Project Management for the Oil and Gas Industry

Course Description

This course is designed to provide tools for managing, allocating, and timing resources to achieve project's specific goals in an efficient manner. Project management is important because it ensures what is being delivered, is right, and will bring real value against the business opportunity. Due to its expanding utility and relevance, project management has emerged as a separate body of knowledge that is involved by various disciplines ranging from engineering and business to social services.

The course content covers key areas of project management such as: scheduling, risk management, quality, Capital Project Phases, Engineering & Procurement Phase, Construction Considerations, logistics, change orders, agile project management, technology impacts, leadership, communication management, and project economic indicators. All these areas are linked in such a manner that the concepts of project management are easily understood.

At the end of the training the attendee will be able to implement methodologies and best practices related to Project Management for oil and gas projects.

Who Should Attend?

This course is designed for professionals with background in project management, social studies, environmental studies, engineering or sciences who are seeking to improve long term project definition and optimization.

1.   Preferably, attendants should have some basic knowledge of project management or social projects.

What You Will Gain:

1. Learn the fundamentals of project management
2. Understand risk management importance in project management
3. Understand the concepts and best practices of scheduling, logistic, procurement management in project management
4. Learn the fundamentals and application of Agile Project Management
5. Understand the models of Leadership and how to implement them
6. Understand the importance of effective communication during project management planning and execution
7. Learn from workshops and exercises how design projects using the FEL approach

Training Methodology

The training course will combine lectures (30%) with workshop/work presentations (30%), interactive practical exercises and case studies (20%), supported by video material, software and general discussions (20%)

Course Content

Introduction to project management
- Oil & Gas Industry value chain Overview
- Introduction to project management in oil & gas industry & general overview
- Mega Projects in Oil & Gas Industry in 2020

Fundamentals of Project Management

- Project management definitions, process groups, terminology, roles
- Risk Management
- Pre-purchase order activities

Capital Project Phases & Operator Value Propositions. Quality

- Front end loading methodology
- Scheduling techniques
- Capital Project Phases & Operator Value Propositions
- Financial concepts and considerations

Quality management in project management

- Plan Quality
- Quality Planning Terms
- Quality Tools

Engineering, Procurement, and construction Phase

- Engineering & Procurement Phase
- Construction Considerations
- Logistics
- Aftermarkets/Operations
- Change Orders

Agile Project Management. Technology impact in the project management decision making process

- Agile project management applications
- Technology impact in the project management decision making process
- Political & Economic Impacts
- Case Studies

Leadership and Effective Communication

- Models of Leadership
- Inspired Leadership, framing techniques
- Building High-Performing Teams
- Evaluating a supplier
- Communication Methods

Project economics. Project assessments and presentation delivery

- Project economic indicators overview
- Economic indicators and decision making
- Real Life Project Assessment Activity
- Presentations delivery guidelines

PM Workshop

- Problem statement
- Goals
- FEL methodology
- Preparation of project plan
- Discussion and analysis of strategies
- Risk assessment
- Discussion of lessons learned