



## **Petroleum Project Management**

**Course Duration** : 5 days

**Date** : 23-Dec-2024 to 27-Dec-2024

**Location** : Madrid, Spain

**Type of Participant** : This training course is designed for and will greatly benefit exploration and production personnel with a background in geoscience, petroleum engineering, or drilling. Additionally, it is also beneficial for project managers, petroleum engineers, operations managers, HSE managers, supply chain and procurement managers, finance and budgeting professionals, technical advisors and consultants, business development and sales managers, graduates and new entrants to the industry, contractors and subcontractors, as well as senior executives and decision-makers in the petroleum sector.

### **Summary:**

Successful petroleum operations need a blend of technology, business savvy, and people skills. If you have a firm grasp of exploration or production technology, boost its impact by applying project management techniques. Running a staged program that integrates reservoir modelling, production estimating, drilling, and facility design is challenging. The tools and techniques covered in this course will help you meet that challenge.

This course provides comprehensive training on the principles, processes, and best practices for managing petroleum projects. It covers all stages of project management, from initiation and planning to execution and closeout, with a focus on the unique challenges and considerations of the petroleum industry.

### **Objective:**

Upon the successful completion of this course, each participant will be able to:



- Navigate the staged development process
- Manage the interfaces among exploration, drilling, and facility groups
- Make better decisions in field development that lead to high value and low cost
- Develop key deliverables for each stage of development to reduce uncertainty
- Properly define a scope of work
- Create a realistic, integrated schedule
- Find and reduce petroleum development risks
- Develop a high-performance team
- Develop integrated plans to run the overall program
- Capture lessons learned

### **Contents:**

## **The Project Management Process**

- Introduction to project management in the petroleum industry
- Key stages in managing a petroleum project (Initiation, Planning, Execution, Monitoring, and Closure)
- Understanding project success factors

## **Scope Definition**

- Defining the scope of a project
- Setting clear project goals and deliverables
- Managing scope changes and controlling project boundaries

## **Scheduling**

- Planning project timelines and milestones
- Managing project schedules effectively
- Coordinating tasks and resources across different phases of the project



## **Manpower Resources**

- Identifying resource needs (human resources, equipment, etc.)
- Planning and allocating resources for project phases
- Managing manpower challenges and optimizing team performance

## **Finding and Mitigating Risks**

- Identifying potential risks in petroleum projects
- Developing strategies to reduce or eliminate risks
- Adjusting risk plans during project execution

## **Project Risk Management**

- Assessing and prioritizing risks
- Developing and implementing risk management strategies
- Monitoring risks and making necessary adjustments

## **Learning, Continuous Improvement, and Quality Management**

- Emphasizing continuous improvement and learning throughout the project lifecycle
- Managing quality assurance and control in petroleum projects
- Applying lessons learned to improve project outcomes

## **Project Team Management**

- Managing and leading project teams effectively
- Building a collaborative and motivated team
- Communicating effectively with stakeholders and team members

## **Case Studies and Exercises**

- Real-life case studies on petroleum projects
- Group exercises and discussions on project management challenges



- Learning from past project successes and failures

### **Training Methodology:**

#### **Training Methodology**

This interactive training course includes the following training methodologies as a percentage of the total tuition hours:-

30% Lectures

20% Workshops & Work Presentations

20% Case Studies & Practical Exercises

30% Videos, Software etc.

Pre-Test and Post-Test

Group Work

Discussion

Presentation

In an unlikely event, the course instructor may modify the above training methodology before or during the course for technical reasons.

### **Daily Program:**

#### **Program Schedule**



**ResModtec**

- 0730 - 08:00 Registration & Coffee
- 08:00 – 0815 Welcome & Introduction
- 0815 – 0830 **PRE-TEST**
- 1040 -1100 Refreshments & Networking Break
- 1230 – 1300 Lunch
- 1315 Afternoon Session begins
- 1530 -1550 Recap
- 1600 Course Ends

*(breaks are mutually agreed on timings, without compromising course duration)*