

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



**HSE106**  
**Health, Safety &**  
**Environmental**

**COURSE TITLE****FACILITATE RISK ASSESSMENT, PROPOSE RECOS LIAISE & FOLLOW UP****COURSE DATE/ VENUE**

25 - 29 January 2021

London, UK

**COURSE REFERENCE**

HSE106

**COURSE DURATION**

05 Days

**DISCIPLINE**

Health, Safety & Environmental

**COURSE INTRODUCTION**

The assessment and control of risk are essential requirements for a proactive HSE management system. This course covers the process of facilitating, analysing 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.

**COURSE OBJECTIVE**

**Upon successful completion of this course, the delegates 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

### **COURSE 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 CONTENT**

- 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

### **COURSE CERTIFICATE**

**TRAINIT ACADEMY** will award an internationally recognized certificate(s) for each delegate on completion of training.

### **COURSE FEES**

\$6,150 per Delegate. This rate includes participant's manual, Hand-Outs, buffet lunch, coffee/tea on arrival, morning & afternoon of each day.

### **COURSE METHODOLOGY**

The training course will be highly participatory and the course leader will present, guide and facilitate learning, using a range of methods including formal presentation, discussions, sector-specific case studies and exercises. Above all, the course leader will make extensive use of real-life case examples in which he has been personally involved. 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.

- 30% Lectures
- 30% Workshops and work presentation
- 20% Case studies & Practical Exercises
- 10% Role Play
- 10% Videos, Software or Simulators (as applicable) & General Discussions