

**Course Name: Risk Assessment & Risk Management for Oil & Gas Projects**

**Reference Code: Projec109**

### **About the course:**

Because of increased pressure to deliver projects on time, within budget and with the agreed components, the need to identify, manage and control the project-based risks becomes central to success. Project Managers need to use tried and accepted techniques for managing identified risks and have access to practical strategies for dealing with issues as they emerge

### **Course Objective:**

- Use practical steps and processes to manage project risk
- Identify threats & opportunities & weigh their relative value in a project
- Control multiple risks using limited strategies
- Overcome psychological barriers to risk in stakeholders & team members
- Evaluate risk assessment & risk management during the project closure phase of the project.

### **Who Should attend?.**

- Project Management Team members
- Operations Managers
- Project Managers
- Oil and Gas Enterprise Architects
- Asset Managers
- Maintenance Managers
- Maintenance & Reliability Engineers
- Technical managers & supervisors
- Board level executives and non-executives

#### **Kingdom of Saudi Arabia**

101 Business Tower, 8th Floor  
Al Jubail 35513, Bldg# 9278 ,KSA  
Tel.: +966 13 361 5552

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Khobar Gate Tower  
King Fahad Street , Khobar 31952  
Tel.: 00966133308334

### Course Methodology:

This training course is designed to be a hands-on, stimulating experience. The training course is highly interactive with many discussion and practice sessions.

- ☑ Relevant computer simulations and videos .
- ☑ Copies of all presentation material.
- ☑ Variety of Learning Methods.
- ☑ Pre-test and final test.
- ☑ Case Study
- ☑ Training Groups.
- ☑ Presentation.
- ☑ Lectures

### Course Outline:

#### Day One: Introduction to Organisational Risk

- Pro's and con's of risk management
- Practical experience with risk assessment & risk management in various industries
- Risk Management throughout a project life cycle
- Methods to increase company-wide awareness, understanding & senior level support
- Risk Management at various levels of an organization
- Business risks vs technical risks vs implementation risks

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## Day Two: The Risk Management Process Wheel & Identifying risk

- Proactive Risk Management Process
- The risk management process wheel
- The risk register
- Risk Management Planning
- Risk Identification
- Risk Identification tools & Techniques

## Day Three: Risk Analysis

- Qualitative risk analysis
- High Reliability Organisations (HROs)
- The risk matrix
- Decision Making Grid (DMG)
- Quantitative Risk Analysis (QRA)
- Fault Tree Analysis (FTA) and Reliability Block Diagrams (RBD)

## Day Four: Risk Responses & Managing Risks

- Risk Response planning
- Building a Risk Management Plan
- Calculating risk management budget
- Monitoring & Reviewing
- Opportunity Assessment
- Project Execution Risk Assessment

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## Day Five: Reporting Risk Management Outcome

- What makes a bad report?
- What makes a good report?
- Creating an oil & gas risk questionnaire
- Risk evaluation
- Risk evaluation report
- Course evaluation

**Time:** 08:00 AM -03:00 PM **Numbers of hours:** 35 Hours

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