



DIGITAL SOLUTIONS

SAFETI TRAINING

Course code: SA-02

Duration: 5 days

Prerequisite:

The course is suitable for new users and for more experienced users who have not attended a formal training course or would like a refresher course.

A basic understanding of the concept of consequence modelling and QRA is required, as is some experience of the process industry.

DESCRIPTION

The course introduces the concepts and models within Safeti. It will cover all areas of consequence modelling within the software, including:

- Discharge
- Dispersion
- Pool formation and evaporation
- Fires
- Explosions
- Toxic effects

The course will also cover all areas of risk modelling within the software, including assessment of the impact of hazardous releases on the human population, taking account of probabilistic meteorological data (wind-roses), event frequencies, ignition probabilities, and location of population areas. You will be required to practice and apply your new knowledge of the software through extensive hands-on workshops.

LEARNING OBJECTIVES

Upon completion of this course, you will understand and be able to use the theoretical and practical aspects of Safeti. Starting from the release case scenario models, you will use them to develop a simple QRA (Quantitative Risk Analysis) example. You will learn to use the extended functionality provided by Safeti, including population and ignition source definition on a map. The course also covers the additional reporting capabilities provided in Safeti, such as risk contours, F/N curves and risk ranking reports.

TARGET GROUP

Users who need to carry out QRA calculations in the process industries, including regulators and legislators, insurance companies, engineering contractors and consultants, or users who need to understand the output of a QRA model built in Safeti.