

Uncertainty management - What we can do for you

Listed below is a brief, and *most definitely non-exhaustive*, list of some of the services we offer to assist clients with uncertainty management across both project-specific and general business domains.

- Cost model development (bottom-up, *NOT* top-down) and analysis using Monte Carlo methods.
- Project schedule development.
- Probabilistic schedule analysis using Monte Carlo methods.
- Preliminary and detailed risk analyses.
- Holistic set theory application to planning and delivery.
- Cognitive bias analysis and implications for planning and decision making.
- Understanding judgment under uncertainty – heuristics and biases in decision making.
- Decision analysis process implementation in a project environment.
- Determining the value of information in an economic sense (also known as Bayesian transformation).
- Corporate risk management (also known as enterprise-wide risk management).
- Training in the use and development of risk management tools and techniques (including when to use what):
 - Qualitative tools & techniques
 - Brainstorming
 - Assumption analysis
 - Delphi
 - Interviews
 - HAZOP
 - FMECA
 - Checklists
 - Prompt lists
 - Risk registers
 - Risk mapping
 - Probability impact tables
 - Risk matrix charts
 - Project risk management road mapping
 - JSA
 - Risk assessments

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- Quantitative tools & techniques
 - Decision trees
 - Controlled interval and memory technique
 - Monte Carlo simulation
 - Sensitivity analysis
 - Probability-impact grid analysis
 - Tornado analysis
- Understanding uncertainty using an applied, practice-based approach (improbable does *NOT* equal impossible).
- Discounted (NPV, IRR, etc) and free cash flow analysis at a project and / or business level that takes account of the uncertainty, volatility and variability of the real world.
- Financial modelling at a project and whole-of-business level.
- Risk management advice incorporating financial risk analysis that enables construction of efficient and effective project and business protection (hedging) operations.

As mentioned above, many more services are available. The above points are intended to provide a brief insight into the our offering and the different perspective we take on approaching decision making in uncertain business or project environments.

For a more detailed discussion please contact:

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