

Risk Assessment - Beyond the Heat Map

Quantitative Methods to inform Proposals and Delivery

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John Greenwood Portfolio Risk Manager





- John followed a traditional career path through systems engineering in the electronics industry, into project and programme management across IT and outsourcing sectors.
- Programmes, he formed some strong opinions about shortcomings in the set-up and delivery of business, and how many challenged projects may inadvertently have been set up to fail.
- This led him to concentrate on uncertainties and assumptions that are a necessary part of planning and estimating, and to consider how these could be better understood, before unrealistic commitments were made.
- He has since applied the same risk management techniques across IT, outsourcing, construction, and utilities sectors.



This Session

- Challenge 'single-value' estimates
- Understand confidence in estimates.





Risk Management Recap

What are the objectives?





Three objectives:

Change the future

Forecast the future

Knowledge capture



Change the Future:



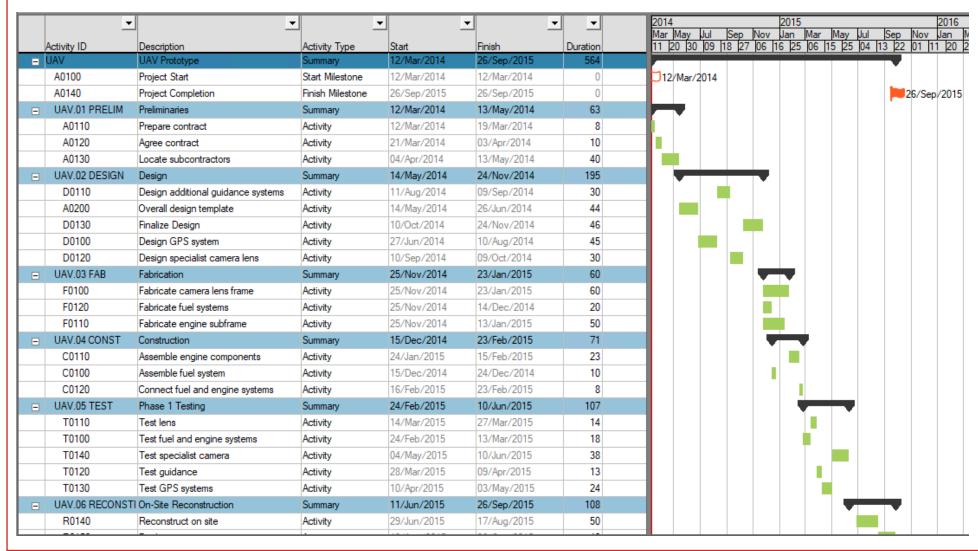


Forecasting the Future





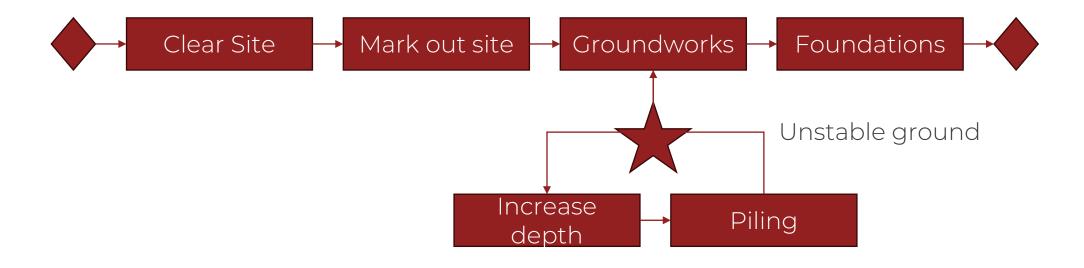
Prerequisites:



- Schedule
- Costs
- Risk Register



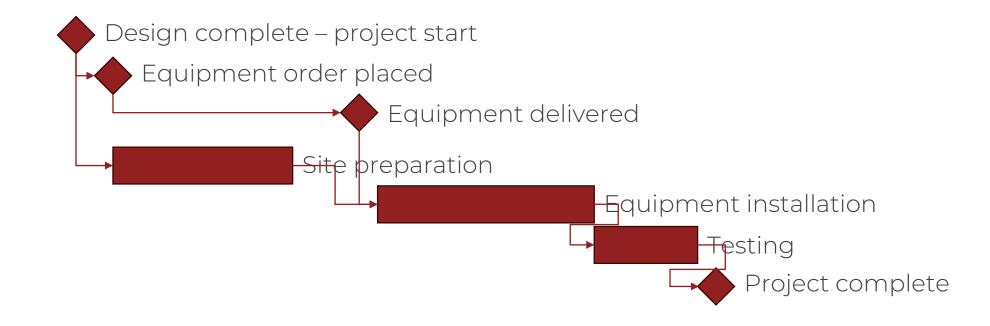
Forecast the Future: Events



Increased duration
Increased labour costs
Increased materials costs



Forecast the Future: Outline for Exercise 1





Exercise 1

You are planning a simple installation project that includes purchase of equipment, site preparation, installation, and testing.

Consider the risks that affect your project plan.

Activity:	Risk:



Forecast the Future: Estimating Duration



Exercise 2

You are estimating a simple installation project.

Consider the elements that affect Time and Cost estimates for your project.

Duration:	Time Dependent Costs:	Fixed Costs:

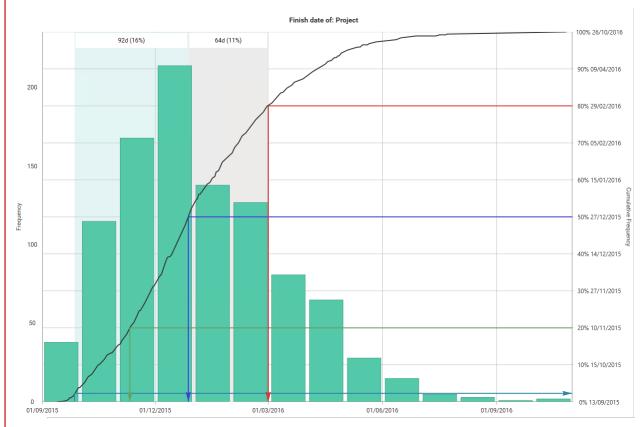


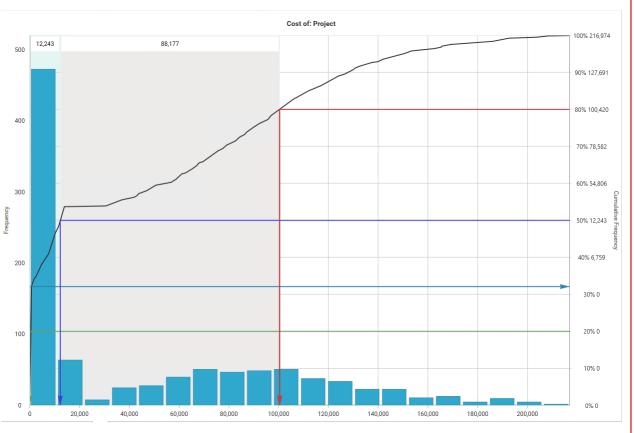
Examples





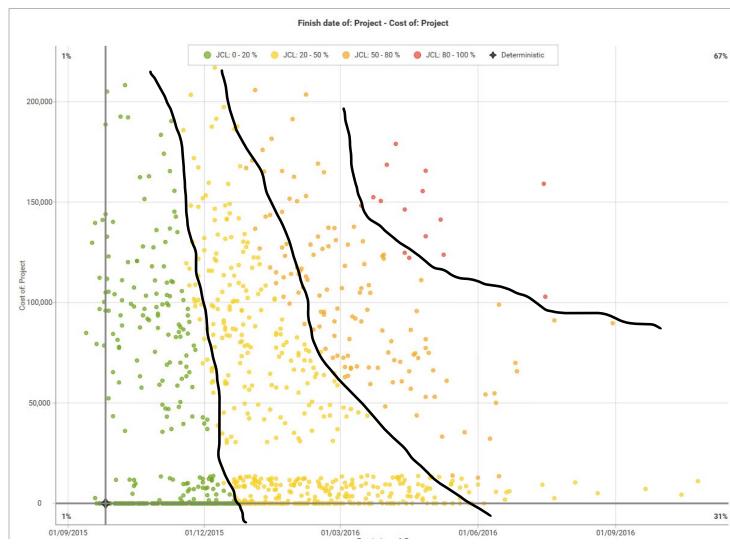
Forecast the Future: Project Time and Cost





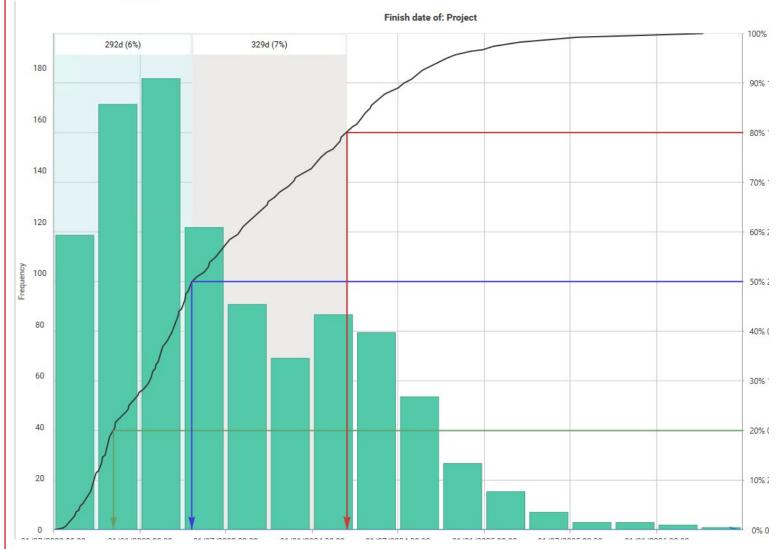


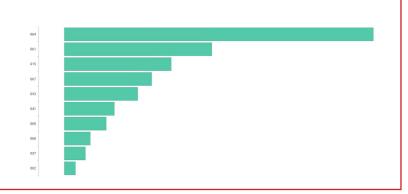
Forecast the Future: Project Time and Cost





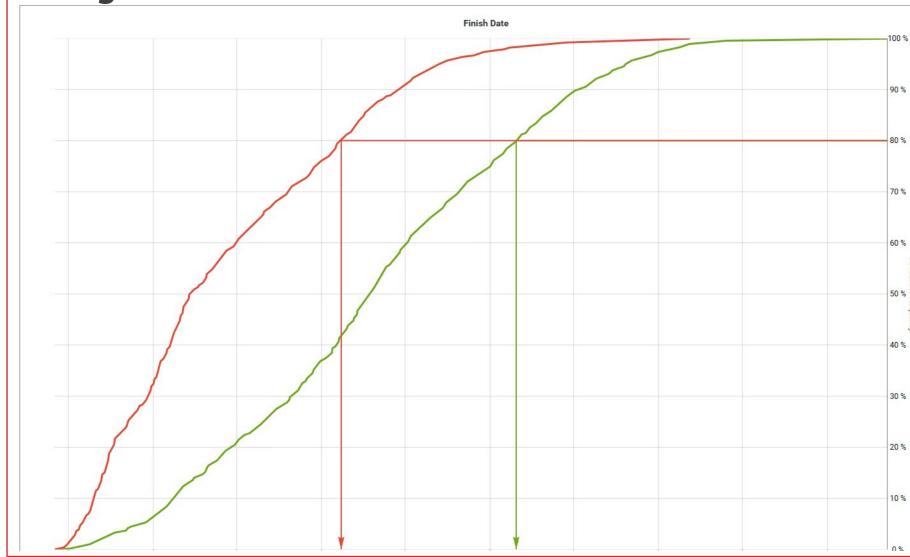
Forecast the Future: Project Time





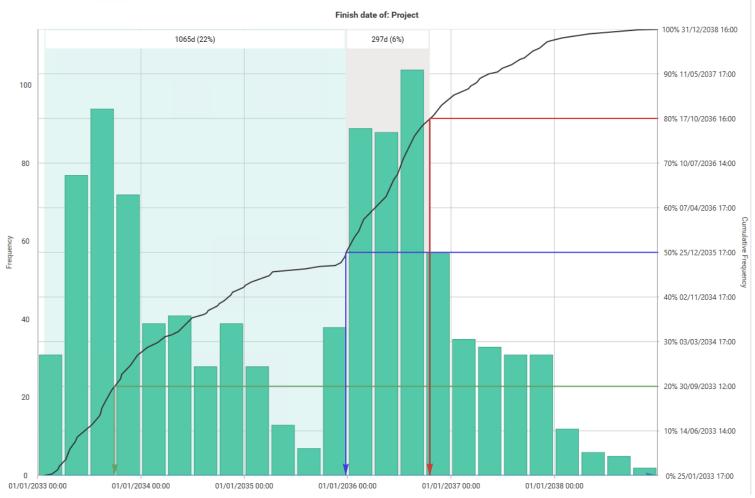


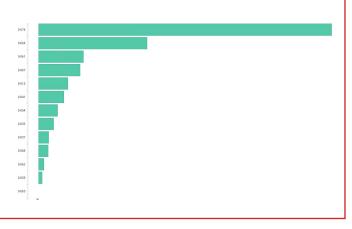
Forecast the Future: Project Time





Forecast the Future: Project Time







Q&A



