



TÜVRheinland®

ZERTIFIKAT  
CERTIFICATE

No.: 968/EL 832.01/14

<b>Product tested</b>	Design and Engineering of the Boiler Protection System (BPS CE3500)	<b>Certificate holder</b>	Alstom Power System SA Power Automation & Controls 14, Rue Jean Bart 91300 Massy France
<b>Type designation</b>	All Safety Instrumented System hardware components installed in the cubicles 60CSH11, 60CSH12, 60CSH13, 60CSH14, 60CSH15, 60CSH16, 60CSH17, 60CSH18 designed to perform the Safety Instrumented Functions		
<b>Codes and standards forming the basis of testing</b>	IEC 61511-1:2003 + Corrigendum 1:2004 (in extracts)		
<b>Intended application</b>	The result of the intended application for the certification has shown the requirements for SIS integrator phase 4 design & engineering methodology (i.e. project documentation) applicable to the standalone BPS system (applied by the manufacturer) has fulfilled the applicable requirements of IEC 61511.		
<b>Specific requirements</b>	As part of additional requirements, specification, installation, maintenance requirements have to be considered both for BPS and actual site/plant requirements defined by the end-user. For this the complete SIFs have to be assessed and the PFDsys has to be determined by the end user.  Within the scope of this certificate, the assessment is only limited phase 4 of IEC 61511 to the scope of supply of the certificate holder.  The report No 968/EL 832.00/14 is an integral part of this certificate.		
This certificate is valid until 2019-05-16.			

The issue of this certificate is based upon an examination, whose results are documented in report-no.: 968/EL 832.00/14 dated 2014-05-16.

This certificate is valid only for products which are identical with the product tested. It becomes invalid at any change of the codes and standards forming the basis of testing for the intended application.

TÜV Rheinland Industrie Service GmbH  
Bereich Automation  
Funktionale Sicherheit  
Am Grauen Stein, 51105 Köln

Köln, 2014-05-16

Certification Body for FS-Products

Dipl.-Ing. Heinz Gall