Managing Successful Projects in the Oil & Gas Industry Training program

Introduction:

Projects within the Oil & Gas sector face many prominent issues and the challenge of delivering projects has become more and more difficult. The challenges are increasingly complex; delivering innovative and technological solutions where schedules are compressed, budgets looking for cost efficiencies, safety is crucial and a network of stakeholders concerned about its impact on the environment and communities. This course provides participants with the key skills required to plan, execute, control and successfully deliver projects in the most challenging of environments. We will make good use of industry best practice project management tools backed-up with practical instruction in order to assist achievement of desired results.

Who Should Attend?

Construction Engineers, Senior Construction Engineers, Construction Supervisors, Construction General Supervisors, Construction Project Managers, Engineering Technologists, Supervision Engineer, Inspection Engineers, Civil Inspectors, Foremen, Design Structural Engineers, Planners, Structural Engineers, Material Specialists, Quality Control and Quality Assurance Experts, Architects, Supervision Engineers, Team Leaders, Site Officers and Managers, Mechanical Engineers, Technical Professionals, Field Production Supervisor, Operation Engineers, Clients Representatives, Project Management Professionals, Commercial Management Professionals, Contracts Management Professionals, Financial Management Professionals, business services professionals who have the responsibility for planning, decision-making and controlling project schedules and costs in client and contracting companies.

Course Objectives:

By the end of this course, delegates will be able to:

- Understand the importance of integrating scope, time, resources and cost management into a dynamic, manageable project management plan
- Systematically define, design, and integrate end-user requirements in the project
- Identify risk sources and learn how to mitigate potential risks and deal with uncertainty

- Develop a project recovery plan for budget and schedule overruns
- Maintain continuous project performance and delivery control
- Produce clear and concise project progress reports
- Develop project network diagrams for CPM and PERT to identify schedule and cost risks
- Identify with and manage stakeholders and communication needs in the Oil & Gas industry
- Accurately estimate and allocate project costs and resources
- Compress or accelerate the schedule when required by adverse circumstances
- Develop a project close-out plan in line with expected success criteria
- Measure, forecast and control project performance by employing earned value techniques

Course Outline:

Stakeholder Management

- Understand who the key stakeholders are and how they may impact upon the project
- Consider implications of unclear needs and expectations

Preparing for Project Delivery

- Understand the project success criteria and how the project will be measured as successful
- Define the project requirements
- Develop the scope, using product and work breakdown structures

Project Estimating

- Utilize relevant techniques for project estimating
- Understand the associated activities, their relationships and personnel required

Project Schedule Planning

- Utilize relevant techniques for project scheduling
- Develop a network diagram
- Gantt Chart, developing the schedule baseline

Project Planning: Critical Path and Network Scheduling

- Developing the precedence Network Diagram with Total and Free Float calculations
- Develop a Gantt Chart, the schedule baseline

Developing Project Budget & Schedule Control

- Understand how to estimate Cost & Schedule
- Prepare to manage or control project costs

Managing the Project Supply Chain (Crucial in Oil & Gas Projects)

- Familiarize yourself with different Contract types according to risk distribution
- Learn the difference between Fixed Price & Cost-Plus Contracts

Project Resource Management: Typical Challenges for an Oil & Gas Project

- Resource Allocation Algorithms for Resource Prioritization
- Planning and Scheduling Limited Resources
- Options for accelerating the schedule and how to deliver

Project Risk and Contingency Analysis

- Risk Management Process & Model
- Identifying Potential Risk Events typical in an Oil & Gas project
- Understand qualitative and quantitative analysis techniques
- Design appropriate risk response planning strategies

Selecting and Developing an Oil & Gas Project Team

- Challenges of an Oil & Gas project team
- Learn about different leadership models
- Dynamics of Team Development & motivation

Project Monitoring & Controlling a Project in an Unstable Environment

- Tracking the project, using Earned Value Management (EVM)
- Managing Variable Conditions, managing the tensions
- Learn about the critical chain and its growing popularity in the Oil & Gas industry

Managing Project Change

- Managing change in projects
- Understanding the best-practice change processes used in projects

Project Communication & Support

- Knowledge transfer and its importance in the Oil & Gas industry
- The benefits of utilizing a Project Support Office
- Project Reviews
- Engaging with Oil &Gas Partners and key stakeholders

Project Quality Management

- Learn about Project Quality Management
- Differentiate between Quality Planning, Assurance & Control
- Understand how quality tools can be used

Project Operational Considerations

- What are the operational considerations that need to be met and prepared for?
- What are the environment protection measures?

Project Cost and Schedule Recovery

- Project Cost and Schedule Recovery Techniques relevant to the Oil & Gas industry
- The implications of late recovery practices

Staying Focused, Delivering and Closing Your Project

- Project Management Reporting
- Project Handover & closure