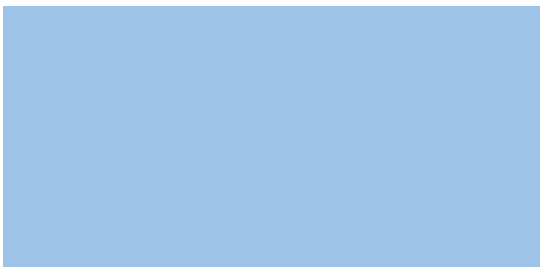


COURSE OVERVIEW

DELIVERING SUCCESSFUL PROJECTS

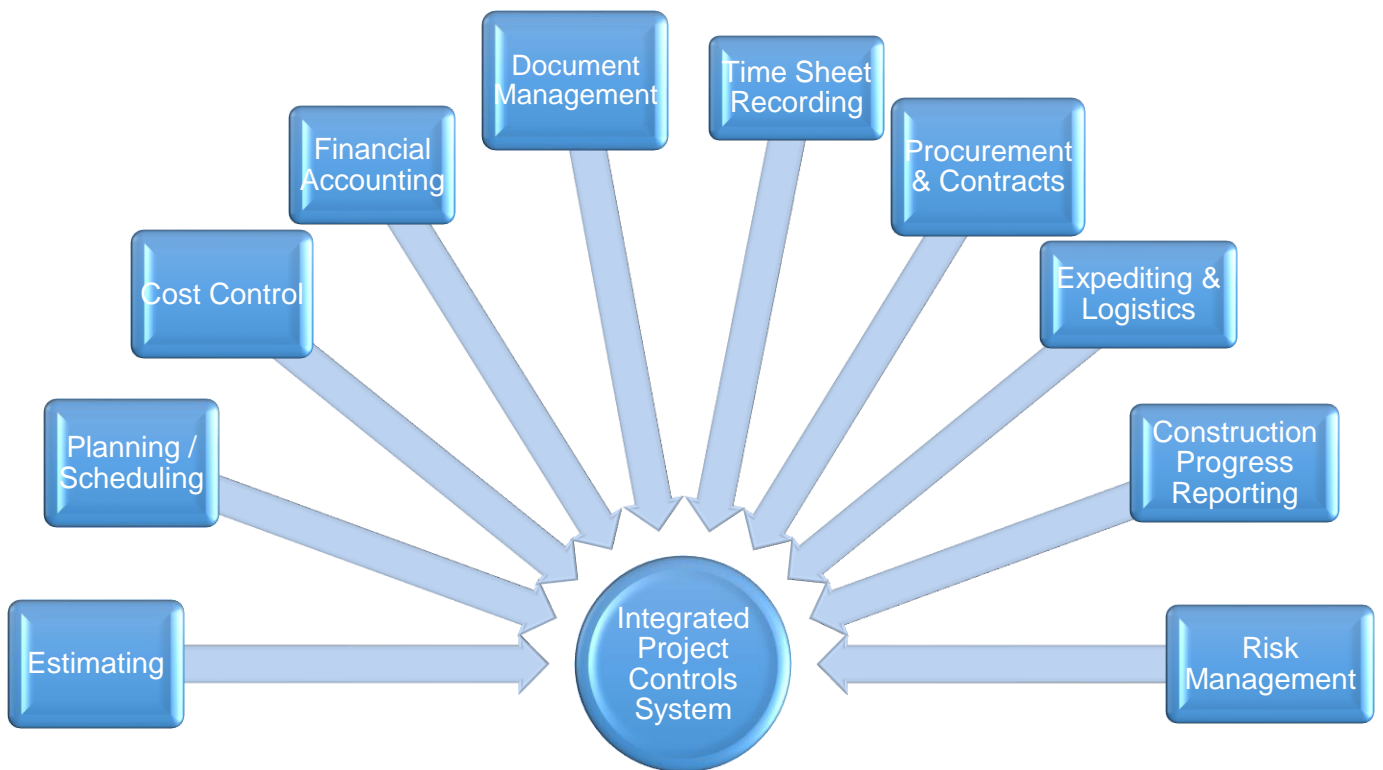


About this training course

Over the course of your career in the delivery of projects, you may find yourself working for both the Owner and the Contractor. Each side manages project delivery differently – the Owner manages at the higher level of detail while the Contractor manages at the lower level of detail.

This course delivers practical training in how to confidently establish, set-up and manage the delivery of projects, irrespective of whether you find yourself working for the Owner or the Contractor.

Best suited for the discerning project manager, engineering leads, estimators, planners and schedulers, cost controllers, procurement and contracts, and construction leaders who would like to learn how successful project delivery comes together.



Our approach

Our approach to training in project controls aligns with the Total Cost Management (TCM) framework, as adopted by the Association for the Advancement of Cost Engineering International (AACEi). Our training embodies these tried and tested principles and we continually improve our course by incorporating the latest trends and technologies found in the delivery of projects into our content.

Training structure

The training conveys practical ways of managing projects and adopts a hands-on approach in the development, set up, delivery and finally closing of projects.

Throughout the training you will be involved in open and candid discussions of what happens in the real world of delivering capital projects.



“Tell me and I forget, teach me and I may remember, involve me and I learn.”

~ Benjamin Franklin

Skill levels

This training course is aimed at individuals in the engineering and construction fields, who have a strong background in project delivery with an intermediate knowledge level of project controls.

The training is delivered at three levels:

Beginner

Intermediate

Advanced

Note, we can deliver and customise this training course for individuals at different skill levels, if required. Please contact us for more information.

Beginner

The beginner level training course has been designed for those who are just embarking on their career or are transitioning from a different field of work and are now seeking entry level engagement at a company delivering projects.

About you

You may have recently achieved your engineering or management qualification at either TAFE or University and have had limited post-graduate exposure to real world project delivery.

What you will gain from this course

This training course is designed to cover the fundamentals of project controls and its relevance to:

- Estimating
- Engineering Management
- Planning & Scheduling
- Cost Management
- Procurement & Contracts
- Construction Management
- Risk Management
- Change Management
- Project Reporting

We will explore how the components involved in the delivery of projects interact with each other and how each discipline plays a vital role in the overall success in the project delivery.

On completion of the training course, you will understand the build-up of systems pertinent to project delivery, how they interact and interface with each other and understand your role within the project delivery team. You will also leave with hands-on experience in the use of some of the world's best project controls systems.

Intermediate

At the intermediate level, you will already have been working in the project manage field for between 2 to 5 years.

About you

You will be familiar with everyday project terminology and have practical experience in your own specialist discipline. You will likely already be contributing towards weekly or monthly project progress of your own work area or perhaps operating in the lead position for delivery of a particular area of a project. Your experience may include on-site exposure on a construction site or within an engineering or consultancy setting. You may already be part of the project controls team responsible for delivering a project and have a leaning towards Estimating, Planning & Scheduling, Cost Management or have some experience across several of these disciplines.

What you will gain from the course

Our course is designed to rediscover the fundamentals of project controls and its relevance to:

- Estimating
- Engineering Management
- Planning & Scheduling
- Cost Management
- Procurement & Contracts
- Construction Management
- Risk Management
- Change Management
- Project Reporting

We will then deep dive into each area of project controls emphasising the significance each plays in the delivery of successful projects.

On completion of the training course you will have greater understanding of how systems pertinent to project delivery are set up, how each system interacts and how the interface between the systems is of paramount importance in the delivery of projects especially when it comes to accuracy and manpower efficiency.

Prerequisites

There is no prerequisite to attending the intermediate training course, however it is assumed you will already understand how projects are delivered, how the systems in your organisation interact, be familiar and nimble with the various Microsoft suite of software currently available and are able to contribute your own project work experiences.

Advanced

The Advanced training course is designed to target specific complex areas in the management of project controls for the successful delivery of projects.

About you

You will already either be in the project controls team specialising in Estimating, Planning & Scheduling, Cost Management and have experience across several of these disciplines or, you will have experience as a team lead managing various aspects of project delivery from inception, through program design, engineering, procurement, construction management or even overarching project management.

What you will gain from the course

On completion of the training course, you will have a firm understanding of specialist areas of project controls that you will be able to adopt directly on to your own projects and have the confidence to engage with your team on the merits of employing such learnings on your projects.

About the trainer

Allan Crow | Principal Project Services Manager

Specialties:

Project Management, Cost Control, Project Controls, Planning/Scheduling, Change Management, PrismG2, Prediction+, Primavera P6, Team development, Team establishment, D&C, EPC, EPCM.

Experience:

Allan is a founding partner and Director of Allied Projects located in Perth, Australia providing project management consultancy services to clients in the Infrastructure, Transport, Mining and Oil & Gas industries. He holds the position of Principle Project Services Manager.

He has extensive international business experience as a project services manager, project controls manager, senior project manager, commercial manager and previously that of a power systems protection engineering manager. His experience is backed with an MBA from Heriot-Watt University, Edinburgh Business School.

Allan has operated at both the department functional level and individual project level simultaneously and is accustomed to high value, complex business solutions, design, implementation, construction, commissioning, and final hand over including D&C, EPC and EPCM form of contracts.

Allan has served as project controls manager on several iconic transport and mining projects in Western Australia. His speciality includes initial project setup across a variety of project delivery software tools, systems interface management, engineering and construction contract administration and bespoke training on the principles of project controls as applied within the mining industry.



Course Contents

Introduction to Project Controls

We explore:

- the differences between an Asset life cycle and a Project life cycle, and expand on the Project life cycle.
- commonly used project controls tools as well as how they are adopted within organisations and projects.
- different technical bodies, societies and popular user groups from which to obtain up-to-date technical information on the latest trends in project controls.
- various local and international qualifications that can be obtained as well as their relevance in the Australian marketplace.
- the latest job market trends.

Project Lifecycle

We examine:

- the typical life cycle of a construction project by starting with the estimate, then move to the development of schedules and cost budgets.
- how procurement plays a pivotal role in capturing contract progress.
- the different analysis tools available and how their outcome can impact the management of the final cost at completion.

Estimate, Budget and Control Accounts

We explore:

- the all-important budget estimate and how we convert that into meaningful control accounts in the cost management system.
- the importance of grouping similar work scopes and work fronts together that assimilate data to higher order control budgets that can be managed is explored. These budgets with schedule dates are then baselined to set the benchmark by which to manage earned value and forecast cost at completion, is explained.

Interface Management

We explore:

- the importance of coding structures across the various project management systems, including estimating, scheduling, engineering design management systems, procurement & contracts, financial accounting systems, construction etc.
- how the structures for each, if coded in an orderly manner, provide the all-important linking that allows data to be transferred seamlessly between them all.

Planning & Scheduling

We examine:

- the different schedules required for the successful delivery of projects.
- how linking these different schedules to their appropriate budgets in the cost management system allows for time phasing of Costs, Quantities and Hours.
- how the different S-Curves are generated and their uses explained with respect to their application in managing the principles of earned value.

Progress Measurements

There are numerous approaches and methods to measuring progress, whether it be for engineering, procurement, project management or construction. We explore the merits of the different methods and the approaches to be taken when considering the different work scopes encountered in the delivery of projects.

Procurement

We explore:

- the fundamental differences between contracts and purchase orders.
- the different levels of detail to be entered into contracts and purchase orders and the importance of establishing a balanced level of detail. It will then be shown how the respective Costs, Quantities and Hours commitments are assigned to the respective control budgets and how progress updates to the contract or purchase order status is transferred to the cost management system.

Project Accounting

Project accounting is the financial recording of project expenditure and is usually captured in a companywide financial system. We will examine the interface requirements between the company financial system and the project cost management system.

Earned Value Management

We explore:

- current trends against declared project baselines provide a means to understand the status and health of projects.
- the principles of Earned Value and how it is applied in the real world of project delivery.

Project Reporting

An important output of project controls is the dissemination of valuable project data to the relevant project team members and project sponsors and stakeholders. We examine the different reporting mechanisms available and explores more contemporary dashboard approaches as well as traditional tabular style reports.

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.

How to register

Complete and return the registration form on the last page. 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.

For more information, please contact us:

email training@alliedprojects.com.au
or call Allan on mobile +61 (0)419 199 344

www.AlliedProjects.com.au

Registration Form

Company Billing Details

Booking Contact

Department

Company

Email

Phone

PO N°

Participant 1

Full Name

Job Title

Email

Phone

Mobile

Participant 2

Full Name

Job Title

Email

Phone

Mobile

Participant 3

Full Name

Job Title

Email

Phone

Mobile

Participant 4

Full Name

Job Title

Email

Phone

Mobile

Please complete this form and return via email to training@alliedprojects.com.au