



## **Using Critical Chain Project Management (CCPM) to deliver a high performance result in the engineering design phase of a large capital project, using BIM for the first time**

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This presentation will provide insight into how Critical Chain Project Management (CCPM) was used to deliver all engineering design work on time for a \$600m expansion project. It was the first time the owner elected to use BIM rather than 2D drawings.

In addition to the on-time delivery, cost savings achieved were greater than 25% of the budgeted costs.

The talk will cover the following:

- The basics of the Theory of Constraints and CCPM
- How CCPM manages the aggregation of schedule and cost (resource) risks
- The particular challenges of reconciling earned value and CCPM in a BIM environment
- How to bring people on the journey and embed the new processes and ways of working
- What technology was used to support sense and decision making using CCPM principles