



# Asset Integrity Management

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## Course Overview

Improving the effectiveness of asset management and integrity activities is vital to ensuring physical assets perform their required functions and operate reliably to support corporate goals and objectives. A successful Asset Integrity Management (AIM) Program incorporates design, maintenance inspection, process, operations, and management concept; all having a direct impact on infrastructure and equipment integrity. As a result, best practice facilities are implementing comprehensive, fully integrated systems with a culture directed at gaining greater lifetime effectiveness, value, safety, availability, profitability, and return from production and manufacturing assets.

Asset Integrity Management is a 3 day training course designed to assist asset integrity managers with achieving maximum production capacity at the lowest lifecycle cost to maintain the long term integrity of their assets. Attendees will learn new methods and techniques for understanding best practice of the most critical aspects of AIM and have access to a complimentary ISO 55000 Self-Assessment Survey to gauge your organization's asset management system readiness for ISO certification.

Regardless of your level of expertise, this course will provide you with the framework to develop and deploy an AIM Program that takes full advantage of the best practices and strengths of your organization.

## Learning Objectives

- **Identify** the key elements of Asset Integrity
- **Understand** the importance of Integrity Assurance
- **Assess** whether an Integrity Assurance Framework is present
- **Incorporate** how Bow-Tie and Safety Cases are key inputs into an Integrity Assurance Program
- **Acquire** the reference integrity related KPIs
- **Explore** the need for monitoring Integrity Assurance
- **Determine** the key enablers to a sustainable Integrity Assurance Program



## Course Format

This course will be held in a highly interactive workshop format with case studies and real-world examples.

The material has been designed using Adult Learning Methodology that believes the ideal ratio for optimum learning and retention is 60%/40%:

60% - blended combination of discussion, practical exercises, simulations, and case studies

40% - material/slides

Participants will engage in interactive exercises and discussions throughout the course to ensure the material is not only taught, but can also be applied. Limited class size (15-20 participants) is strictly enforced to enhance individual learning experiences and interaction with the instructor and other participants.

## Course Outline

- Introduction to Asset Integrity Management
- ISO 55000
- Maintenance Excellence Overview
- Work Management Process
- Reliability & Integrity Culture
- Managing Risk
- Asset Integrity Tools and KPIs
- Asset Integrity Program Implementation

## ISO 55000 Self-Assessment

Each participant will have access to the Nexus Global ISO 55000 Self-Assessment Survey to gauge their organization's asset management system readiness for ISO certification. Upon completion, a Certified Asset Management Assessor (CAMA) SME will review the results and provide a graphical report with feedback and suggestions to close gaps identified from the assessment survey.

## Takeaways

- Prioritization Tool
- Free trial of Planning Optimizer®
- ISO 55000 Self-Assessment
- Certificate of Attendance
- Training Manual
- Worksheets/Exercises
- Contact Information of Instructor for Support

## Who Should Attend

Asset Integrity Management was designed specifically for Vice Presidents, General Managers, Directors, Section Heads, Team Leaders, Senior Managers, Managers, Specialists and Engineers of:

### By Job Title:

- Maintenance / Maintenance Planner
- Inspection
- Quality Assurance / Quality Control
- CMMS and Planning Specialist
- Machinery Facilities
- Integrity and Reliability / Static Reliability
- Instrument and Control
- Plant Management

### By Sectors:

- Bio Pharmaceutical
- Facilities
- Food and Beverage
- Manufacturing
- Mining
- Oil & Gas Upstream & Downstream
- Petrochemical/Chemical
- Power Generation
- Utilities & Transportation