Project Execution Tools & Techniques:

Achieving Project Success Training program

Introduction:

Many organizations execute wide range of Projects and often struggle to implement a consistent approach to Project Execution and ensuring sustainable Project Success. The right Project execution methods and approaches will ensure the right deliverables, right output, right outcome, right benefit, right value creation for the organizations, enhancing competitive advantage and leverage their market position. Design integrity, sustainable Procurement route, constructability and initial Start-Up of the Project are underpinned by successful Project Execution methods.

Front-end studies of a Project are useful input when identifying the best risk-reward sharing mechanism during Procurement phase, construct sequence and subsequently the readiness level of the initial Start-Up period. Design phase which feeds in to the Procurement and Construct phase will ensure any errors and gaps are identified much earlier to enhance Projects Execution and preparedness level for Start-Up activities.

This course will feature:

- Recognition and understanding of how to manage the Design, Procurement, Construct and Start-Up phases expectations effectively and successfully
- How to execute Design, Procurement, Construct and Start-Up phases taking a Project Life Cycle and collaborative approaches
- Understanding of the principles and fundamentals of Project Execution methods and approaches
- Awareness of the requirements for integrating Design, Procurement, Construct and Start-up phases in a structured approach
- Appreciation of industry wide recognized Project Management Frameworks and Standards for Project Execution
- How to use and apply consistently Project Execution processes, tools and techniques

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, Professionals from any disciplines, sectors and industries aspiring to learn about Project Execution Fundamentals and Principles, Project Professionals, Project Managers, Project Teams, Project Executives, Project Design Teams, Operations Executives, Departmental, Functional Professionals and Teams, Consulting, Contracting, ProcurementDepartment Professionals and Teams

Course Objectives:

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

- Understand how to manage the requirements and expectations at various interfaces during Project Execution
- Apply Key Performance Indicators and Success Criteria for an effective Project Execution
- Know how to Execute a Project successfully
- Appreciate how to execute Design, Procurement, Construct and ensure successful Start-Up using a structured phase by phase Project Execution approach
- Know where are the gaps and omissions in the Design, Procurement, Construct and Start-Up phases
- Manage seamless coordination and transition from the Design to Procurement to Construct and to Start-Up phases

Course Outline:

Project Execution Fundamentals

- Project Execution nuts and bolts, why we are still not getting it right?
- Phase by phase approach for Project Execution
- Industry recognized Project Execution tools and techniques
- Current gaps and challenges in Project Execution
- Hard Issues and Soft Issues in Project Execution

Design Phase and Impact to Project Execution

- Pre-Project Planning studies
- Gaps identification and analysis during Project Initiation and Conceptualization phase
- How the Design Phase will influence the likelihood of Project Execution success
- Key Considerations to ensure Design Phase integrity
- Key Performance Indicators and Success Criteria for the Design Phase

Procurement Phase and Impact to Project Execution

- Different types of Procurement route and its impact to Project Execution
- Effective Risk and Reward sharing mechanism to enhance Project Execution
- How the Procurement Phase will influence the likelihood of Project Execution success
- Key Considerations to ensure Procurement Phase integrity and feasibility
- Key Performance Indicators and Success Criteria for the Procurement Phase

Construction Phase and Impact to Project Execution

- Constructability and where are the existing gaps
- Why Constructability is still a challenge for many Organizations
- How to overcome these challenges during Project Execution
- Constructability key performance indicators and Success Criteria
- Effective Control and Monitoring tools and techniques during the Construct phase

The Start-Up Phase

- Bringing it together the Design, Procurement and Construct phases to ensure successful Start-Up phase
- Managing the interfaces in the Project Life Cycle to enhance Project Execution success rate
- Pre-commissioning, commissioning and initial Start-Up gaps and challenges
- Enhancing the Preparedness and Readiness Level of the Asset or Plant
- How the Project Execution success will influence the likelihood of Start-Up
- Key Considerations to ensure Start-Up Phase integrity and feasibility
- Key Performance Indicators and Success Criteria for the Start-Up Phase