



Certified Asset Integrity 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

Velosi is conducting online training for Asset Integrity Management. This training will provide the delegates with a complete theoretical and practical understanding in implementing asset integrity safeguard assets, people and environment.

Asset integrity management (AIM) focuses on the core elements of safety, environmental protection, reliability, regulatory compliance and data management. An effective Asset Integrity program provides assurance that a facility's equipment and assets are designed, fabricated, procured, installed and maintained in a manner appropriate for its intended application, throughout the life of the operation.

Learning Objectives:

By the end of this course, participants will learn to:

- Explore the basic Assets Integrity Management Modules
- Clarify the organizational interfaces, duties, and responsibilities of the officers involved in the development, implementation, and roll-out of AIMS.
- Learn about major operators' AIMS achievements and compare asset integrity management strategies with best-in-class operators.
- To ensure effective AIMS, increase employee involvement, empowerment, and leadership while also enhancing communications and cross-disciplinary teamwork.
- Recognize the various control methods and describe how successful mitigation can reduce risk exposure and be used to satisfy the life extension needs of aging facilities

Who should attend?

This course is appropriate for a wide range of professional but not limited to.

- Corrosion, Integrity & Static Equipment Engineers/Managers
- Inspection, Operations & Maintenance Professionals/Managers
- Asset & Project Managers
- Executives & Managers who are inspired for continual improvement, excellence and maintainable success of their organizations
- Team leaders and senior engineers working on the Asset Integrity Management System's development, rollout, and implementation.

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

Section 1: Asset Integrity Elements Overview

- Integrity elements and their dependency
- Importance of integrity elements
- Definitions and Implementation

Section 2: Asset Integrity Life Cycle

- Concept selection and definition
- Detailed engineering and design
- Operation, modification and maintenance
- Acquisition and decommissioning

Day 2

Section 3: Asset Integrity Barriers

- Integrity barrier definition and Introduction
- Barrier threats and mitigation measures
- Hard and soft barriers
- Bow Tie models

Section 4: Safety Critical Elements and Equipment

- SCE and operational Integrity management
- Identifying SCE & performance standards
- Safety critical element vs safety critical equipment
- Verification, assurance and ICP
- Major accident hazards

Day 3

Section 5: Asset Degradation and Damage

- Definition and analysis
- Time independent vs. time dependent failures
- Damage and its impact
- Key degradation and damage threats
- Bath Tub Curve
- Design concepts, identification and mitigation measures

Section 6: Operational Corrosion Management

- Establish Operational Corrosion Management
- Operational Requirements
- Standards and Recommended Practices

Day 4

Section 7: Risk Based Inspection

- Introduction and the history of RBI
- Benefits and limitations
- RBI methodology and implementation
- Written schemes
- Inspection scheduling

Section 8: Pipeline Integrity Management

- Pipeline integrity process and elements
- Pipeline mitigation techniques and overview
- Pipeline threats and anomalies
- Pipeline integrity methodology

Day 5

Section 9: Key Performance Indicators

- KPIs and their function
- Planning and Data Acquisition/CMMS Build
- Establishing Approach
- Integrity Strategy
- Lagging and leading KPI's
- Risk Management

Section 10: Asset Integrity Review

- Review strategy and preparation
- Implementing a review
- Reporting and evaluation of results

Training Details

Trainer Qualifications	Engr. Iheanachor, Johnpaul Chidiebere brings over 12 years of practical expertise in the field Oil and Gas construction, in-service inspection, asset integrity management in refineries, FPSO, Pipeline and Design Engineering and having 8 years' experience in technical training of various field under Asset integrity Management. He holds a Bachelor's Degree in Materials and Metallurgical Engineering and a certified Asset Integrity expert and taken up some courses also such as welding, QA/QC and API Courses.
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 discount of either an early bird or group discount whichever is higher with additional discount when signing up for 2 or more courses.

Early Bird Discount:

- 10% Discount if you register 2 weeks in advance.
- 5% Discount if you register 1 week in advance.

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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