



Conference: Risk Management & Effective  
Internal Audit



29 December 2024 -  
2 January 2025  
Cairo (Egypt)



# Conference: Risk Management & Effective Internal Audit

REF: C1994 DATE: 29 December 2024 - 2 January 2025 Venue: Cairo (Egypt) - Fee: 4095 Euro

## Introduction

Environmental Management Systems are based on a proactive process for incident prevention as well as reactive monitoring of performance. Risk assessment is required to be applied to all activities that impact health & safety, production, asset, environment, and the Company's reputation, also this conference goes beyond the boundaries of risk assessment and management it helps the participants to create knowledge in the effective techniques of internal audit.

## Conference Objectives

At the end of this conference, the participants will be able to:

- Learn how to evaluate different types of risk
- Develop the skills of applying advanced risk assessment techniques relevant to the process industry
- Develop a strategy for planning and implementing risk reduction action plans
- Appreciate the contribution of human error to accidents
- Apply advanced techniques for root-cause analysis of incidents
- Define internal auditing and internal control
- Identify "high-risk" processes and build control systems that mitigate the risk
- Develop control-based internal auditing recommendations that truly help management meet tactical and strategic objectives
- Audit Evidence and Audit Sampling

## Targeted Audience

- Risk managers & project managers.
- Members of project offices, and project sponsors.
- Functional managers, senior management
- Individuals interested in Risk Management and Internal Audit

## Conference Outline

### Unit 1: Quantified Risk Assessment [QRA]

- Failure Modes & Effects Analysis [FMEA]
- Decision trees and Event Tree Analysis [ETA]
- Sources of failure data
- Fault Tree Analysis [FTA]
- Quantification of ETA and FTA
- Evaluation of Individual and Societal Risks

### Unit 2: Advanced Incidents Investigation Techniques

- Human contribution to accidents
- The role of root cause Analysis in identifying management system failures
- Accident investigation techniques

- Latent failure and root causes for incidents
- Techniques for root-cause analysis

### Unit 3: Internal Auditing and the Business Environment

- Define Internal Auditing
- Identify the Components of an Effective Internal Audit Function
- Define the Management Responsibilities of an Internal Audit Function
- Define the Various Types of Internal Audits
- Define Alpha and Beta Audit Risk
- Perform Compliance, Substantive, and Operational Tests
- Calculate Audit Risk
- Discuss the Basic Concepts of Audit Evidence, and their Impact

### Unit 4: Planning and Conducting Successful Audit Interviews

- Plan Interviews
- Discuss a Framework for Planning, Conducting and Evaluating the Results of Interviews
- Overcome Resistance
- Manage Conflict with Management
- Listen Effectively
- Talk Effectively in a Non-Threatening Environment
- Get to "Yes"
- Understand the Nature of Confidentiality of Information

### Unit 5: Promoting a positive safety culture

- Introduction to Safety Culture
- Techniques for improving safety culture
- Measuring improvements in safety culture
- Integrating safety culture within the HSE Management System