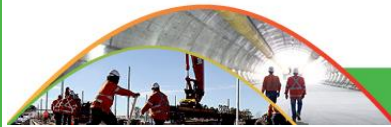




PROJECT CONTROLS CONFERENCE SYDNEY 2017

20-22 September | ICC SYDNEY



projectcontrols2017.com.au

Projects: Surprises or Science. Getting Confident with Complexity.

KEY BENEFITS OF ATTENDING:

How can an empirical and scientific approach to project management help us become better at project controls?

Attendees of this workshop will gain exposure to the root causes of project underperformance and will be shown how to mitigate these through the application of powerful and innovative management techniques from Theory of Constraint's, Critical Chain Project Management.

Attendees will have a firmer grasp on how to plan and execute work in ways that reduce nasty surprises and increase confidence in delivering complex projects on time, to scope and on budget. Benefits of attending include:

- Understand how to execute projects 25% faster at lower risk by managing constraints
- Understand how to create optimized resource-levelled schedules
- Understand "buffer management" and how it is used to decrease the risks of cost and schedule overruns

WORKSHOP OVERVIEW

Attendees will learn by playing games that demonstrate concepts applicable to improving the management of complex projects, and engage in conversation to unpack the implications of these concepts as they relate to project controls.

Games include a dice game to teach participants how variation impacts schedule dependencies.

We will also create a simple schedule using a project management scenario and learn how resource contention influences the assumptions we make when planning and executing work.

We will also learn about common behaviours that erode project success and how using Critical Chain's buffer management techniques mitigate against these and improve the chances of delivery success.

The program can help you:

- Increase project throughput
- Improve task estimation
- Improve schedule quality
- Use schedule buffering to protect delivery dates
- Incentivise behaviours that encourage focused and synchronized task execution
- Identify and manage suboptimal behaviours that lead to cost, scope and schedule failure
- Determine task priorities using a measurement called the Critical Ratio
- Create a culture of high performance

Critical Chain Project Management Workshop

ProjectControls2017

WHO WILL BENEFIT?

Owners
Contractors
PMO Managers
Bid Managers
Estimating Managers
Risk Managers
Estimators
Project Managers
Planning Managers
Schedulers/Planners
Corporate Services

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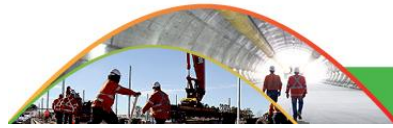
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Session 1 – Introduction and Terminology



As CEO and Founder of Ensemble Consulting Group David Hodes has lead his team in planning and executing the work of billions of dollars of engineering and business management projects in tier one Australian companies in the mining, banking, construction, manufacturing, retail, and aviation industries. He is a global leader in the application of Critical Chain Project Management.

- Identifying the root cause of factors that contribute to negative surprises versus factors that give confidence when managing complex projects
- Defining work and capabilities – how to manage this delicate balance
- Looking at the challenge of managing projects with finite resources in environments of uncertainty
- The three key Theory of Constraints metrics and how these relate to project controls (Throughput, Operating Expense and Investment)
- Project Management Scenario: Creating optimized executable work plans (resource leveled with buffers)

Session 2 – Theory of Constraints and Critical Chain Project Management

- Dice game demonstrating how statistical fluctuation impacts the predictability of project delivery given schedule dependencies
- The 5 Focusing Steps of TOC
- Identifying and managing constraints on a schedule
- How to use P50 estimates to build project schedules to eliminate task safety and build project and feeding buffers to protect project end-dates and integration points
- Multi-tasking and its impact on productivity versus focused task engagement
- Other behaviours that lead to sub-optimal project performance (Parkinson's Law, Students Syndrome)
- How to manage finite resources productively using a Critical Chain Schedule
- How the Critical ratio is used as a lead indicator to determine task prioritisation and focus execution
- The use of Critical Chain to establish visibility and control over a project