



DIGITAL SOLUTIONS

PHAST MULTI COMPONENT MODELLING EXTENSION

Course code: SA-11

Duration: 1 day

Prerequisite:

The course is suitable for users familiar with Phast software and who have previously attended SA-01 Phast training. SA-03/05 Phast advanced modelling would also be of benefit, but are not mandatory.

DESCRIPTION

The multi component extension allows users to simulate the release of mixtures more accurately within a range of the consequence simulation models in Phast. The course covers the capabilities and limitations of the enhanced multi-component (MC) methodology.

The multi component functionality is demonstrated, and an understanding of this methodology is enhanced by worked hand calculations. The course also highlights the application's ability to perform point property calculations and flash calculations. It also introduces methods of manual workarounds to complex modelling problems not covered by the standard functionality.

LEARNING OBJECTIVES

Upon completion of this course, you will understand and be able to use the theoretical and practical aspects of Safeti to build a QRA model of a hazardous facility. You will learn how to identify hazards, divide these into logical isolatable sections, develop representative failure cases based on these using the "methodical leak/rupture" approach, and acquire all the background data necessary to build a QRA in Safeti.

TARGET GROUP

Experienced risk analysts with previous experience using Phast or Safeti who need to carry out simulation of the accidental release of toxic and/or flammable multi component mixtures to the atmosphere. The course does not cover Phast and Safeti usage and assumes delegates are already familiar with the software.