



Certified Quantitative Risk Assessment (QRA) Professional



VELOSI TRAINING
INSTITUTE L.L.C.

Overview

Quantitative Risk Assessment (QRA) is a valuable tool for determining the risk associated with the handling, transport and storage of hazardous substances. This practical, hands-on online training course on QRA will enable the participants to conduct a quantitative assessment of the risk and integrate the results into design and operations in Oil and Gas and Process industries.

Learning Outcomes

By the end of this course, participants will gain a cognitive skill in terms of:

- Risk Assessment Techniques
- Hazards Identification & Frequency Estimation
- Source Term Modelling
- Individual & Societal Risk Assessment
- Risk Management & ALARP demonstration
- Perform a Quantitative Risk Assessment

Who should attend?

- Risk Management & ALARP demonstration
- Perform a Quantitative Risk Assessment

Certificate

Upon successful completion of the training and examination, participants will be awarded '**Certified Quantitative Risk Assessment (QRA) Professional**' certificate depending on years of experience.

Course Outline

Day 1:

- Introduction to QRA
- Risk Assessment Techniques
- Major Accident Hazards
- Introduction to Case Study
 - Process Detailing
 - Layout & P&IDs

Day 2:

- Isolatable Sections
- Failure Case Definition
- Source Term Release & discharge calculation
- Dispersion Analysis

Day 3:

- Failure Frequency Analysis
- Event Tree Analysis
- Risk Estimation
- QRA software

Day 4:

- Risk Reporting in terms of Individual Risk & Societal Risk
- Risk Management & Sensitivity Analysis
- Cost Benefit Analysis & ALARP Demonstration
- Intro to other technical safety studies (FERA, BRA, EERA)

Other Courses We Offer:

- Safety Certification Exam Course
 - CFPS
 - CIH
 - ASP/CSP CFSP/CFSE
- Oil & Gas/Energy Industry Training
 - Asset Integrity Management
 - Pipeline Integrity Management
 - Wellhead Integrity Management
 - Structural Integrity Management
 - Certified PHA HAZOP Leader
 - SIL Selection and Verification
 - Process Design Training
 - API Trainings.
- Maintenance & Reliability Certification Exam Courses
 - CMRP
 - CMRT
- After this Standardized Test Training
 - Quantitative Risk Assessment
- NEBOSH courses
- Firefighting Training
- H2S & BA Training
- First Aid Courses/Training
- HSE Courses/Training
- IOSH/OSHA Certified Courses IADC Certified Courses
- ISO Training
- Security and Safety Training
- Environment Protection Training
- Standardized Test Training
- Administrative and Management Skills Training
- High-field (HABC) Accredited Trainings

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