



Arabian Institute For Training

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# International Construction Management Seminar

## INTRODUCTION

- Project personnel working on medium to large construction projects continue to face mounting challenges in the delivery of their projects. The rapid impact of globalization has placed even stricter demands on project delivery time, cost and quality.
- Knowledgeable executives recognize that a major ingredient for project success is the active project management. It is therefore essential to have a working understanding of project planning, estimating, scheduling, and execution control procedures.
- Construction projects often encounter costly claims which delay projects and cause owners and contractors to incur damages. Understanding construction administration and claims avoidance goes a long way towards achieving sound project objectives.

This training course highlights the following topics:

- Practice in project management techniques
- Techniques to collaboratively work with others
- Understand crucial issues affecting performance
- Methods to meet deadlines
- Proven techniques to achieve project success

## OBJECTIVES

The goals of this training program are to allow the participants to:

- Assess and control work methods, resources and systems to meet works requirements
- Contribute to controlling project quality, progress and cost
- Develop and improve productive working relationships
- Monitor project progress, costs and information
- Lead project meetings and manage the performance of teams and individuals

## TRAINING METHODOLOGY

This training program enhances learning with practical activities so participants can develop knowledge and skills to manage their work more effectively and efficiently.

- Group discussions of best practices
  - Practice on key concepts to learn techniques of task planning
  - Discussion on the latest techniques for project cost, and time management
  - Presentations that demonstrate concepts and techniques
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## **ORGANISATIONAL IMPACT**

- Better outcomes in transactions with contractors and suppliers
- Reduced total cost of materials & services
- Higher productivity of personnel involved in procurement activities
- Improved contractor / supplier relationships that bring higher performance
- Develop skills in interpersonal interaction to better team work

## **PERSONAL IMPACT**

Attendees will gain by participation in this training program as a result of:

- Understanding the nature and rationale for Site Management and Supervision
- How to plan for and run site meetings
- Planning and scheduling work
- Monitoring and controlling the progress of the job
- Cost control and progress payment administration
- Managing Changes and Resolving disputes

## **WHO SHOULD ATTEND?**

- This training course is designed for persons who desire to learn practical construction project management techniques that will assist them in completing work tasks, establishing and maintaining priorities and meeting deadlines for work and projects. This training course is appropriate for new management professionals and for anyone who has an interest in a management position in any type of construction owner or contractor organization.

## **Course Outline**

### **Introduction to International Construction Management**

- The Project Participants
    - Owners
    - Engineers
    - Consultants
    - Contractors
    - Subcontractors
    - Suppliers
  - Project Concepts
  - Stakeholder Management
  - Key Leadership & Management Concepts
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## Project Delivery, Estimating & Risk Management

- Project Delivery Systems
- Value Engineering Concepts
- Construction Contracts
- Work Breakdown Structure (WBS)
- Organization Breakdown Structure (OBS)
- Application of 3D, 4D, 5D CAD and BIM
- Types of Cost Estimates and their Purpose
- Conceptual Estimation Methodologies
- Estimating Duration Assessment

## Scheduling of Work

- Master Schedule
- Network Diagrams
- Gantt Chart
- Subcontractor's Schedules
- Line-of-Balance Diagrams
- Velocity Diagrams
- Communicating Schedules
- Critical Path Calculations

## Progress Reporting & Cost Control

- Project Control Cycle
- Information Gathering
- Factors Impacting Performance
- Tracking Time, Cost and Quality
- Measuring Productivity
- On-site Productivity Improvement Methods

## Construction Claims & Dispute Resolution

- Causes of Changes
  - Managing Changes
  - Claims and Disputes
  - Arbitration
  - Mediation
  - Alternative Dispute Resolution (ADR) Techniques
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