

## Quantitative Risk Analysis Training

Course 108/128



### Course Description

Quantitative Risk Assessment (QRA) provides an estimate of the risks posed as well as enabling risk mitigation methods to be evaluated so that risk can be reduced to acceptable levels. This training course examines the techniques required to quantify risk assessments to both evaluate and minimize risk both internally and externally to the outside community. The topics covered in the course include:

- ❖ Hazard Identification
- ❖ Consequence Analysis, including loss of containment calculation, explosion modelling, fire modelling, and dispersion modelling
- ❖ Frequency Analysis
- ❖ Quantifying Risk, by using techniques such as Probit Analysis

### Course Objective

This course will train your staff in conducting efficient and comprehensive QRAs internally.

### Benefits

This course will be beneficial to you and your organization for the following reasons:

- ❖ Participants gain the ability to lead your teams, which carry out your QRAs
- ❖ The course enhances easy learning, comprehension and success through a step-by-step approach
- ❖ Interactive learning and real world examples are used throughout
- ❖ Course features several interactive workshops
- ❖ Instructors use both industry examples and client's own examples

### Who Should Attend?

A wide variety of professionals and organizations will benefit from taking the QRA Training:

- ❖ QRA Team Leaders
- ❖ Supervisors and Managers



- ✧ Team Members
- ✧ Engineers
- ✧ Others who need to acquire the necessary skills to conduct, manage and produce a QRA study

### Course Length

4 days