

# Project Controls and the Project Life Span

## Programme Overview: What You Can Expect

As Project Controls practitioners, given we may be working for both Owners and Contractors during our careers, it is important that regardless of who you may be working for now, that you know and understand that there is a difference in time horizons for practitioners working for Owners vs. Contractors.

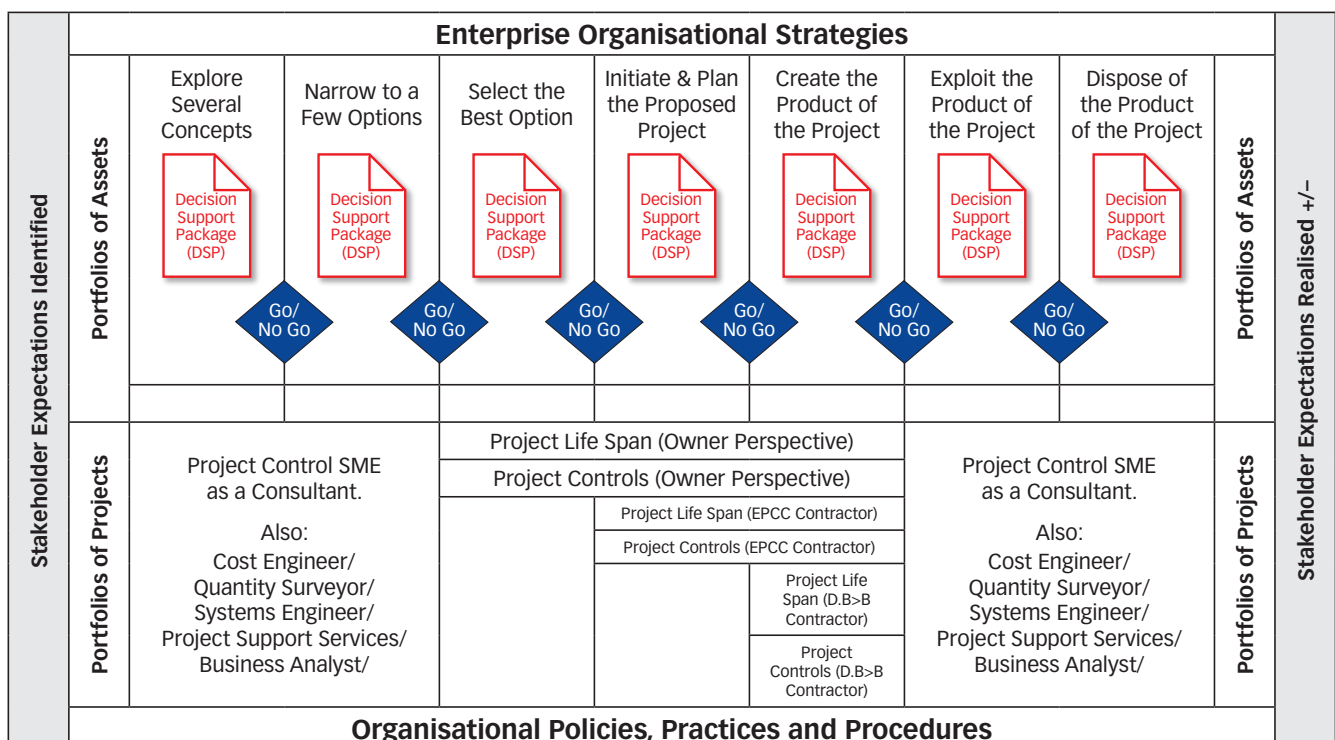
While most of the tools and techniques are similar, Owner's Project Control practitioners tend to use more top down tools and techniques while Contractors

tend to use more bottom up tools and techniques. The other major difference is in the level of detail and granularity of the reports being generated. Owner project managers tend to require more high level reporting than do Contractor project managers, but either owner or contractors should be able to generate reports at any level of detail.

This, comprehensive, three day programme is aimed at the Project Life Cycle for

Project Managers, PMO's, Project Controls Managers and Project Support Services where the focus is on the delivery of individual Projects.

Our trainer, Dr Paul Giammoalvo, will captivate you with real-life case studies, interactive team breakout sessions, and comprehensive knowledge and strategies on how best to manage and control your Projects.





# Course Programme

This training course has been designed for the discerning Project Managers, PMO's, Project Controls Managers and Project Support Services who are keen to understand the nuts and bolts of managing individual projects at the lower level of detail. The focus of this course is on understanding the Project Life Span and how projects are controlled from the perspective of the Owner. We will then explore the same again but from a Contractors perspective.

## Day 1: Scheduling the Plan

### Morning: Planning

- Schedule Planning
  - Understanding the practical concepts of:
    - Activities, Activity Logic and Logic Diagramming
    - Activity Duration, Critical Paths and Float
  - Use of Precedence Diagram Methods (PDMs) and how

to calculate:

- Early start/finish and late start/finish dates
- Total and free float
- How to read a Bar chart/Gantt chart
- Schedule Development
  - Explore Milestones, Resource loading, Resources levelling
  - Scheduling Risk Contingency and Buffers

### Afternoon: Planning

- Schedule Baselines
- Schedule Change Management
- Schedule Simulation
- Other Scheduling concepts
  - Critical chain
  - Linear scheduling

## Day 2: Setting the Budgets

### Morning: Planning

- Cost Estimating and Budgeting
  - Cost Estimating Terminology
  - Cost Estimate Classification and Variability
  - Risk Management – Differentiate Risk and Uncertainty
  - Investigate the different cost algorithms and their relationship to estimating
  - Explore benefits of Code of Accounts for Estimating and Project Controls

- Processes and Practices
  - Plan for Estimating and Budgeting
  - Estimate methodologies
  - Take off Quantities
  - Costing vs Pricing

### Afternoon: Planning

- Processes and Practices
  - Estimate conditioning (escalation)
  - Risk evaluation and Contingency
  - Developing the Basis of Estimate Documentation

- Estimate Reporting and Closeout
- Using the Cost Estimate
  - Recasting the cost estimate into budgeted control accounts
  - Explore Costing and Life Cycle Costing
  - Using cost estimates to produce Cash Flow
  - The concept of creating a cost control baseline
  - Explore the integration of cost and schedule baselines.

## Day 3: Performance Monitoring

### Morning: Performance Monitoring and Assessment

- Project Performance Assessment
  - Understanding the difference between Variance and Trends
  - Explore methods for assessing and reporting performance (Variance and Trends) against baseline plans for:
    - Cost
    - Schedule
    - Resources (Labour, Materials / Fabrication)
  - Risk Management – monitoring and assessment of risk factors
- Practises for Integrated Earned Value Management (EVM) assessment
- Productivity Improvement
  - Understand Productivity assessment using EVM

- Forecasting
  - Understanding how forecasts are derived from:
    - Change Management
    - Performance assessment
    - Work in progress
  - Using Earned Value Management to Forecast

### Afternoon: Planning

- Project Change Management
  - Understanding the definitions of Scope (Owner vs Contracting)
  - Terminology for Deviations, Trends, Owner funded changes
  - Change Order process within Contracts
  - Disputes and Claims
  - Risk Management - Contingency, Allowances and Reserves

- Historical Database Management
  - Understand the uses and benefits of having historical data for Project and Asset management
  - Examine Project Closeout.

## Take-aways

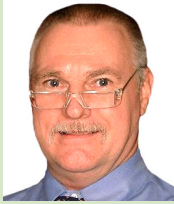
At the completion of this course you will have over 1,000 pages of "best in class" references showing the latest "best tested and proven" practices as well as many "best tested and proven" MS Excel and MS Word templates you can adapt for your own use immediately upon returning to work.



## 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](#) (AACCI).

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.

## Registration and Fees

**EARLY BIRD DISCOUNT** AU **\$2,295** +GST

**STANDARD FULL FEE** AU **\$2,695** +GST

### HOW TO REGISTER

Complete and return the registration form on page 4. An invoice will be sent within 7 days of receiving a completed registration form.

ALL PAYMENTS MUST BE RECEIVED AT LEAST 7 DAYS BEFORE THE COURSE.

This Executive  
Training  
Programme  
contributes  
**24 hours**  
to your CPD

## GROUP BOOKINGS



For bookings of 4 or more participants from the same company

For more information  
please contact



**Allied Projects**

Unit 5, 6 Douro Place West Perth  
Western Australia 6005

[training@alliedprojects.com.au](mailto:training@alliedprojects.com.au)

or call Allan on mobile  
**+61 (0)419 199 344**

[www.AlliedProjects.com.au](http://www.AlliedProjects.com.au)

### PAYMENT METHODS

- 1. Purchase Order**  
made out to Allied Projects Pty Ltd
- 2. Electronic Funders Transfer**  
**To:** Allied Projects Pty Ltd  
**Bank:** Westpac, Nedlands Branch  
**BSB:** 036 304 **Acc N°:** 363 841
- 3. Credit Card**  
To make a payment by credit card please contact us by phone on  
**+61 (0) 8 6162 1644**

### CANCELLATION AND SUBSTITUTION POLICY

Once registration has been received your booking is confirmed. There will be no refunds for cancellation however the candidate is entitled to attend the next available training course within a one-year period. Written notice to cancel will only be accepted provided it is not 7 days before commencement of the training course. Candidates may substitute for other candidates provided it is not 7 days before commencement of the training course.



# Registration Form

## Company Billing Details

Booking Contact	<input type="text"/>	Department	<input type="text"/>
Company	<input type="text"/>	Email	<input type="text"/>
Phone	<input type="text"/>	PO N°	<input type="text"/>

## Payment Method

Purchase Order    Electronic Funds Transfer    Credit Card

## Participant 1

Full Name	<input type="text"/>
Job Title	<input type="text"/>
Email	<input type="text"/>
Phone	<input type="text"/>
Mobile	<input type="text"/>

## Participant 2

Full Name	<input type="text"/>
Job Title	<input type="text"/>
Email	<input type="text"/>
Phone	<input type="text"/>
Mobile	<input type="text"/>

## Participant 3

Full Name	<input type="text"/>
Job Title	<input type="text"/>
Email	<input type="text"/>
Phone	<input type="text"/>
Mobile	<input type="text"/>

## Participant 4

Full Name	<input type="text"/>
Job Title	<input type="text"/>
Email	<input type="text"/>
Phone	<input type="text"/>
Mobile	<input type="text"/>

Please complete this form and return via email to [training@alliedprojects.com.au](mailto:training@alliedprojects.com.au)