

# "Project Risk Evolved: Integrating Cost and Schedule Risk Analysis"

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Provided training and consulting services within the project controls space, across a wide range of industries & geographies



Director & co-founder of The Ferryfield Group, who provide services in the field of risk & project controls



## 1. Presenter: Doug Oldfield, Ferryfield Group







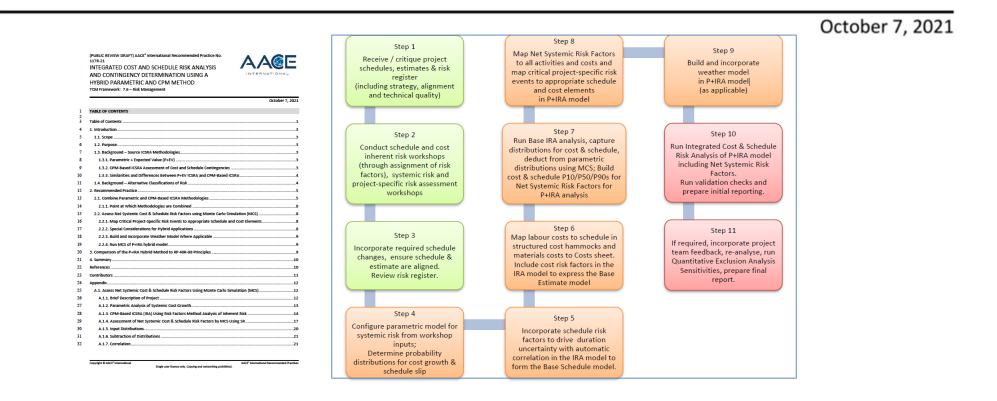
## 5. The past & present: issues to address

	Roads	Energy	Rail	Dams	т	Olympics
Cost Overrun	20%	36%	45%	<b>90%</b>	107%	<b>219%</b>
Frequency of Cost Overrun	9/10	9/10	9/10	7/10	5/10	10/10
Schedule Overrun	38%	23%	45%	44%	37%	0%
Benefits Shortfall	10%	n/a	51%	11%	<b>29%</b>	n/a
Duration (years)	5.5	5.3	7.8	8.2	3.3	7.0

#### (PUBLIC REVIEW DRAFT) AACE<sup>®</sup> International Recommended Practice No. 117R-21 INTEGRATED COST AND SCHEDULE RISK ANALYSIS AND CONTINGENCY DETERMINATION USING A HYBRID PARAMETRIC AND CPM METHOD

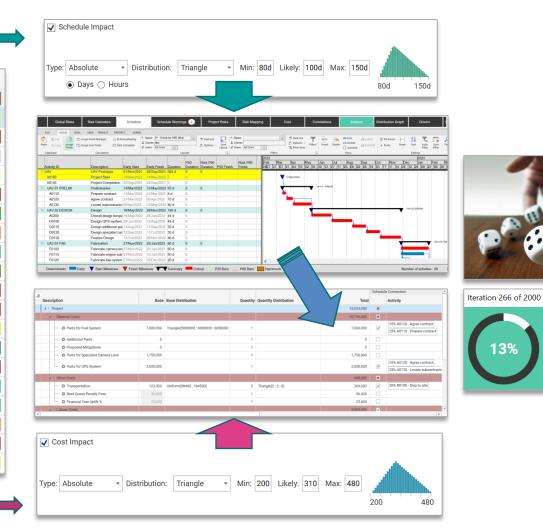
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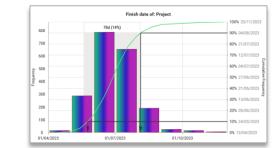
TCM Framework: 7.6 – Risk Management

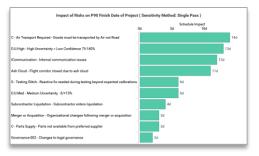


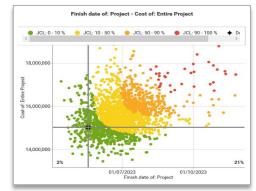
#### 7. What does the hybrid approach look like in theory?

Description	Risk Type		Probability	Color
Flight corridor closed due to ash clc	Standard	•	40%	
Goods must be transported by Air n	Standard	-	30%	
Parts not available from preferred s	Standard	Ŧ	15%	
Reactive fix needed during testing b	Standard	Ŧ	37%	
COVID Lost Production	Estimate Uncertainty	•	100%	
High Uncertainty = Low Confidence	Estimate Uncertainty	*	100%	
Low Uncertainty = High Confidence	Estimate Uncertainty	•	100%	
Medium Uncertainty -5/+15%	Estimate Uncertainty	*	100%	
Design specification change	Standard	Ŧ	50%	
External communication issues	Standard	*	40%	
Changes to legal governance	Standard	Ŧ	20%	
Changes to legal governance	Standard	*	20%	
Internal communication issues	Standard	•	70%	
Organizational changes following m	Standard	*	10%	
Outsource fabrication to larger prov	Standard	*	0%	
Procurement process delayed	Standard	*	35%	
Reactive fix needed during testing b	Standard	*	37%	
Change in strategic direction	Standard	*	25%	
Subcontractor enters liquidation	Standard	•	5%	
Wind Speed Over 15m/s (33mph)	Calendar	*	100%	









Next Step

Complete

X Cancel

13%







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