

Certificate



No.: 968/FSA 1205.00/20

Functional Safety Assessment

Certificate Holder	Burullus Gas Company Building 1 Road 294 New Maadi - Cairo Egypt
Subject	Burullus Project WDDM Phase IXb - High Integrity Pressure Protection System (HIPPS) 517 bar Unit
Type Designation	HIPPS Manifold Part Number: ALJ-27001-01 HIPPS Manifold Serial Number. 445570003-01
Codes and Standards	IEC 61511-1:2016+ Corr.1:2016 + EN 61508 Parts 1-7:2010 (in extracts) AMD1:2017 (in extracts)
Scope and Result	Assessment of the design, engineering and system integration (up to the EFAT stage in Norway) of the Baker Hughes - Burullus HIPPS (517 bar unit). The corresponding life cycle phases are: phase 4 of IEC 61511 (stage 2 assessment). The final subsea installation and commissioning is not covered. The presented HIPPS design, engineering and validation activities comply with the requirements for SIL 3 of the applicable life cycle phases.
Specific Provisions	The instructions of the associated Installation, Operating and Safety Manual must be considered. The instructions given by the HIPPS supplier and the safety documentation delivered by the component suppliers have to be observed. Mode of operation: Low Demand Mode, Proof test interval: 1 year (full test), Design lifetime: 25 years, $PFD_{avg} = 1.20E-04$. For details see test report 968/FSA 1205.00/20.

The assessment report-no.: 968/FSA 1205.00/20 dated 2020-07-22 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>.

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Certification Body for FS-Applications

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