Course: **A Practical Approach to Risk Assessment and Management (OSHE)**

Contact Hours: **30**

Pre-requisite: **None**

Abstract

Risk assessments and management have been a key part of the occupational environment, but in recent years, it has become an increasingly important part of organizational best practices. Corporations have realized that effective risk assessments and management can reduce negative impacts, provide positive benefits, cost savings and preventions of incidents & accidents.
The risk management framework provided in this workshop is flexible enough for any organization. You can apply it to single or multiple projects, a department, or use as a basis for an enterprise-wide risk management program.

Target Audience

Professionals, managers, team leaders, engineers, specialists, supervisors, technicians, private and public sector construction and general industry workers, health and safety personnel, foremen, students and contractors.

Learning Outcomes

On completion of this course, learners will be able to:

1. Define risk and risk management
2. Understand the COSO ERM cube and ISO 31000
3. Establish their risk management context
4. Understand the 7 R's and 4 T's that form the framework of risk management activities
5. Design and complete a basic risk assessment
6. Determine the appropriate response to risks and create a plan for those responses

7. Understand the key components of reporting, monitoring, and evaluation of a risk management program

Course Content

Introduction, Course Outline, Guidance on Reading

- Review of OSH Act amended 2006
- Environmental Management Authority (E.M.A.)
- Noise Pollution Rules
- Water Pollution Rules

Introduction and Course Overview

- Safety at Work
- Safe Environment

Understanding Risk

- Control of Work
- Safe System of Work

Risk Management Activities

- Permit to Work System
- Hot Works and Spark Potentials
- Cold works

Assessing Risk

- What is a Hazard
- Types of Hazards
- What is a Risk
- How to calculate Risks

Responding to Risks, Resourcing Controls

- What is a Control Methods
- Developing Control Methods and Strategies

Reaction Planning, Reporting and Monitoring

- Review of risk assessments such as Job Safety Analysis (J.S.A.) and Job Hazard Analysis (J.H.A.)
- Level 1 & Level 2 Risk Assessments
- Process Hazard Analysis (P.H.A.)
- Hazard and Operability (H.A.Z.O.P.S.)
- Hazard Identifications (H.A.Z.I.D.S.)

Reviewing and Evaluating the Framework

- Level 1 Risk Assessment (practical) using different case studies
- Level 2 Risk Assessment (practical) using different case studies
- Overall Review and ranking

Risk Register

- Recording the risk register
- Database-Archiving
- Types of database

Monitoring

- Monitoring
- Types of monitoring

Audits

- Audits
- Types of Audits