



www.silsupport.com

PROFESSIONAL TRAINING

Alarm Systems Management

This 1 or 2 day workshop is intended to take participants through the fundamental principles for managing alarm systems in line with recommendations and guidance from ASM, ISA -18.00.02-2009 and EEMUA 191 Guidelines for alarm management. They will learn how set appropriate alarm priorities and how to rationalise the number of configured alarms.

Alarm systems all too often suffer a proliferation of alarms that are both badly configured and incorrectly prioritised. They invariably contain far too many useless alarms which cloud the visibility of an operator. Poor alarm configuration leads to poor operator response with the consequences of excessive loss of production as a minimum and a significant probability of a loss of plant integrity.

Participants will be instructed in structured methods to rationalise the number of configured alarms and to assign appropriate alarm priorities. This will ensure that operators have the correct focus on the processes under their control and are only alerted to events and conditions that need their attention.

Who should attend?

Process engineers, operators, instrument engineers and safety engineers involved in configuring, installing or using any basic process control system (BPCS).

The workshop objectives are to equip participants with an understanding of:

- The requirements and objectives for alarm systems.
- The role of the operator.
- The key alarm system design principles.
- What to alarm.
- Types of alarm.
- Alarm prioritisation and rationalisation.
- Setting alarm priorities.
- The alarm priority by maximum consequence method.
- Summating the consequences method.
- Calibration of priority methods.
- Reliability and operability.
- Rationalisation and implementation issues.
- Alarm displays and audible warnings.
- Alarm system training.
- Testing of alarms.
- Sequence of event recording (SER).
- Measuring performance.
- Managing an improvement programme.
- Alarm system procurement.
- EXERCISES.

The workshop will use videos, numerous practical examples and team exercises to stimulate a realistic alarm management experience.

Strathayr, Rhu-Na-Haven Road, Aboyne, AB34 5JB, Aberdeenshire, U.K.
Tel: +44 (0)1339 886618
www.silsupport.com