



DURATION
2 days

LEVEL
Intermediate

FORMAT
On-site classroom · virtual instructor-led

LANGUAGE
English

MAX. PARTICIPANTS
16

1

rationalisation workshop on your alarms

6

ISA-18.2 KPIs

1

priority matrix template

◆ Overview

Nuisance alarms are a symptom; the disease is an alarm system nobody owns. The course walks the ISA-18.2 lifecycle from philosophy to audit, then runs a real rationalisation workshop on the participants' own alarm list so they leave with a documented method, a priority matrix and the first rationalised loops.

◆ Learning outcomes

- Write or improve a site alarm philosophy document
- Set priorities with a consequence/time-to-respond matrix
- Rationalise alarms: cause, consequence, operator action, set-point and priority
- Use advanced techniques — state-based alarming, shelving, flood suppression
- Measure performance against ISA-18.2 and EEMUA 191 benchmarks
- Manage change so the database does not decay

◆ Who should attend

Control and instrument engineers, console operators and shift supervisors, alarm-management champions

◆ Course outline

DAY 1

Alarm-related incidents · ISA-18.2 lifecycle · philosophy and priority matrix · alarm database and documentation · rationalisation method

DAY 2

Rationalisation workshop on participants' alarm list · KPIs: rate, floods, standing alarms · state-based and dynamic alarming · HMI and ISA-101 principles · monitoring with ProcessVision · MOC for alarms

◆ Standards referenced

ANSI/ISA-18.2 IEC 62682 EEMUA 191 ISA-101

◆ Tools & exercises

Alarm KPIs and rationalisation records in ProcessVision

◆ What's included

- ✓ Course manual and slide pack
- ✓ Software access for the course
- ✓ Post-course Q&A with the instructor
- ✓ Exercise and case-study pack
- ✓ Competency quiz and certificate
- ✓ Templates used in the exercises

PREREQUISITES

Familiarity with DCS operation or configuration

CERTIFICATION

Certificate of completion

INSTRUCTORS

Practising engineers — TÜV HAZOP Leader, CCPSC and IEC 61511 Functional Safety certified — with 200+ years of cumulative plant experience.

Book this course or build a custom curriculum

On-site at your plant or virtual · in-house groups · competency assessment included

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