

Certificate



No.: 968/FSA 1246.00/22

Functional Safety Assessment


Certificate Holder	BUSS ChemTech AG Hohenrainstr. 12A CH-4133 Pratteln Switzerland
Subject	Design and Engineering of Safety Instrumented Systems of the Phosgene Generator and Safety Absorption (SIF 1-32, 35-37)
Type Designation	Project 4203 1240, LANXESS US Plant GPA 200
Codes and Standards	IEC 61511-1:2016 + Corr.1:2016 + AMD1:2017 (in extracts) IEC 61508 Parts 1-7:2010 (in extracts)
Scope and Result	Scope: Stage 2 assessment IEC 61511 SLC for the Safety Instrumented System Result: The documented design, engineering, fault avoidance and validation activities comply with the requirements of IEC 61511 (Phase 4 of SLC, up to Logic Solver FAT) for SIL 1 and SIL 2
Specific Provisions	The project related SIF Test Procedures (SIP001) and the safety documentation delivered by the component suppliers have to be observed. Any change in type or firmware of used hard- or software modules and changes in the application logic requires a reconsideration of the whole system. The validation of the target system including SAT is not covered by this assessment.

The assessment report-no.: 968/FSA 1246.00/22 dated 2022-07-11 is an integral part of the certificate. This certificate is specifically valid for the above mentioned system/subsystem/safety function only. It becomes invalid, if any unapproved changes are implemented without prior assessment/approval by the certification body. Authenticity and validity of this certificate can be verified through the above indicated QR-code or at <http://www.fs-products.com>.

TÜV Rheinland Industrie Service GmbH
Bereich Automation
Funktionale Sicherheit

Köln, 2022-08-10

Certification Body for FS-Applications


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