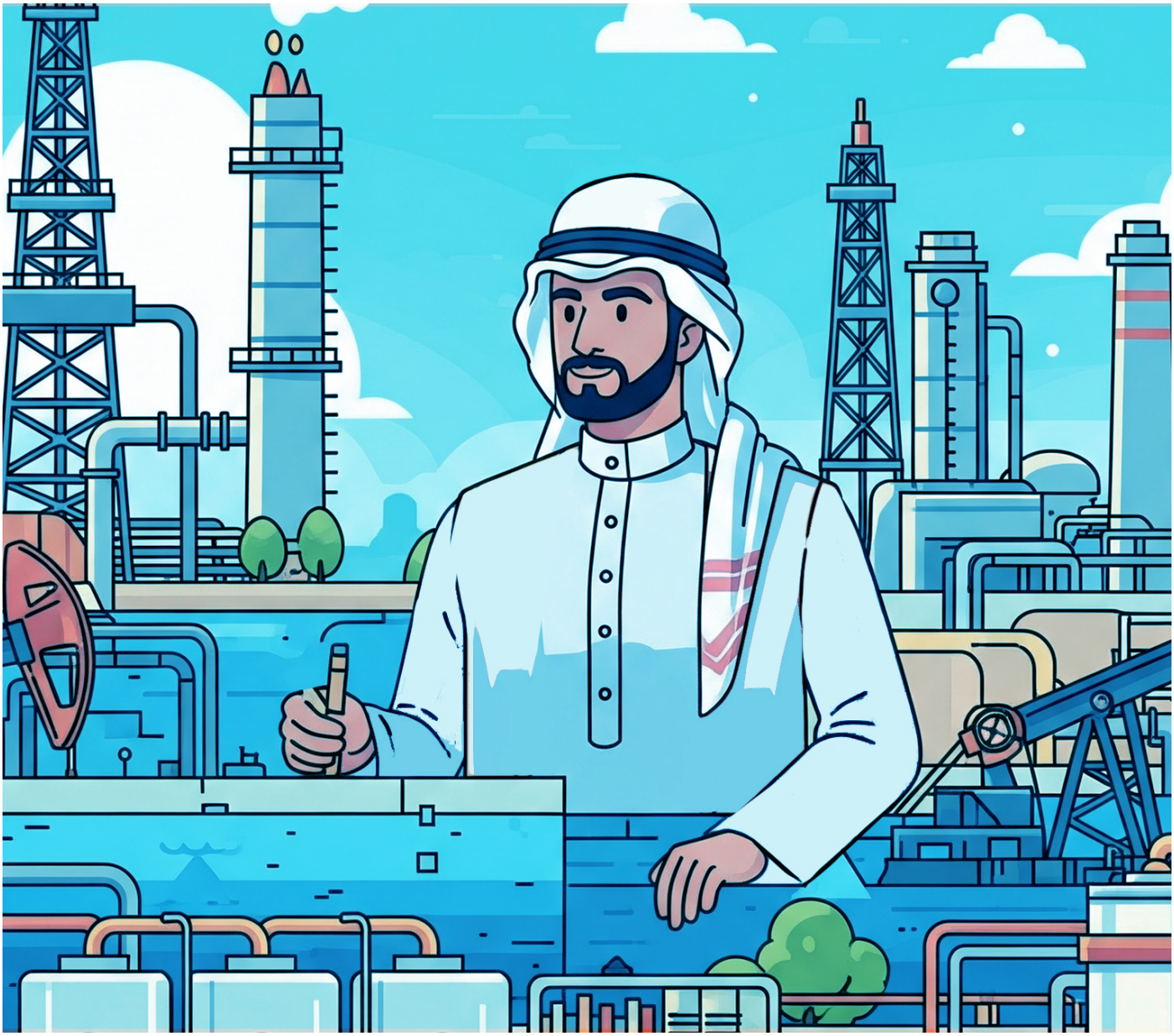
BOOST
THE LEADING TRAINING PROVIDER



Oil, Gas and Chemical

Oil and Gas Construction Project Risk Management

Course Introduction

Oil and gas construction projects are of great importance to support and facilitate the process of operation and production. However, these projects usually face chronic risks that lead to time overrun, cost overrun, and poor quality, affecting the projects' success. This training course is designed to provide participants with the essential concepts, techniques and strategies in order to manage construction project risks particularly in the oil and gas industry. This course will cover topics such as risk types. Identifying construction risks, and assessing risk exposure. Training Course Objectives

Target Audience

- Process design
- Unit Operator
- Environmental
- Process safety engineer
- Gasoline blender engineer
- Lab supervisor
- Supply chain engineer
- Distillates analyst
- Models engineer
- Chemical Operator
- Chemical Plant Operator
- Chemical Process Technician
- Control Room Supervisor
- Gas Plant Process Operator
- Gas Production Operator
- Gas Terminal Operations and Storage
- Gathering Pipeline engineer
- Oil Terminal / Storage engineer
- Pipeline Maintenance / Equipment / Compliance / Repair
- Pipeline Testing / Technician / Supervisor / Safety
- Plant Equipment Operator

- Plant Operations Technician
- Plant Shutdown
- Plant Supervisor
- Power Distribution
- Power Plant Manager
- Process Supervisor
- Refinery Operations Technician / Manager
- Terminal Operator / Manager
- Utilities Operator

Learning Objectives

- Gain a comprehensive understanding of the risk management process and techniques that can be applied in oil and gas construction projects.
- Master the uses of different tools and techniques to manage risks effectively
- Familiarize oneself with the risk management models and apply them in their construction projects effectively.
- Obtain an in-depth understanding of how risk appetite, tolerance, and escalation work
- Effectively manage and assess risks involved in construction projects.

Course Outline

- **01 Day One**

  INTRODUCTION TO RISK MANAGEMENT IN OIL AND GAS CONSTRUCTION PROJECTS

  - Risk Management Frameworks and How They Are Made
  - What Is A Risk?
  - Why Is Risk Management So Crucial?

- Risk Management Methods
- Policy And Strategy Formulation
- Risk Procedures And Protocols
- Risk Architecture
- Benefits Of Risk Allocation RISK MANAGEMENT PROCESS
- Establishing The Right Context
- Risk Ranking (Using The Raking Matrix)
- Risk Identification And Assessment Techniques
- The Cause-And-Effect Relationship That Exists In Risk
- Risk Prioritisation Methods And Analysis
- Risk Appetite, Tolerance, And Capacity
- Risk Reviewing And Monitoring Process
- Risk Profiling

• **02 Day Two**

RISK GOVERNANCE

- The RAS (Risk Appetite Statement)
- Strategies Used In Risk Management
- The Lines Of Defence Model
- Ensuring The Workflow Of Any Construction Site Is Seamless
- Safety Issues
- Risk Reporting
- Data-Driven Approach To Decision Making
- How To Transfer Project Risks

RISK MITIGATION

- International Standards In Risks
- Adhering To The Necessary Standards
- Following All The Regulations
- Ensuring Everyone Does Their Job
- How To Handle Multiple Risks
- Sharing Resources Between Different Risk Types

• **03 Day Three**

RISK TYPES AND HOW THEY ARE HANDLED

- Financial Risks And Their Effects
- Environmental Risks And Why They Should Be Handled In Detail
- Scheduling Risks
- Accepting Project Risks

- Construction Risks Management Process IDENTIFYING CONSTRUCTION RISKS
- Risk Identification Timing
- Preconstruction Phase Risk Assessment
- All The Potential Project Risks
- Brainstorming The Possible Risks
- Defining The Scope
- Handling Stakeholders To Identify Risks

• 04 Day Four

COMMON CONSTRUCTION RISKS

- Natural disasters
- Poor decision-making
- Orders management
- Poorly written contracts
- Labour shortages
- Unexpected increase in the budget
- Unknown site scenarios
- Poorly defined scope of work ASSESSING RISK EXPOSURE
- Risk identification process and techniques
- Project risks evaluation for possible exposure and level
- Overall risk management strategy
- Plan for risk o Covering all the “what if” scenarios
- Getting all the details for actions that can mitigate risks

Assessing risk costs and mitigation strategy

- Accept that some risks cannot be avoided and how to deal with them
- Risk events monitoring
- Regular assessments
- Regular strategy revisions
- Informed decision-making process
- Managing documents in every construction project

• 05 Day Five

COMMON CONSTRUCTION RISKS

- Natural disasters
- Poor decision-making
- Orders management
- Poorly written contracts
- Labour shortages
- Unexpected increase in the budget

- Unknown site scenarios
- Poorly defined scope of work

ASSESSING RISK EXPOSURE

- Risk identification process and techniques
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Confirmed Sessions

FROM	TO	DURATION	FEES	LOCATION
June 30, 2025	July 4, 2025	5 days	5950.00 $	switzerland - Geneva
Sept. 15, 2025	Sept. 19, 2025	5 days	4250.00 $	UAE - Dubai
Dec. 15, 2025	Dec. 19, 2025	5 days	4250.00 $	UAE - Dubai
Feb. 2, 2025	Feb. 6, 2025	5 days	4250.00 $	Qatar - El Doha
Oct. 19, 2025	Oct. 23, 2025	5 days	4250.00 $	Oman - Muscat