

Certificate



Functional Safety Management

FS Management (TÜV Rheinland)
IEC 61511-1:2016 - SIS Integration (Phase 4)
FSM 129

Certificate No. 968/FSM 129.09/18

Certified Company & Location
ABB Pte Ltd.
Singapore Safety Execution Centre
2 Ayer Rajah Crescent
Singapore 139935
Republic of Singapore



Scope of Certification **Safety Instrumented Systems Integration, related to IEC 61511-1:2016 - Phase 4 (Design & Engineering)**

The certified company has successfully demonstrated during an audit process that a Functional Safety Management System has been implemented and applied accordingly.

The Scope of Certification **SIS Integration** covers integration of **Safety Instrumented Systems (limited to Logic Solver)** for the **Process Industry** up to and including **Safety Integrity Level 3 (SIL3)**.
The following phase activities are considered: **SIS design, configuration, application programming, assembly and test** as well as **safety parameters calculation**.

The IEC 61511 is the basic standard for this FSM Certification; however relevant clauses of the **IEC 61508:2010** standard are used complementarily.

As part of the audit process organizational and informational exchange / supply related to other respective Safety Lifecycle Phases between the Certified Company and its customer is considered.

This FSM Certification only refers to the listed company locations and their involved departments, which comply with the organizational FSM requirements for the listed Scope of Certification.

It does not replace approval or certification for specific SIS Integrations.

Validity This certificate is valid until 2020-12-31

Cologne, 2018-02-13

TÜV Rheinland
Industrie Service GmbH
Automation and Functional Safety
Am Grauen Stein
51105 Cologne - Germany

Certification Body Safety & Security for Automation & Grid
Further information referring to the scope of certification, see <http://www.tuv.com>

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Funktionale Sicherheit
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