



Certificate of compliance Subsystem



Holder FLSmidth A/S, Valby, Denmark

Compliant Item(s) Gas Analysis System for CO and CH4

Basis of Certification IEC 61511:2016

Certification Include(s)

- ☒ Management of functional safety
- ☒ Safety requirements specification
- ☒ Hardware requirements
- ☒ Reliability requirements
- ☒ Software requirements
- ☒ Basic safety
- ☒ User documentation
- ☒ Factory Acceptance Testing
- ☒ Integrated Factory Acceptance Testing

Functional Safety Data

Safety functions: See report and next page
Functional safety parameters: See next page

Certification Results Risknowlogy certifies that the above Compliant Item(s) meets the requirements of the Basis of Certification for the selected assessment(s). The Risknowlogy report 1726.491.15 are an integral part of this certificate.

Certificate Number 1726.491.17-0

Initial Certification 2021-05-25

This Certificate 2021-05-25

Expiry Date After modification of Compliant Item

Certifier Dr Michel Houtermans





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SIFs	Type	HFT	PTI	PFDavg	SIL
M1-1- COHigh1	B	1	3 Months	1.40E-04	2
M1-2- CH4High1	B	1	3 Months	1.40E-04	2
M1-5 - Low Low Gas Flow	B	1	3 Months	1.38E-04	1
C1-3 - COHigh2	B	1	3 Months	1.40E-04	2
C1-3 - CH4High2	B	1	3 Months	1.40E-04	2