



In partnership with



Allied Projects

TOTAL COST MANAGEMENT COST ENGINEERING AND ESTIMATING

2 Day Professional Development Course | 7th–8th June 2016 | Pan Pacific Hotel, Perth

Course Overview

It is common knowledge that capital projects often experience major cost overruns. A leading advisory company in Australia recently issued a publication on business risks facing mining and metals covering 2014/2015 and provided an insight into 108 projects around the world with budgets greater than \$US1 billion and found 69% of these experienced major cost overruns.

The key areas that contributed to these cost blowouts were identified

in order of frequency as Project Management, Stakeholder Conflict, Resource Constraints, Regulatory Changes and Unfavourable External Environments. Project Management problems were identified as the lack of proper project planning, inaccurate cost estimating and poor supervision throughout the project life cycle.

This two day training course aims to provide the project management team with the necessary tools and know

how of cost engineering and estimating putting the team on the front foot to effectively and accurately forecast costs at completion and manage their projects efficiently rather than being on the back foot and counting the overrun costs after the event.

Take-aways

At the completion of this course you will have over 1,000 pages of "best in class" references showing the latest "best tested and proven" practices as well as many "best tested and proven" Excel and MS Word TEMPLATES you can adapt for your own use immediately upon returning to work.

Who Should Attend?

This course has been designed for those who are actively involved in or are responsible for asset, portfolio, program or project management.

This includes technicians such as planners/schedulers, cost estimators, cost engineers, risk analysts, project controllers, business analysts, systems engineers and those preparing feasibility studies as well as their first and second level managers. (Team leaders, Project Control Managers, Project, Program, Portfolio and Asset Managers).

Course Outline

Fundamentals of Integrated Asset, Operations and Project Management

Planning & Scheduling
(Plan the Work, then Work the Plan)

Cost Estimating

Exploring "Best Practices in Scheduling"

"Working the Plan"

Intensive Contract Management

Service Contracting


Registration

Early Birds AU\$1,995
(register & pay before 20/05/2016)

Normal Price AU\$ 2,295
10% discount for groups of 4 or more from same organisation.

How to Register?

 training@alliedprojects.com.au

 **+61 (8) 6162 1644**



Who is the Trainer?

Dr. Paul D. Giammalvo

CDT, CCE (No.1240), MScPM, MRICS, GPM-M



Dr Giammalvo is the Senior Technical Advisor (Project Management) to ASEAN [Project Management Centre of Excellence](#). He is also active in the Global Project Management Community by playing an active leadership role in the [Association for the Advancement of Cost Engineering International](#) (ACEI).

He also is active in two IPMA member organisations: The [Green Project Management Association](#) (GPM) where he is on the Certification Board of Directors at the [American Society for the Advancement of Project Management](#) for which he was elected to serve on the Board of Directors as Director of Marketing.

Paul also sat on the Board of Directors of the [Global Alliance for Project Performance Standards](#) (GAPPS), Sydney, Australia and is active as a regional leader in the [International Guild of Project Controls](#).

Dr. Giammalvo holds an undergraduate degree in Construction Management, his Master of Science in Project Management through the George Washington University and was awarded his PhD in Project and Program Management through the Institute Supérieur De Gestion Industrielle (ISGI) and Ecole Supérieure De Commerce De Lille (ESC-Lille)", Paris, France.

Program Outline

Day 1: Morning Session

Fundamentals of Integrated Asset, Operations and Project Management

- Introducing AACE's Total Cost Management Framework and the Guild of Project Controls Compendium and Reference.
- (TCMF) Effective Business Communications
 - ◆ Communicating with Management
 - ◆ Communicating with Clients
 - ◆ Communicating with Staff, Subcontractors and Vendors
 - ◆ Getting the most from Modern Communications Methods
 - ◆ Email
 - ◆ Project Dashboards

Planning & Scheduling

(Plan the Work, then Work the Plan)

- Planning
 - ◆ Using Building Information Modeling
 - ◆ Introducing Standardized WBS
 - ◆ Omniclass Norsok Z-014
 - ◆ CSI's Master and Uniformat
- Scheduling
 - ◆ Applied Practical Scheduling Using Excel, MS Project and Primavera
 - ◆ Using CPM Scheduling to better manage resources
 - ◆ Defensive Scheduling
 - ◆ Protecting the company against late delivery penalties
 - ◆ Using the schedule to get paid for change orders
- Introducing Activity Based Costing
 - ◆ Setting up activity based cost databases

Day 1: Afternoon Session

Cost Estimating

- Applied Activity Based Costing
 - ◆ Exploring "Cost Estimating" best practices from the contractors perspective.
 - ◆ Creating Cost Estimating Models (CER's)
 - ◆ Risk Analysis in pricing and duration
 - ◆ Pricing Each Activity (Direct Costs)
 - ◆ Labor
 - ◆ Materials
 - ◆ Equipment
 - ◆ Pricing Level of Effort Activities
 - ◆ Engineering
 - ◆ QA/QC
 - ◆ Safety
 - ◆ Project Management/Project Controls
 - ◆ Calculating Risk and Building Contingency

Exploring "Best Practices in Scheduling"

- Review of "Best Practices" in Scheduling
 - ◆ Review of the Combined PMI, AACE, CMAA draft to be released by the US Government Accountability Office
 - ◆ Activity Development Activity Logic
 - ◆ Activity Duration Activity Risk Analysis
 - ◆ Activity Analysis and Reporting

Day 2: Morning Session

Working the Plan

- Executing the project from the schedule
 - ◆ Measuring Progress and Getting Paid using Earned Value Management
 - ◆ Using Earned Value for Variable Budgets
 - ◆ Tracking and Reporting Cost and Schedule Performance
 - ◆ Managing Performance and Productivity
 - ◆ Creating and Analyzing a Claim

Intensive Contract Management

- "Practical Applied Earned Value Management Using Standardised Contract Documents."
 - ◆ FIDIC
 - ◆ AGC
 - ◆ EJCDC
 - ◆ AIA



Day 2: Afternoon Session

Intensive Contract Management

- Strategic Contracting
 - ◆ Exploring the various contracting types Cost Plus
 - ◆ Cost Plus
 - ◆ Economic Price Adjustments
 - ◆ Cost Plus Incentive Fee
 - ◆ Time and Materials
 - ◆ Fixed Price Plus Incentive
 - ◆ A & B Method
 - ◆ Lane Rental Approach
 - ◆ Design Build
 - ◆ Construction Management
 - ◆ At Risk
 - ◆ Fee Based
 - ◆ Hypertracking, Partnering and Other Collaborative Approaches

Service Contracting

- Service Contracting Types
 - ◆ Indefinite Quantity/Indefinite Time (IQ/IT) or Job Order Contracting (JoC)
 - ◆ Incentive Contracting for Service Type Contracts
 - ◆ Measuring progress on Service Type Contracts

Review, Reflection and Recapitulation

- Over-flow
 - ◆ Review of the key points

This executive training program contributes 16hrs towards your CPD

To Enrol Contact



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