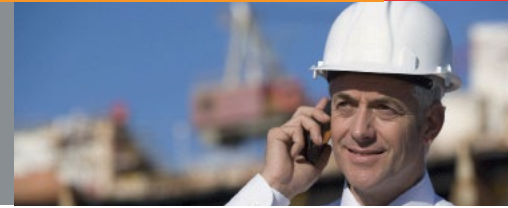


Overview of IEC 61511: The Functional Safety Standard for End-Users in the Process Industry

exida Can Show you the Way



Training Course: Overview of IEC 61511: The Functional Safety Standard for End-Users in the Process Industry

The IEC 61511 standard is the functional safety standard, specific to the Process Industry sector. The standard introduces a safety lifecycle concept, a structured engineering process to ensure functional safety is achieved in a plant. The standard also focuses on probabilistic evaluation of process risk and required risk reduction, if necessary.

This training will provide an introduction to the IEC 61511 functional safety standard. The functional safety lifecycle will be discussed from a “big picture” perspective, with subsequently additional detail in the main phases of the lifecycle, Analysis, Realization, and Operation. The training will conclude with functional safety requirements and basic reliability concepts.

Skills You Will Learn:

- Understand the scope and general requirements of IEC 61511
- Understand the impact of introducing IEC 61511 in your organization

Course Topics:

- Introduction to Safety Instrumented Systems
- The Safety Lifecycle - The Big Picture
- Analysis phase
- Realization phase
- Operation phase
- Functional safety management
- Terminology & basic reliability concepts

Who Should Attend:

- Plant managers
- PSM engineers

Course Length: 1 Day

COURSE MATERIALS PROVIDED

Learning from the Experts

Experience has shown that most companies benefit from training as the first step in implementing a safety, security, or alarm management program. Having a solid understanding of the relevant industry standards, requirements for compliance, and best practices (tools and techniques) ensures a focused and cost-effective initiative. Led by industry experts, exida offers a number of training options that can be modified to help meet the specific needs of your company. Whether your interests lie with Functional Safety, Control System Cyber Security, or Alarm Management, exida has the experience and expertise to ensure an informative and rewarding training program.

About exida Training:

Functional Safety

exida offers overview courses on both the IEC 61508 and IEC 61511 standards focused on understanding what they mean and how to comply with them. Along with overview courses, exida also offers more in-depth training options that provide hands-on access to exSILentia, exida's own SIL Selection and SIL Verification tool. With various options available, exida can offer modifications to the training options that will be suit your company's needs at the present time.

Control System Cyber Security

Cyber security has quickly become a serious issue for professionals in the process and critical infrastructure industries. An unprecedented number of security vulnerabilities have been exposed in industrial control products and regulatory agencies are demanding compliance to complex and confusing regulations. There are well established strategies and techniques that automation professionals can employ to discover and mitigate security vulnerabilities and improve the inherent security of their products and systems. Learning and adopting these strategies will help companies stay ahead of potential vulnerabilities. exida offers both basic and in-depth training options that will provide you with the information and skills necessary to help your organization implement and maintain secure control systems.

Alarm Management

exida's Alarm Management practices and principles training discusses industry best practices for alarm management including and educates key personnel about how their roles & responsibilities could be affected by complying with the ISA-18.2 standard. Creating an effective, sustainable alarm management program that delivers quantifiable benefits and complies with industry standards and guidelines is a key aspect of our training. Participants are prepared to support a facility alarm management program including the creation of an alarm philosophy document, alarm rationalization, analyzing alarm system performance, alarm system maintenance, and resolution of alarm management issues. Also available is an in-depth training on SILAlarm, exida's own alarm rationalization tool, which is used to guide the participants through the rationalization process and capture the results.

These various exida training programs have been designed to help accommodate your time and budget. Options include training courses delivered in various cities around the globe, your office location, an exida office, or through computer-based training modules.

exida also regularly publishes white papers and textbooks to facilitate learning on key topics, such as the best-selling book [Safety Instrumented System Verification](#). Stay tuned for new exida authored books to be released in 2012.