Revision 1.0 October 10, 2024
Surveillance Audit Due
November 1, 2027

Certificate / Certificat
Zertifikat / 合格証

WLG 2204227 C001

exida hereby confirms that the:

Xentral Safe Software
of
Willowglen MSC Berhad
(199801006521)
Malaysia

Has been assessed per the relevant requirements of:

EN 50128:2011+A2:2020

and meets requirements providing a level of integrity to:

Systematic Capability: SIL 1/2 Capable

Assessment Result:

Xentral Safe Software has been assessed independently as a generic software with the listed safety features. The chosen safety procedures, safety methods and safety targets for the design and development and production of the software is judged as suitable to achieve the safety integrity level (SIL) 2 according to EN 50128 railway standard.

The design documentation, personnel competence, development procedures/methods/tools and the fulfilment of software requirements of Xentral Safe Software have been inspected during the independent software assessment.

Application Restrictions:

The unit must be used in accordance with the instructions and constraints in provided user documentation and Assessment Report.

Jack Gao
_____
Evaluating Assessor

Desmond Lee
_____
Certifying Assessor

Certificate / Certificat / Zertifikat /合格証

WLG 2204227 C001
Systematic Capability: SIL 1/2 Capable

Xentral Safe Software

Systematic Capability :

The software has met design process, testing and installation requirements of Safety Integrity Level (SIL) 2 per EN 50128. These are intended to achieve sufficient integrity against systematic errors of design by the manufacturer.

A safety related function designed with this product must not be used at a SIL level higher than stated.

Compliant Versions	
Xentral Safe Versions	Standards Assessed
Xentral Safe V7.0	EN 50128:2011+A2:2020

Xentral Safe Software features:
Xentral Safe Software shall provide a mechanism to store/retrieve data in real time.
Xentral Safe Software shall provide a mechanism to manage configuration data.
Xentral Safe Software shall provide a mechanism to read/write input data from peripheral units via IEC 60870-5-104, Modbus and Java Message Service. (The protocol conformance is not in the scope of certification).
Xentral Safe Software shall provide a mechanism to support custom programming via ladder diagram programming.
Xentral Safe Software shall provide a mechanism to execute logic created with its software component.
Xentral Safe Software shall provide a mechanism to start the necessary software components for it to run properly and to monitor those components.
Xentral Safe Software shall provide a mechanism to download the requested GUI application client code from its software component.
Xentral Safe Software shall provide a mechanism to communicate between its software components.
Xentral Safe Software shall provide a mechanism to import and apply all information needed for communicating with peripheral units.

The following documents are a mandatory part of certification:

Assessment Report: WLG 22-04-227 R002 V6R1 (or later)

Safety Manuals:

  Xentral_D8.3_SRN_2024_v7.0_r1_Rev0.0.pdf (or later)

  Xentral_Safe_User_Manual_Rev1.0.pdf (or later)

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