

Planning, Scheduling & EVM Training Programme

Program Reference #: PCO-101A

Programme Description:

Dedicated training module in a structured and professional manner on Project Controls guidelines, Principles of Project Planning & Scheduling, Project Analysis and Introduction to Earned Value Management (EVM).

Programme Structure:

1) Project Controls Guidelines & Objectives

2) Principles of Planning

- Definition
- Typical questions while developing a plan
- Deliverables associated with plan
- Level of details essential for planning
- Key Components/Elements of plan
- Planning Terms
 - WBS & its Importance
 - Network Diagrams

The fundamental tools and techniques demonstrated in this session will help participants gain an understanding of cutting edge planning & scheduling concepts, practices and methodology. With this understanding, participants would be able to create 'actual' plans.

3) Principles of Scheduling

- Definition
- Importance
- Types of Schedules (Milestone Summary Schedule, Project Intermediate Schedule, Short-Term Rolling Schedules)
- Scheduling Terms: Activity, Work Package, Milestone, Float, Critical Path, Durations, Calendars, etc.
- Understanding of Logics/relationships : SS, FF etc
- Schedule Hierarchy & Levels
- Scheduling Insight and Process
- Process/Phases
- CPM & Calculation

- Common Scheduling failures
- Resource Scheduling
- Schedule Characteristics “Key Elements”

Participants in above session will achieve and learn the best tools and techniques for scheduling the projects in most professional and effective way.

4) Introduction to Earned Value Management (EVM)

- Project Analysis
- Understanding EVM Terms & concepts
- Overview on Progress and Performance Curves
- Management Reporting

Earned Value Management (EVM) is a project management system that combines schedule performance and cost performance to answer the question, “What did we get for the money & time we spent?” This module is designed to assist participants in setting up and implementing a fully integrated EVM system.

This training course is customised for:

- Project engineers
- Project development engineers
- Operation engineers
- Cost estimators & engineers
- Planning Engineers
- Project Controls Engineers
- Planners & Schedulers
- Commercial managers
- Quantity surveyors
- Project support managers
- Proposal manager
- Tendering managers

Target Audience: Suitable for beginners and intermediate professionals providing brief overview and introduction on aspects mentioned above. Advanced level courses covering each topic in detail are available separately.

This course is purely for Engineering, Procurement and construction Projects in the following sectors, but not limited to:

- Oil and gas
- Petrochemical

- Infrastructure
- Power Plants
- Turnkey and Pipeline Projects

Medium: The mode of presentation is flash video file. Please ensure your computer has Adobe flash software installed. Classroom sessions are also available and quotation can be requested by contacting us at info@ProjectControlsOnline.com.

Duration: This presentation is expected it to take approximately 6 hours if attempted to complete in one sitting (without any break). However, based on our practical experiences in this subject, we strongly recommend all the concepts in sequential manner (as above) are practiced before moving on to next stage

About Authors:

Murray Woolf, Murray Woolf is Founder & President of ICS- Global) providing a wide variety of products and services of importance to construction Scheduling Practitioners, and their customers. Murray has hands-On scheduling experience on over 235 projects worldwide, from \$500K to \$14B and is a globally-requested speaker and consultant on Scheduling Practice topics and has presented himself to many global Project Controls conferences. Below are some of his key assignments/contribution till date:

- Author of best-selling “FASTER Construction Projects with CPM Scheduling”
- Author, “CPM Mechanics” – the basics of the Critical Path Method
- Author, “Principles of Cognitive Project Management” – a Construction Project Management - model designed by ICS-Global exclusively for the Construction Industry and Contractor perspective
- Advisor to Chartered Institute of Building (UK) Project Time Management Credential
- Employed as Scheduling Consultant to U.S. Army Corps of Engineers (USACE) & Scheduling Advisor to U.S. General Accountability Office (GAO).
- Founding Director, Scheduling Excellence Initiative for Project Management Institute (PMI) & Past Vice President, PMI College of Scheduling

Anil Godhawale; Anil is Director of ProjCon Consultants and Founder of ProjectControlsOnline.com. Anil is BEng (Mechanical) and MBA (Finance) by qualification and has over 15 years of international field and home office experience in Project Planning & Scheduling, Cost Engineering, EVA, Risk and Delay Claims Analysis with project values ranging from \$10M to \$1.5B. Anil has a strong Project Controls background & has worked in all phases of projects in various sectors that includes Petroleum & Chemicals, LNG regasification & liquefaction facilities, CCU’s

(Carbon Capture Units), Power Projects and Pipelines.

Anil is also very active with industry professional associations as fellow at ACostE, UK and member of AACEi, USA and APM SIG (Special Interest Group) for Planning. Anil is a contributor to CIOB's (UK) guidelines for accreditation in Time Management and APM Planning Guide. Anil also holds distinguished Project Controls Certifications CCE & PSP from AACEI, USA and is a registered member (IEng) of Engineering Council UK. Find out more about Anil and his contribution to industry by visiting www.linkedin.com/in/godhawale

Notes:

- 1) Access to the presentation will be available for 30 days and during this time it can viewed unlimited times.
- 2) Online support during and/or after training can be provided if required. Additional charges to be applied for this feature and can be found out by contacting us at info@ProjectControlsOnline.com
- 3) On completion of course, "certificate of completion" will be issued.

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