

Alarm Management 2-Day Course

Program Content:

This course provides an introduction to the industry standards on alarm management, with primary focus on the ANSI/ISA 18.2, Management of Alarm Systems for the Process Industries. This course will also present guidance on safety alarms contained in other industry practices, such as ISA TR84.00.04 and CCPS Safe Automation of Chemical Processes. The major lifecycle steps will be explained, so that the attendee understands the critical activities and engineering analysis that is required to ensure that alarms are properly specified and implemented. The course will also provide examples, do's and don'ts, and exercises

Day 1:

- Alarm Management Overview
 - History and Purpose
 - Regulatory Requirements
 - Timeline and Standards
- ISA 18.2 Lifecycle
 - Philosophy and Identification
 - Rationalization
 - Detailed Design and HMI Design
 - Enhanced and Advanced Alarming
 - Implementation
 - Operation and Maintenance
 - Monitoring and Assessment
 - Management of Change
 - Lifecycle Entry Points

Day 2:

- Safety Alarms
 - Sources of requirements (standards, technical reports, industry texts)
 - Overview of requirements
- Exercise
 - Identification
 - Priorities & classes
 - Master alarm database
 - Rationalization
 - Advanced methods
 - Safety alarm considerations
- Wrap-up

Who Should Attend?

Control systems engineers, instrument engineers, and process safety specialists