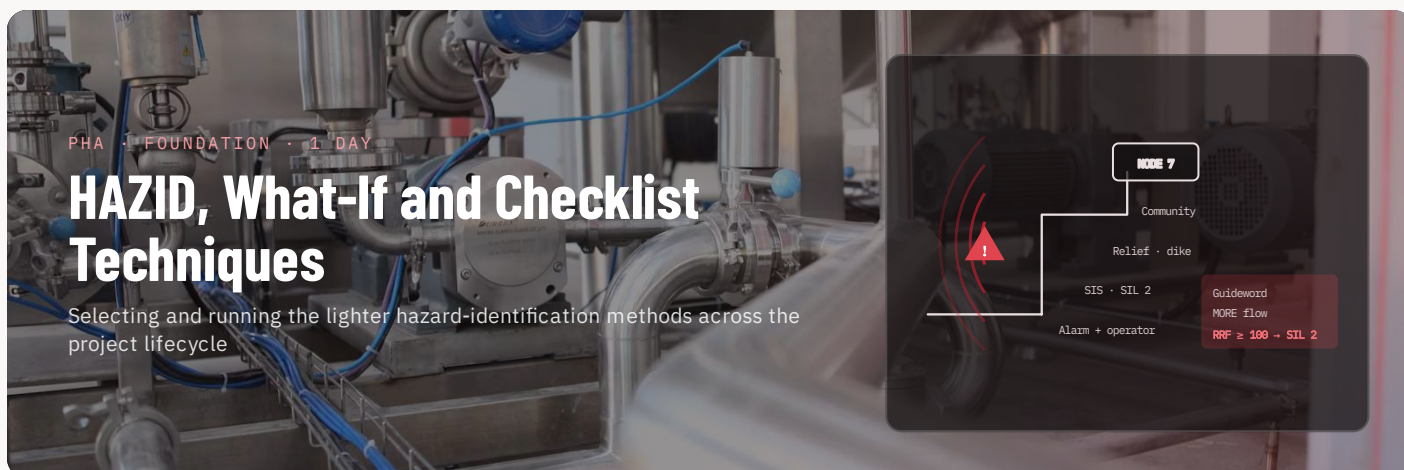




PHA · FOUNDATION · 1 DAY

HAZID, What-If and Checklist Techniques

Selecting and running the lighter hazard-identification methods across the project lifecycle

DURATION
1 day

LEVEL
Foundation

FORMAT
On-site classroom · virtual instructor-led

LANGUAGE
English

MAX. PARTICIPANTS
16

3

techniques applied to one plant

1

checklist built for your site

1

method-selection guide

Overview

Not every question deserves a HAZOP. HAZID at concept stage, What-If reviews for changes and checklists for start-up and routine tasks each find hazards a guideword study would miss or reach too late. The course covers when each technique is the right choice, how to structure and facilitate it, how to record the result so it links to the later HAZOP, and how to keep a checklist from becoming a tick-box exercise.

Learning outcomes

- Choose the hazard-identification technique that suits the lifecycle stage and the decision being made
- Plan and run a HAZID with a hazard/guideword register suited to the facility
- Facilitate a structured What-If review for a change or a non-standard operation
- Build and maintain checklists that ask about the site's real hazards
- Record results in a register that feeds the HAZOP, the risk register and MOC
- Judge when a lighter study has found something that needs a full HAZOP or a consequence model

Who should attend

Process, safety, project and operations engineers who run or take part in hazard identification at concept, FEED, MOC and operations stages

Course outline

MORNING

Hazard identification across the lifecycle · HAZID structure: hazard categories, guidewords and register · facilitation and team composition · HAZID exercise on a concept plot plan · linking HAZID to ENVID and HAZOP

AFTERNOON

What-If and What-If/Checklist method · running a What-If on an MOC package · checklist design and pitfalls · building a site checklist from incident history · recording in CeraPHA Studio and report expectations

Standards referenced

IEC 31010 · ISO 17776 · IEC 61882

CCPS Guidelines for Hazard Evaluation Procedures

OSHA 29 CFR 1910.119(e)

Tools & exercises

Registers and worksheets recorded in CeraPHA Studio; checklist templates supplied

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; some plant or project experience helpful

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

sales@cerasus.ai · +974 5506 2743

Cerasus Technologies QFZ LLC · Ras BuFontas Free Zone · Doha, Qatar