

**Training Title**

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

**Training Duration**

**5 days**

**Training Certificate**

**Define Management Consultants Certificate of course completion will be issued to all attendees.**

**Training Venue and Dates**

REF	Facilitate risk assessment, propose recos liaise	5	17 – 21 February,	\$6,250	Amsterdam, Netherlands
HS013	& follow up	days	2020		

**Training will be held at any 5 Star Hotels. Exact venue will be informed later**

**Training Fees**

- **6,250US\$ per participant for Public Training including Course Materials/Handouts, Tea/Coffee, Refreshments & International Buffet Lunch**
- **Training will be held at any 5 Star Hotels**

**TRAINING OVERVIEW**

**TRAINING DESCRIPTION:**

**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**

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human error in relation to accidents are analysed and included in the general framework of risk assessment.

**TRAINING GOAL:**

To enhance the participant's knowledge, skills, and abilities to necessary to understand how to facilitate and manage 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 METHODOLOGY:**

A highly interactive combination of lectures and discussion sessions will be managed to maximize the amount and quality of information and knowledge transfer. The sessions will start by raising the most relevant questions, and motivate everybody find the right answers. You will also be encouraged to raise your own questions and to share in the development of the right answers using your own analysis and experiences. Tests of multiple-choice type will be made available on daily basis to examine the effectiveness of delivering the course.

All presentations are made in excellent colorful power point. Very useful Course Materials will be given.

- 30% Lectures
- 30% Workshops and work presentation
- 20% Group Work& Practical Exercises

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- 20% Videos & General Discussions

### WHO SHOULD ATTEND?

- 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**

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- 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

**NOTE:**

**Pre & Post Tests will be conducted**

**Case Studies, Group Exercises, Group Discussions, Last Day Review & Assessments will be carried out.**

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P.O BOX 45304  
ABU DHABI, U.A.E

T +971 2 6264455  
F +971 2 6275344

[www.definettraining.com](http://www.definettraining.com)