

# Operation Safety Certificate



ID-Number: TWA20139CE001

Inspection Body TÜV Rheinland Taiwan Ltd. (IV&V Inspection Body)

Owner of Certificate Department of Rapid Transit Systems, New Taipei City  
5F., No. 245, Jixian Rd., Luzhou Dist., New Taipei City 24747,  
Taiwan, R.O.C.

Type / Product under Certification Turn-Key Project of Overall Danhai Light Rail Transit (LRT) System Phase 1, including the Green Line 1 and Green Line 2, overall length of 9.55km, 14 stations and 1 depot, including:  
Core Electrical and Mechanical (E&M) system,  
• Rolling Stock  
• LRT Signaling and Road Traffic Control Signaling  
• Power Supply System  
• Communication System  
• Depot Equipment  
• Automatic Fare Collection  
• Traffic Control Center and Operation Control Center  
Track Work system,  
Civil Infrastructure (includes Civil Construction for Depot), Station, Elevator and Escalator, Electrical Power & Water Services, and Environment Control System

Contractor China Steel Corporation / United Steel Engineering & Construction Corporation

Basis of Assessment <sup>1)</sup> EN 50126:1999, EN 50128:2011, EN 50129:2003  
Employer's Requirement Volume (I) ~ Volume (VI) of the Turn-Key Project of Overall Danhai LRT System Phase 1

Assessment Report / Date <sup>2)</sup> Independent Verification and Validation Report for the Turn-Key Project of Overall Danhai Light Rail Transit System Phase 1  
Doc. No. DHLR1-IVV1-IVV-MPM-0063  
Date : 2020-09-09

Assessment Result <sup>3)</sup> Resulted from Independent Verification and Validation assessment conducted, the IV&V inspection body concludes the Function, Safety, and Quality has complied with the Employer's Requirement of the Turn-Key Project of Overall Danhai Light Rail Transit (LRT) System Phase 1.

Validity This certificate is valid for the system configuration defined in the above-mentioned Assessment Report.

<sup>1)</sup> Further codes and standards to be applied are contained in the referenced assessment report.

<sup>2)</sup> This assessment report is an integral part of the certificate.

<sup>3)</sup> The assessment result is justified in detail in the assessment report

Date: 2020-10-22

TÜV Rheinland Taiwan Ltd.  
11F., No. 758, Sec. 4, Bade Rd.,  
Songshan Dist., Taipei 105, Taiwan, R.O.C.



  
Certification Representative  
(Rover Jan)