



FUNCTIONAL SAFETY CERTIFICATE

This is to certify that the Functional Safety Capability of

Deep Life Ltd
King's Gate Lodge,
Dalkeith,
EH22 1ST
Scotland UK

has been assessed by Sira Certification Service
and found to comply with

IEC 61508 Part 1:1998 Clause 6
Management of Functional Safety

When assessed using

The CASS guide to Functional Safety Capability Assessment Issue 2a

The certified scope is as a safety-related systems designer and manufacturer for the provision of electrical/electronic and programmable electronic safety-related systems for use in the diving industry, up to and including SIL3. Lifecycle Phases and conditions of certification are specified in the attached schedule.

Approved by:

A handwritten signature in black ink, appearing to read "W Thomas".

W Thomas
Certification Manager

This certificate may only be reproduced in its entirety without any change.



Certificate No: CASS 00013/01
Initial certification: 04 March 2010
This certificate issued: 04 March 2010
Renewal date: 03 March 2013
Form 7015 issue 1



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Sira Certification Service

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SCHEDULE

Applicable Lifecycle Phases

Certification of the management of functional safety is for the following Overall Lifecycle Phases from IEC 61508-1 clause 7, as applicable to an E/E/PES in the diving industry:

<u>Lifecycle Phase</u>	<u>Notes</u>
1. Concept	1
2. Overall scope definition	1
3. Hazard & risk analysis	1
4. Overall safety requirements	1
5. Safety requirements allocation	1
7. Overall validation planning	
9. E/E/PES safety related systems: realisation (hardware and software)	
13. Overall safety validation	

Note 1: Overall Lifecycle Phases 1 to 5 are included in as much as these are carried out in order to determine a typical SIL for a mass produced product. The SIL for any specific application needs to be determined by the body responsible for managing the risks of the specific application.

General Information and Conditions of Certification

1. This certificate is based on Sira Test & Certification confidential Assessment Report R56S19646 version 1
2. Revisions to procedures that could have a significant impact on safety (e.g., coding standards) shall be reviewed by Sira before their application
3. The certified company shall maintain its management of functional safety and associated procedures to the required standards which will be monitored and re-assessed by Sira
4. If the management of functional safety and associated procedures are found not to comply, Sira Certification Service should be notified immediately at the address shown on this certificate
5. The use of this Certificate and the Sira Certification Mark are subject to the 'Regulations Applicable to the Holders of Sira Certificates' and the 'Supplementary Regulations Specific to Functional Safety Certification'
6. This document remains the property of Sira and shall be returned at the request of the issuer



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