



DIGITAL SOLUTIONS

PHAST 3D EXPLOSIONS MODELLING EXTENSION

Course code: SA-16
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 beneficial, but not mandatory.

DESCRIPTION

Phast contains a new extension for performing more advanced consequence calculations from explosions. This new approach to explosion modelling takes account of the effects of congestion and confinement and the interactions between the dispersing cloud and these regions when calculating overpressure and impulse results.

The new modelling allows the user to select either the Multi Energy or Baker Strehlow Tang explosion methodologies.

This course describes how to use the extensive new functionality, including defining obstructed regions, viewing effect contour results, and setting options for the 3D explosion calculations.

LEARNING OBJECTIVES

Upon completion of this course, you will understand the theoretical and practical aspects of the 3D explosion modelling available in Phast. This course focuses on the features available in the software and explains how to use these to build a model of the plant which includes congestion and confinement information and obtain the effect contours for overpressure and impulse effects.

TARGET GROUP

Users with previous experience using Phast who need to carry out detailed consequence modelling calculations involving explosions. The training does not cover Phast usage and assumes delegates are already familiar with the software.