

Construction Project Management (English Material)

Course Length: 16 hours @ 4 Days

Course Objectives

Designed as an overview of Project Management for construction project team members and new project managers. This course covers the fundamental elements of each phase of the construction project life cycle. Learn to "speak the language" of Project Management, assist in evaluating project control plans, suggest performance indicators and limits, assist in refining requirements, assumptions and constraints, and support administrative and financial project closure.

Learning Outcomes

- Apply Project Management Knowledge and Skills to Construction Projects
- Work effectively with the Project Team
- Prepare a Project Plan and Budget
- Examine Alternative Project Delivery Systems
- Control Projects: Time/Cost/Quality
- Identify, Assess and Monitor Project Risks

Course Outline

Day One: Introduction to Project Management

- What is a Project? Project life cycle
- What is Project Management
- Benefits of Project Management
- Project Management Processes and Knowledge Areas
- Construction Project Team Members: Roles & Responsibilities
- Communication Plan

Day Two: Time Management

- Work Breakdown Structure
- Task time Durations
- Project task relationships
- Critical Path Analysis (CPM)
- Schedule Control

Day Three: Resources Management

- Project Plan Optimization
- Resources Histograms
- Resource Smoothing

Day Four: Cost Management

- Cost Estimating
- Cash Flow Forecasting
- Cost Control Techniques

Day Five: Contract Management

- Procurement Routes/Project Delivery Systems
- Construction Contracts: bonds, insurance, payment certificates, change orders, etc.
- Subcontractor Management

Optional two days to be added to the training program as per customer request

Day Six: Equipment Management

- Setting Plant Hire Rate
- Replacement Age
- Equipment Valuation

Day Seven: Risk Management

- Construction Risks
- Risk Identification
- Risk Assessment
- Risk Response
- Risk Control