PL: Professional Management of Projects Planning & Primavera (6) Application
Seminar Outline

►Overview:

Professional Projects Planning & Primavera Application is a practical seminar presented by professional engineers with extensive international experience.

This seminar will help candidates to prepare projects elements organization, develop a bar chart program, customize CPM, present cash flow & resource management, prepare all progress reports, prepare other control reports, present a revised plan & a revision for extension of time. Also it includes deep implementation of planning to serve project monitoring & contract administration such as: Implementation of resource management in planning evaluation, analysis & criticism of a base line plan, financial planning, shifted cash flow application, site facilities planning, implementation of resources management and bar chart revision in each category of construction.

With this seminar additional workshop is provided thru developing a complete plan for a typical sample project with full support as may be needed.

►Possible Attendance:

This seminar is intended for project managers, project directors, planning engineers and any senior project management candidate intending to acquire professional procedures in project planning & primavera applications.
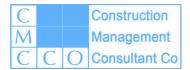
►Structure:

18 hours to be carried out over 3 days including supporting documents, help templates of several articles for planning preparation, evaluation and specification in addition to practical templates.

Additional free 2 hands on workshops relevant to the type of projects maybe be held by professional Planning Manager.

►Objectives:

To help senior project management candidates to have deep understanding of the planning process & methodology in projects from various natures. To help planning engineers acquire a professional procedure in planning development, float management, resources management & professional planning implementation in Project Management & Contract management.

►Content:

- Organization & Planning:
  - ➢ Introduction to Projects Plans
  - ➢ Project elements organization as pre-requisite for project planning.
  - ➢ Proposed strategy.
  - ➢ Overview on major plans
  - ➢ Good planning requirements
  - ➢ Preparation of project elements organization
  - ➢ Customizing Layouts
  - ➢ Organization layout.
  - ➢ Demonstrative examples

- Quantity Loading of a Schedule
  - ➢ Data items Applications
  - ➢ Activity data items.
  - ➢ Resource data items.
  - ➢ Custom Activity data items.
  - ➢ Custom Resource data items.
  - ➢ Demonstrative Examples.
  - ➢ Build quantity loading data item.
  - ➢ Quantity Surveying layout.

- Bar chart Development & Management
  - ➢ Customizing bar chart
  - ➢ Bar chart development relation to resources organization
  - ➢ Path of work generation.
  - ➢ Major Resources & minor resources analysis.
  - ➢ Building a bar chart schedule.
  - ➢ The proper logical assumption in a bar chart development.
  - ➢ Contiguous vs. interruptible bars argument
  - ➢ What we prefer as planners in the links patterns.
  - ➢ What we don't recommend in a links patterns.
  - ➢ Float Bar, Late Bar
  - ➢ Customizing CPM
  - ➢ Common mistakes in bar chart development to be avoided
  - ➢ Demonstrative examples

- Resources Management
  - ➢ Resource cash allocation
  - ➢ Cash flow diagram presentation for a plan.
  - ➢ Cash flow revision & update.
  - ➢ Demonstrative examples
  - ➢ Managing Resources
  - ➢ Resource dictionary organization
  - ➢ Resource Allocation
  - ➢ Resource histograms & table presentation
  - ➢ Histograms revision & update
  - ➢ Resources Leveling.
  - ➢ Demonstrative examples

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- Planning & cost control.
- Earned value management for indicative resources.
- Schedule variance & cost variance calculations.
- Cost variance & non linear resource consumption issue.
- Resources histograms implementation in bar chart evaluation.
- Financial planning & shifted cash curve.
- Site facilities planning.

- Progress Monitoring
  - Analysis & criticism of a bar chart plan.
  - Planning specification argument.
  - Assigning target plan.
  - Monitoring progress of work
  - Schedule update, the professional methodology.
  - Progress reports, minimum contents of the report (10 sections)
  - Demonstrative examples

- Schedule revision
  - Revision of a bar chart schedule (infra structure project demonstration)
  - Revision of a bar chart schedule (building construction project demonstration)
  - Usual reasons for revising a plan.

- Time extension revisions
  - Revision for extension of time.
  - Global time extension.
  - Impacted as target CPM, collapse as build and window analysis.

►Two Hands on Workshop (Optional):

- On developing a project plan, database buildup & organization.
- On developing a project plan, bar chart build up & resources management.
- On developing a project plan, progress reports & revised schedule.
- Demonstrative example of developing a program of work & cost control reports using Primavera Enterprise (P6).
- Further discussions and brainstorming.