SIEMENS

IEC 61511 - Practical use (ST-WSPUP)

Objectives

Basic knowledge about the "Safety life cycle according to IEC 61511"
Expert knowledge regarding planning of safety-related systems
Jointly produced solutions to common tasks
Verified solutions
Provided solutions as samples for everyday work

Target Group

Planners of safety-related systems in the process industry (hardware & software)

Content

This workshop is focussed on the practical use of the IEC61511, whereas the workshop “IEC 61511 Functional safety for the Process Industry” is more theoretically covering the subject.
Using the example of typical application such as distillation column, Grignard reactor or steam drum the safety lifecycle with it steps:

- Basics from IEC 61511, functional safety management
- Hazard and risk analysis
- Allocation of safety functions to protection layers (SIL) incl. practical exercise (group works)
- Specification of safety requirements
- Design and engineering of a SIS
- Implementation of hardware examples - practical exercise (group works)
- SIL Verification of examples implemented
- Verification, validation and functional assessment

will be elaborated and the results provided as key examples for the daily work.

Prerequisites

Good knowledge of process measuring and control technology
Basic knowledge “IEC 61511 Functional safety for the process industry”
Experience in the process industry
Knowledge as provided in the Workshop "IEC 61511 Functional safety for the process industry"

Note

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Type

Face-to-face training

Duration

2 days

Language

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