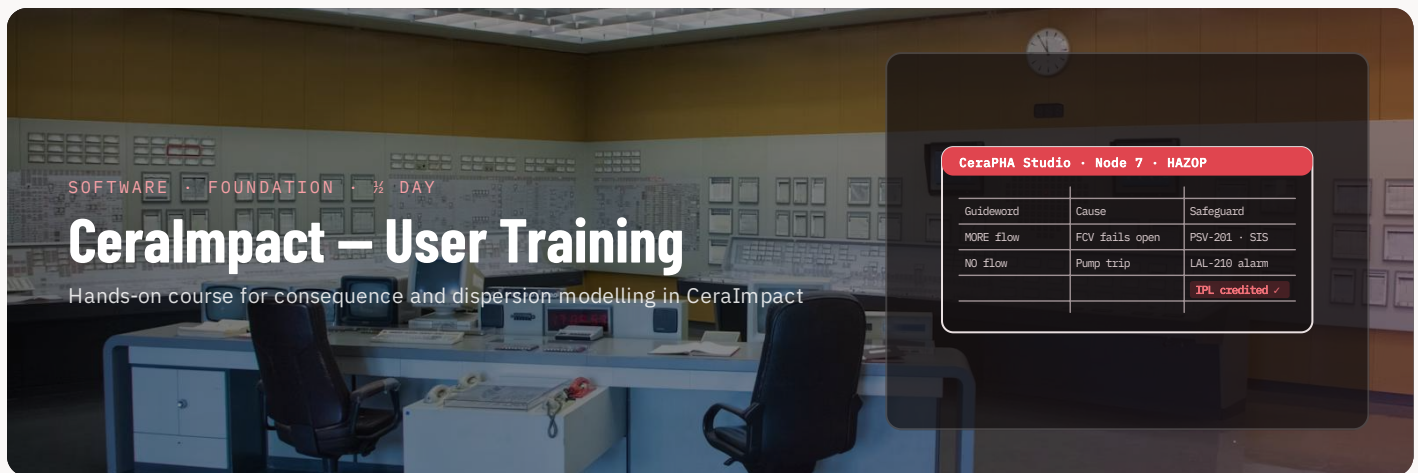




DURATION
½ day

LEVEL
Foundation

FORMAT
On-site classroom · virtual instructor-led

LANGUAGE
English

MAX. PARTICIPANTS
16

½ day
hands-on

1
plot plan modelled end to end

Admin
module for IT owners

Overview

A short, hands-on course that takes a user from installation to a set of consequence contours on their own site map: importing and georeferencing the plot plan, defining release scenarios and weather sets, running dispersion, fire and explosion models, and mapping the results against occupied buildings and escape routes for API 752/753 work. Administrators cover material databases, weather libraries and client/server settings.

Learning outcomes

- Create a project and georeference a plot plan or satellite image
- Define source terms, hole sizes and weather sets
- Run dispersion, pool fire, jet fire, flash fire and explosion cases
- Overlay harm criteria on buildings and evaluate siting per API 752/753
- Produce contour maps, tables and study reports for PHA and ERP use
- Administer users, material and weather libraries and client/server settings

Who should attend

Process safety and loss-prevention engineers, plant layout engineers, emergency planners and administrators who will use or manage CeraImpact

Course outline

SESSION 1

Installation and editions · project set-up and map import · materials, source terms and weather · dispersion runs and toxic/flammable contours · fire models and radiation levels

SESSION 2

Explosion methods and overpressure contours · building and population overlay · reports, images and export to PHA tools · administration and libraries · Q&A on participants' own site

Standards referenced

API RP 752 / 753 CCPS Guidelines for Consequence Analysis
 TNO Yellow Book API 521

Tools & exercises

CeraImpact (Windows, web or client/server edition), participants' own licence

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

Basic consequence-modelling knowledge; TR-B01 recommended

CERTIFICATION

Certificate of completion

INSTRUCTORS

Practising engineers — TÜV HAZOP Leader, CCPS 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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