

Certificate



No.: 968/FSA 1000.00/15

Functional Safety Assessment

Certificate Holder	Abu Dhabi Marine Operating Company (ADMA OPCO) P.O. Box 303 Abu Dhabi United Arab Emirates	Manufacturer	Hima-Sella Ltd. Carrington Field St. Stockport, SK1 3JN United Kingdom
Subject	Planar 4 HIPPS Logic Solver with dual I/O - conformal coating Design and engineering documentation of the High Integrity Pressure Protection System for Slug Catcher M-201A/B. ZWSC additional 100MBD modification Project		

Type Designation	HIPPS for Zakum West Super Complex (ZWSC) and Zakum Central Super Complex (ZCSC).		
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Codes and Standards	IEC 61511-1:2003 + Corr. 1:2004 (in extracts)	IEC 61508 Parts 1-7:2010 (in extracts)
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Scope and Result	Safety Function: High Integrity Pressure Protection System. The documented design and engineering of the HIPPS for Zakum West Super Complex (ZWSC) and Zakum Central Super Complex (ZCSC) complies with the requirements of IEC 61508 (Phase 10 of the safety life cycle) and IEC 61511 (Phase 4 of the safety life cycle) for SIL 3. The assessment did not cover the final validation of the target system.		
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Specific Provisions	The instructions given by the HIPPS supplier and the safety documentation delivered by the component suppliers have to be observed. During validation testing the end-user needs to verify that the safety functions can be executed as required in the Safety Requirement Specification. The defined proof test procedures has to be followed. Any change in type or firmware of used hard- or software modules and changes in the hard wired logics requires a reconsideration of the whole system.		
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The assessment report-no.: 968/FSA 1000.00/15 dated 2015-07-01 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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Köln, 2015-07-01

Certification Body for FS-Applications

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