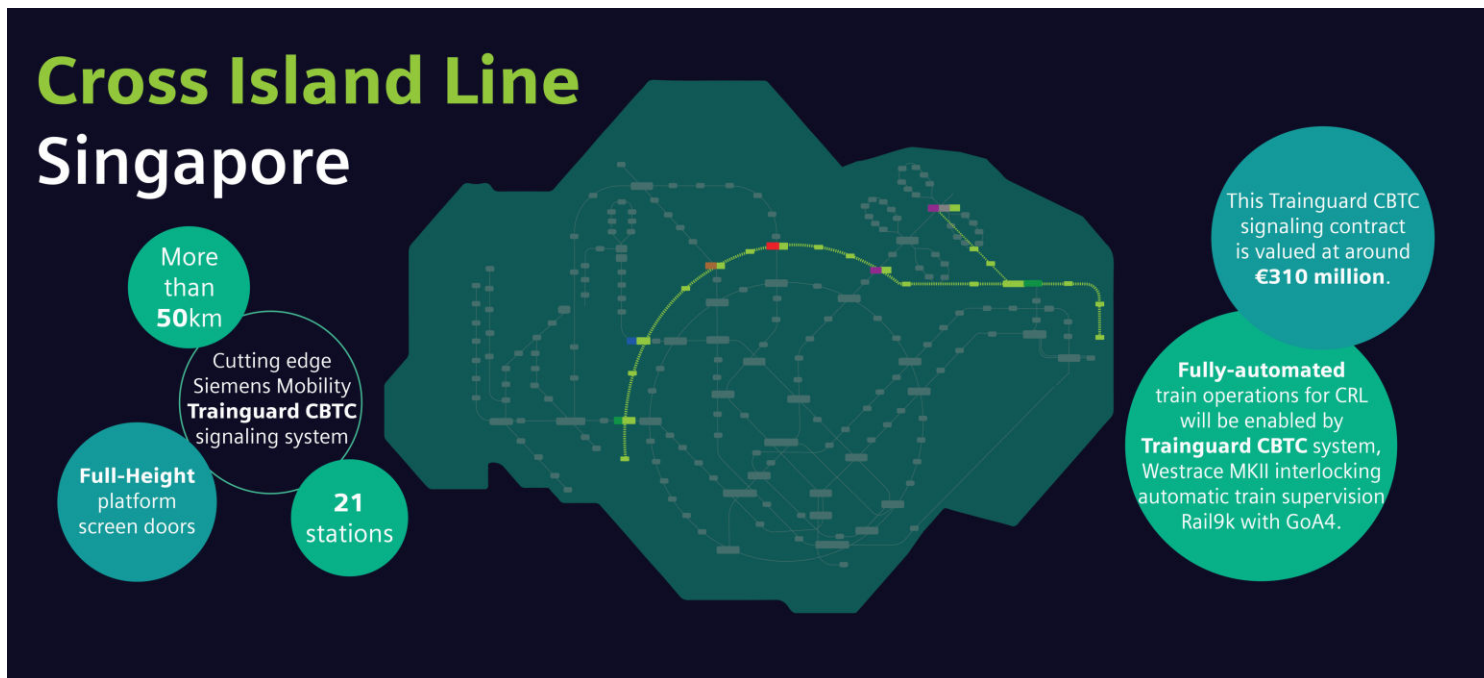
Client name: Siemens Rail Automation

SCOPE/OBJECTIVE

The Cross Island Line (CRL) will be a Singapore underground Mass Rapid Transport System with a route length of approximately 60km and 26 stations (with 13 interchange stations), including approximately 4 Facility Buildings and 3 Intake Substations and two (2) depots.

Siemens is responsible for the supply the Signalling system of all the CRL which consists of the following:

- ATO
- TDMS
- ATS
- CBI (IxL)
- DCN
- FHPSD
- ATP
- LDMS
- CBTC
- DCS
- Condition Monitoring
- Electronic card Maintenance



Cross Island Line Singapore

More than **50km**

Cutting edge Siemens Mobility **Trainguard CBTC** signaling system

Full-Height platform screen doors

21 stations

This Trainguard CBTC signaling contract is valued at around **€310 million.**

Fully-automated train operations for CRL will be enabled by **Trainguard CBTC** system, Westrace MKII interlocking automatic train supervision Rail9k with GoA4.

HOW WE ASSIST

AEGIS Certification S.L.U. acts as an ENAC (Spanish National Accreditation Entity) accredited railway safety inspection entity – independent safety assessor according to UNE-EN ISO/IEC 17020. This accreditation supports AEGIS’s technical competency to provide its clients with independent safety assessment services within the following railway subsystems: Control-command & Signalling and Rolling Stock; according to CENELEC (EN 50126-1/2, EN 50128 and EN 50129) and the Common Safety Method for risk evaluation and assessment (Regulation EU/402/2013 modified by EU/2015/1136).

AEGIS provides support to SIEMENS by offering its services as an ISA against CENELEC standards. The activities involve in analysing the project documentation and assessing the compliance both customer and standards requirements.

The ISA activities during the project lifecycle is reported to the client through regular meetings and Feedback Lists.

OUTCOME

Our strong partnership with Siemens Rail Automation and our system expertise allows us to effectively manage the project safety assessment as the overall ISA of the CRL Signalling system and the Full-Height Platform Screen Doors.

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