

certifies that

## Emanuele Panella

has successfully completed the course

### Safety Instrumented Systems of C T A I s.r.l. - Italy

Contents:

- Introduction Standards 61508 and 61511
- Functional Safety Management System – Safety Life Cycle
- SIL Classification
- HW development
- Relevant parameters for Functional Safety
- Calculation of failure rates of a subsystem
- Calculation of PFD and PFH of a complete system
- SW development

and has met the approval criteria for a

### TÜV Functional Safety Engineer Safety Instrumented Systems

**Certificate Number:** TÜVFSEng 1562/ 09

Issue date: January 2009

Expiry date: January 2014

Cologne, January 2009

**TÜV Rheinland Industrie Service GmbH**  
Automation, Software  
and Information Technology (ASI)



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