



**MAESTRO**  
CONSULTANTS

**FACILITATE RISK  
ASSESSMENT,  
PROPOSE RECOS  
LIAISE &  
FOLLOW UP**

**COURSE OUTLINE 2020**

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## **TRAINING TITLE**

FACILITATE RISK ASSESSMENT, PROPOSE RECOS LIAISE & FOLLOW UP

## **VENUE**

Dubai, UAE

## **DURATION**

5 Days

## **DATES**

19 - 23 July 2020

## **PRICE**

US\$4,000 per attendee including training material/handouts, morning/afternoon coffee breaks and Lunch buffet daily.

## **TRAINING INTRODUCTION**

The assessment and control of risk are essential requirements for a proactive HSE management system. This course covers the process of facilitating, analyzing and evaluating hazards which involves both causal and consequence analysis and requires determination of likelihood and risk.

The course aims to provide hands-on experience in the application of risk assessment techniques to all aspects of production operations. It ranges from workplace/activity to the task-based risk assessments and advanced risk assessment techniques. Analysis of the consequences of major hazards. Aspects of human error in relation to accidents are analysed and included in the general framework of risk assessment.

## **TRAINING OBJECTIVES**

**By the end of this course, the participant will be able to:**

- Recognize the difference between hazard, risk and risk assessment
- Evaluate different types of risk
- Apply risk assessment techniques
- To describe the role and structure of the HAZOP team and procedures.
- To introduce the role, responsibilities and conduct of HAZOP team leader.
- To provide sufficient hands-on experience in the application of the HAZOP to different processes, systems and machinery.

- Develop a strategy for planning and implementing risk reduction action plans
- Develop the skills of applying advanced risk assessment techniques
- Develop a strategy for planning and implementing risk reduction action plans

## **TRAINING AUDIENCE**

- All Supervisors and line management who need to fulfil their role within HSE-MS
- Production, process, mechanical, control, maintenance and HSE personnel
- Operator II(Production), Engineers, Supervisors, It is aimed at people with a stake in Operational and production Success working in the Oil & Gas Industry
- All personnel involved in implementing the Company's HSE Management System

## **COURSE OUTLINE**

### Definitions:

- Hazard
- Hazard Identification
- Risk
- Risk Assessment
- Risk Control.
- Fundamentals of Facilitation

### Systematic Risk Assessment

- Define Objectives
- Identify Risk Events
- Risk Assessment Techniques: HAZOP
- Introduction to hazards identification and analysis techniques
- Techniques for hazard identification and analysis - HAZOP
- Syndicate exercise - application of HAZOP to relevant processes
- Integrating HAZOP within the risk management system
- Planning and implementing HAZOP Actions

### Risk Assessment as one of the Safety Management Systems' Elements.

- Work Permit System and Risk Assessment
- Spot the Hazard
- Assess the Risks
- Risk Assessment Table
- Control Measure Determination
- Monitor and Review
- Hazards Checklist
- Control Measures Guidance
- Risk Matrix Technique, that Include Probabilities and Consequences
- Sensitivity Analysis
- Decision tree Analysis
- Technical Uncertainties Facilitation and Management

- Exploration
- Appraisal and Feasibility Studies
- Development Planning
- Production
  - Commercial Uncertainties Facilitation and Management
- Market Factors
- Human Factors
- Portfolio Facilitation and Management
  
- Overview
- The Budget Line
- Indifference Curves
- Market and Taste Combined
- The Efficient Frontier with Respect to Risk and Value
- Impact of Diversification on total Portfolio Risk

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

## **TRAINING CERTIFICATE**

**MAESTRO CONSULTANTS** Certificate of Completion for delegates who attend and complete the training course

## **METHODOLOGY**

Our courses are highly interactive, typically taking a case study approach that we have found to be an effective method of fostering discussions and transferring knowledge. Participants will learn by active participation during the program through the use of individual exercises, questionnaires, team exercises, training videos and discussions of “real life” issues in their organizations. The material has been designed to enable delegates to apply all of the material with immediate effect back in the workplace.