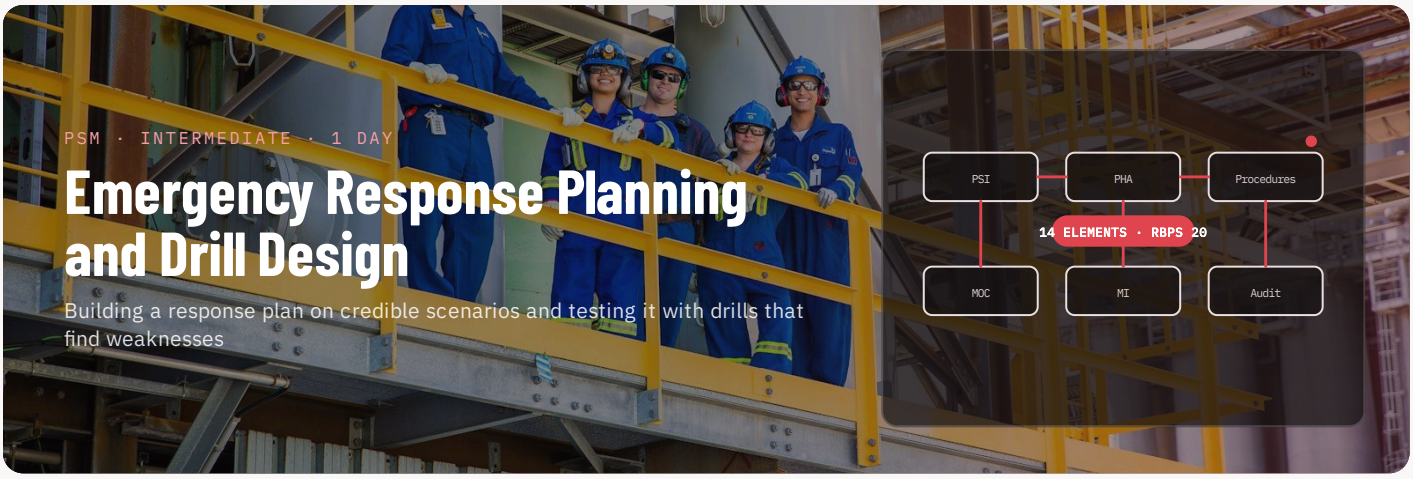

PSM · INTERMEDIATE · 1 DAY

Emergency Response Planning and Drill Design

Building a response plan on credible scenarios and testing it with drills that find weaknesses

DURATION	LEVEL	FORMAT	LANGUAGE	MAX. PARTICIPANTS
1 day	Intermediate	On-site classroom · virtual instructor-led	English	16

1 tabletop drill run and debriefed

4 scenario families: toxic · fire · explosion · spill

1 drill-design template

Overview

An emergency plan that has never been exercised against a realistic scenario is a document, not a capability. The course connects the plan to the PHA and consequence analysis, so that toxic, fire, explosion and spill scenarios drive muster, shelter-in-place and evacuation decisions; covers the organisation, communication and mutual aid required by 1910.119(n), 1910.38 and Seveso; and then teaches how to design drills with objectives, injects and evaluators. Participants run a tabletop drill on a case plant and debrief it.

Learning outcomes

- Derive planning scenarios from PHA and consequence contours, including escalation
- Structure the plan: organisation, roles, command post, communications, external agencies
- Set muster, shelter-in-place and evacuation decision rules from dispersion and fire results
- Meet the requirements of 1910.119(n), 1910.38, 1910.120 and the Seveso internal emergency plan
- Design a drill: objectives, scenario script, injects, evaluators and safety controls
- Debrief and convert drill findings into plan, training and equipment actions

Who should attend

Emergency response coordinators, HSE and process safety engineers, incident commanders and shift supervisors; contributors to the site emergency plan and Seveso internal emergency plan

Course outline

MORNING

Response lessons from Bhopal and Toulouse · regulatory framework: 1910.119(n), 1910.38, 1910.120, Seveso III · scenario selection from PHA and consequence analysis · organisation and incident command · alarms, muster, shelter-in-place and evacuation logic · communications and mutual aid

AFTERNOON

Plan document structure and maintenance · drill types and progression: tabletop, functional, full-scale · drill design: objectives, script, injects, evaluators · tabletop drill on a case plant · debrief and corrective action tracking · annual programme

Standards referenced

`OSHA 29 CFR 1910.119(n)` `OSHA 29 CFR 1910.38 and 1910.120` `NFPA 1600` `Seveso III Directive` `CCPS Guidelines for Technical Planning for On-Site Emergencies`

Tools & exercises

Scenario contours from CeraImpact used as drill inputs; drill-design templates provided

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, CCPSC and IEC 61511 Functional Safety certified — with 200+ years of cumulative plant experience.