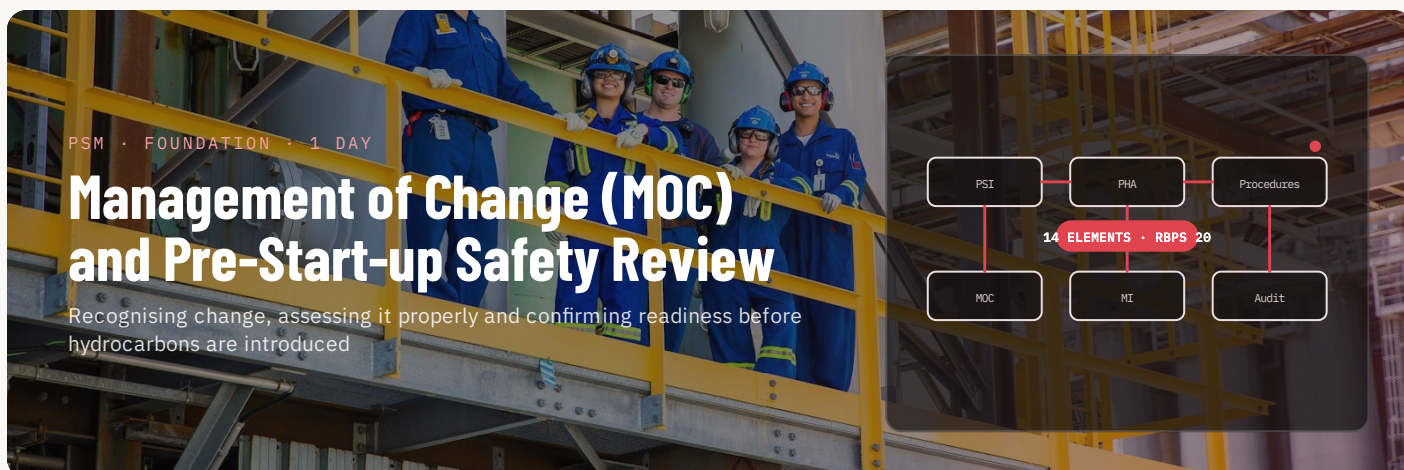




DURATION
1 day

LEVEL
Foundation

FORMAT
On-site classroom · virtual instructor-led

LANGUAGE
English

MAX. PARTICIPANTS
16

12

MOC cases judged: change or not?

1

PSSR walkdown checklist

2

workflow templates to take home

◆ Overview

Most major accidents involve a change that somebody did not think was a change. The course covers what counts as change (equipment, chemicals, procedures, organisation, temporary and emergency changes), how to scope the review so it is proportionate, and how the PSSR confirms that the change was built as designed, procedures and training were updated, and PHA actions were closed. Participants judge twelve real cases and run a tabletop PSSR on a modification package.

◆ Learning outcomes

- Distinguish replacement-in-kind from change, including organisational and procedural change
- Scope a technical review proportionate to the hazard: checklist, What-If or full HAZOP
- Manage temporary changes with expiry dates and restoration checks
- Update PSI, procedures, training and PHA records as part of closure
- Run a PSSR: field walkdown, punch-list categories and authorisation to start up
- Audit an MOC system with metrics such as overdue temporary changes and closure quality

◆ Who should attend

MOC originators, reviewers and approvers; operations, maintenance and project engineers; PSSR team members and PSM coordinators

◆ Course outline

MORNING

Change-related incidents (Flixborough and others) · OSHA 1910.119(l) and RBPS requirements · what is a change: twelve cases · MOC workflow and roles · risk-based review depth · temporary and emergency changes

AFTERNOON

Organisational change management · closure: PSI, procedures, training · PSSR per 1910.119(i): walkdown, punch list, authorisation · tabletop PSSR on a modification package · MOC metrics and audit questions

◆ Standards referenced

OSHA 29 CFR 1910.119(l) and (i)

CCPS Guidelines for the Management of Change for Process Safety

CCPS Risk Based Process Safety

EI Guidance on Organisational Change

Seveso III Directive

◆ Tools & exercises

Workflow and PSSR templates provided; exercises on participants' own MOC procedure

◆ 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
None

CERTIFICATION
Certificate of completion

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

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