

An LDI Training Course

FUNDAMENTAL OF ASSET INTEGRITY MANAGEMENT

by
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Introduction

Asset is an important item that has potential or actual value to company. An asset can provide high value if managed appropriately or may lose its value if managed otherwise. A company that has physical assets intensive to produce its products or services need to manage the assets' integrity to ensure they perform effectively which will eventually create returns and not losses to the company.

Starting from defining policy, objectives and strategic management plan, asset integrity management can be planned along with providing resources, competencies, operational plan, then implementation and performance evaluation.

By understanding the elements of integrity management from managerial aspects such as leadership, responsibilities, performance audits and improvement; to more technical aspects such as life cycle, failure modes and mechanism, asset selection and criticality, inspection, testing, and maintenance, procedures, etc. an effective asset integrity management can be planned, achieved and meet its objectives.

Objective

This 3-days Fundamentals of Asset Integrity Management training is to provide knowledge and basic understanding of asset integrity management and all aspects to be considered for an effective asset integrity management.

Benefits of Attending

By attending this training, participants will be able to define and build an integrity management program for their own plant or assets, implement and evaluate its performance for continuous improvement.

Training Outline

1. Introduction to Asset Management System

(definition, standards, AMS elements, policy, objective, strategic asset management plan, asset management plan, resources and competencies, implementation, performance evaluation, improvement)

2. Asset Integrity Management

(definition, benefits of AIM, AIM market size, PDCA cycle, AIM key elements)

3. Management Responsibility

(leadership and accountability, roles and responsibilities, reporting and communication, control)

4. Asset Integrity Management Life Cycle

(AIM life cycle, effective AIM programs)

5. Failure Modes and Mechanisms

(failure modes and mechanisms, concepts in managing asset integrity, risk concepts related to AIM, risk analysis)

6. Asset Selection and Criticality

(asset register, asset selection and criticality determination)

7. Inspection, Testing and Preventive Maintenance

(planning, acceptance criteria, task interval, example, execution and monitoring)

8. Asset Integrity Procedures

(types, development process, example, implementing and maintaining procedures)

9. Equipment Deficiency Management

(acceptance criteria, asset conditions, response, tracking)

10. AIM Program Implementation

(budgeting and resourcing, initial implementation, ongoing implementation, data management)

11. Performance Metrics, Audits and Continuous Improvement

(measurement and monitoring, leading and lagging indicators, audit, follow up, management review)

Who should attend

Asset integrity engineer, inspection engineer, maintenance engineer, facilities engineer, HSE engineer, HSE supervisor, process safety engineer, process engineer, mechanical engineer, electrical engineer, instrumentation engineer, structural engineer, QA/QC engineer, plant supervisor, plant operator, plant manager, operations manager and any related personnel of an organization who wants to broaden their knowledge in this area.

Training Facilitator

Sophia Kangan is an experienced practitioner with more than 30 years working in the areas of engineering, integrity management and field development particularly for the upstream oil and gas industry.

She holds a bachelor of engineering degree in Civil Engineering from Parahyangan Catholic University.

She has worked for several multi-national and national oil & gas companies. During her early employment with a major oil and gas company, she carried out integrity assessments for the whole fleet of offshore structures within the company's production assets. She also handled many aspects related to integrity management such as system establishment, inspection program development, program implementation coordination, fitness for service assessment and maintenance & repair program establishment.

Her area of expertise also includes project development such as capital value process, conceptual development, technology selection, engineering design, engineering assurance, project readiness review.

She has also participated as technical presenter and panel speaker in a number of national and regional workshops, conferences and seminars.

Methodology of the Training

This training will be conducted in Bahasa Indonesia and will be carried out using in the method of presentation, discussions and case studies to suit the needs of the participants.

TRAINING CONFIRMATION

LDI Training will provide a Confirmation Letter after we receive registration according to the required quota.

For course registration and more information please email to

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