



TÜV Rheinland Group

TÜV Industrie Service GmbH
Automation, Software and Information Technology
Certification Body for Functional Safety Management Systems

ZERTIFIKAT FUNCTIONAL SAFETY MANAGEMENT

CERTIFICATE - IEC 61508 / IEC61511-

No. 968/FSM 104.01/04

Scope: **E/E/PE- Safety Related System Integration**
SIS - Integration

The Company

Yokogawa System Center Europe B.V.

Lange Amerikaweg 55
NL-7302 HA Apeldoorn

The Netherlands



has proven successfully within the scope of an audit that a Functional Safety Management System has been introduced and applied accordingly.

The scope of the Functional Safety Management System includes the integration of **E/E/PE - Safety Related Systems, sensors and actuators** respectively SIS and comprises their **configuration, application programming, assembly, and test** as well as **safety loop calculations** for specific industrial safety applications.

The basic standards of the audit are IEC 61508, part 1-7, issued 1998 to 2000 and IEC 61511, part 1, issued 2003.

The objects of the audit are the requirements defined in the a.m. standards relating to the **Management of Functional Safety**, the **Documentation**, the **Functional Safety Assessment** as well as the **Company Specific Safety Lifecycle Phases**.

The Company Specific Safety Lifecycle Phases are:

IEC 61508:

- Phase 9** - *E/E/PES Realisation*
- Phase 12** - *Overall Installation and Commissioning*
- Phase 14** - *Overall Operation, Maintenance and Repair*
- Phase 15** - *Overall Modification and Retrofit*

IEC 61511:

- Phase 4** - *Design and Engineering of SIS*
- Phase 5** - *Installation, Commissioning and Validation*
- Phase 6** - *Operation and Maintenance*
- Phase 7** - *Modification*

The IEC 61508 phases 12, 14, 15 and the IEC 61511 phases 5, 6, 7 relate only to the support provided by the audited company to its clients excluding overall responsibility for the different processes.

The Certificate does not replace approval or certification for specific E/E/PE - Safety Related System Integration. The audit results refer exclusively to those departments which are involved in the FSM-organisation at the location of the audited company.

The Certificate is valid until April 2006.

Cologne, 2004-08-16

Certification Body for Functional Safety Management Systems

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The Business Sector *Automation, Software and Information Technology* operates an accredited test laboratory according to DIN EN ISO / IEC 17025 and DIN EN ISO 9001, which confirms the organizational requirements to carry out functional safety qualifications.