



Certified Quantitative Risk Assessment (QRA) Professional



VELOSI TRAINING
INSTITUTE L.L.C.

Introduction

Velosi Training Institute LLC is a new venture of Velosi Asset Integrity Limited, which offers a comprehensive range of specialized courses in Certified Technical Training, Exam Preparatory, HSE, Training in Oil and Gas Field, ISO, NEBOSH, IOSH, Food Safety Courses, Administrative & Business related trainings, Corporate and Postgraduate Qualifications.

Our most valuable asset at Velosi, as a globally recognized training provider, is our experienced trainers, who are experts in their fields and can tailor the curriculum to our clients' specific needs in order to sharpen their knowledge, prepare them for the next phase of their careers, and implement best industry safety practices.

Course 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 Objectives:

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 impact on the reliability assessments

Who should attend?

QRA is recommended but not limited to below listed professionals.

- Process Safety, Design, Risk Engineers & Managers.
- Individuals interested in expanding their Process Safety knowledge.

Benefits

Learning is an investment that pays off in the long run. It allows a person to expand their career prospects, improve their professional skills, and become more competent.

- Career Development
- Increased Job Opportunities
- Technical Expertise
- Worldwide Recognition

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

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)

Training Details

Trainer Qualifications	Mr. Hemant holds a Bachelor's Degree in Chemical Engineering with advanced training in PHA and process safety management. He brings 29+ years of experience in oil and gas, Petrochemical, Polymer, HSE, and process safety with over 10 years of experience in training.
Mode of Training	Training will be conducted via Microsoft teams online. Meeting invites will be shared on the day before the first day of training.
Course Material	<ul style="list-style-type: none">• Presentation Slides• Training Recordings• Study References
Number of Participants per Class	Minimum of 10 students per batch Course Duration is 25 hrs. Including examination & clarifications. The training schedule is flexible and will be either in the mornings on the weekends and evenings on weekdays as per Velosi's approved Training schedule.
Registration / Payment Method	The interested participants should register his/her name and other necessary details through Velosi's online registration form or email confirmation to the designated contact person. Payment must be settled in full after the registration process. Payment can be made online through the payment link provided by Velosi or through bank transfer.
Certification Issuance Policy	The training certificate (Digital Copy) will be awarded to participants who completed the training and passed the exam with 80% or higher score.

Discount Scheme

Participants can avail for a group discount when signing up for 2 or more courses.

Group Discount (same company only)

- 15% Discount for groups of 5 or more.
- 10% Discount for groups of 3-4.

Bundle Discount

- Sign up for 2 courses and get an extra 10% off.
- Sign up for 3 courses and get an extra 15% off.

Why Choose Us

- In-Depth Comprehensive Explanation of all Sections.
- Continuous Assessment with Section-wise Practice Tests.
- Study Material in the form of PPT, Group Discussions, etc. written in very easily understandable manner.
- Technical clarifications at all levels during/after training.
- Providing Real Exam Questions & Answers.
- Offers reasonable price and seasonal discounts.
- Give flexibility in training schedule.
- Ability to learn at your own time with access to live recordings.
- Incorporate Case Studies from Real-World Situations.
- Trainees are eligible to earn Continuing Professional Development (CPD) credits.



Other Courses We Offer:

➤ Velosi Certified Programs

- Certified Fire Protection Professional
- Certified PHA HAZOP Leader
- Certified Process Design Professional/Expert
- Certified Reliability Professional
- Certified SIL Professional/Expert
- Certified Asset Integrity Professional/Expert
- Certified Tableau Data Analyst
- Certified Environment Impact Assessment Professional

➤ Oil & Gas Field Training

- Asset Integrity Management
- Pipeline Integrity Management
- Wellhead Integrity Management
- Structural Integrity Management
- Safety Integrity Level (SIL)
- Process Engineering - AutoCAD Training Course

➤ Health, Safety & Environment (HSE) Training

➤ ISO Training

➤ NEBOSH Training (Certificates, Awards & Diplomas)

➤ Exam Preparation Training

- BCSP Associate Safety Professional (ASP)/ Certified Safety Professional (CSP)
- NFPA Certified Fire Protection Specialist (CFPS)
- EXIDA Certified Functional Safety Professional/Expert (CFSP/CFSE)
- ABIH Certified Industrial Hygienist (CIH)
- SMRP Certified Maintenance and Reliability Professional (CMRP)
- PMI Project Management Professional
- API Training (510, 571, 579, 580, 581, 653 & RP 2SIM)
- Sig Sigma Green Belt
- ASNT NDT Level III

➤ Food Safety Training

- Basic Food Hygiene Training (level 2)
- Intermediate Food Hygiene Training (Level 3)
- Advance Food Hygiene Training (Level 4)
- HACCP Awareness Training (Level 2)
- Intermediate HACCP Training (Level 3)
- Advance HACCP Training (Level 4)

➤ IOSH Training (Managing, Leading & Working Safely)

➤ High-field (HABC) Accredited Training

➤ Administrative & Management Skills Training

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Abu Dhabi, United Arab Emirates (HQ)



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