



Robbie Breschkin

Director

Areas of Expertise	Planning, Project Controls, Risk and EOTs
Industries	Water, Civil, Building, Health, Commercial, ICT
Qualifications	Bachelor of Engineering (Mechatronics) (Honours) Bachelor of Computer Science

Key Experiences

Robbie graduated with a Bachelor of Engineering (Mechatronics) and Bachelor of Computer Science. Since joining TBH, he has worked across a variety of industries including mining, airports, buildings, health, ICT, road, rail, infrastructure, and commercial projects. He effectively utilises his strong management, analytical and communication skills.

Robbie has extensive experience in integrated project controls with planning, scheduling, budgeting, invoices and accruals, cash flow, contingency management and the integration of time and cost for earned value management.

Robbie has worked in both private industry and for the public sector in a number of large projects with complex construction, commissioning and operation requirements (also including PPP). Robbie has experience in civil and water processing plant construction with both green and brownfields works. Recently he has been providing project controls advice and undertaking maturity assessment and implementing improvement to procedures, processes and tools for time and cost risk management.

Robbie has experience developing master schedules for programs including the staging of demolition of existing facilities, civil works, construction of new buildings, MEP, commissioning and transition between facilities. When developing a master program, Robbie can identify site constraints and risks such as conflicts with access routes for construction traffic and develop a staging that minimises the risk and overall project duration. Robbie has also been involved in developing 2D, 3D and 4D staging diagrams and videos to demonstrate the staging sequences and impacts.

Robbie's work at TBH includes:

- Maturity Assessment and advice for Integrated Project Controls (Time, Cost and Risk)
- Development of project and portfolio risk management procedures
- Facilitating risk workshops
- Time and cost risk analysis (SRA / QRA) and analysis of impacts and mitigation strategies
- Integration of Time and Cost for Earned Value Management
- Leading Project Controls teams
- Independent constructability reviews
- Master schedule development
- Project scheduling, progress reviews
- Cost management and cost control
- Reporting frameworks and development of Power BI dashboards with automation of reporting & integration of multiple data sources
- Dependency management
- Communication and presentation to stakeholders
- Forensic delay analysis & dispute resolution

Robbie is an expert user of Microsoft Project, Primavera P6, Visio, @Risk, Oracle Primavera Risk Analyser (OPRA), PowerBI and most Microsoft Office programs.

Robbie's recent risk experience includes:

Sydney Water - West Camden Project

- Facilitated schedule risk workshop
- Schedule risk model development
- Forecast for key milestone completion
- Quantify mitigated durations for key risk drivers
- Risk adjusted cashflow

Newcrest Mining

- Facilitated schedule and cost risk workshops for various major projects
- Schedule and cost risk model development
- Forecast for key milestone completion
- Quantify mitigated durations for key risk drivers
- Quantified Prolongation costs

Melbourne Water

- Review existing risk management tools, procedures and people's capabilities
- Develop project and portfolio risk management procedure

- Develop contingency management dashboard using PowerBI
- Develop new cost risk analysis input template using risk driver and hybrid methodologies (TBH's hybrid of risk driver and first principals)
- Develop training on risk management for project management and risk assurance team
- Facilitate cost risk workshops
- Identify contractor vs client risks
- Develop cost risk analysis models and results

The following table provides a sample of projects Robbie has been involved in:

Project Name	Client	Role	Year
Processing Plant Projects			
Major Projects Portfolio (Mining)	Newcrest	Independent review and advice on integrated project controls tools and processes, dashboard development and project time, cost and risk management. Management of a team of projects controllers delivering project controls for medium and major projects.	2019 - Present
East Rockingham Waste to Energy Plant	John Beaver	Preparation of construction programme	2020
Victorian Desalination project (PPP)	DSE	Monthly independent reviews of power, pipeline, civil and TBM tunnelling. Risk and time range analysis for commercial impact of realistic completion	2010 - 2012
Adelaide Desalination project	Adelaide Aqua Consortium	Onsite construction planning for storage tanks, pre-cast yard, launch shafts and inlet and outlet tunnels using TBMs.	2010

Eastern Treatment Plant Tertiary Upgrade	Melbourne Water	Independent review of alliance programme and risk and opportunity analysis for likely completion dates and determine appropriate contingency for the alliance TOC.	2010
Melbourne Water Sludge Augmentation Project (SAP)	John Beever	Construction site planning	2010
South East Recycled Water Alliance	South East Water	Project controls	2009

Civil Projects

Melbourne Metro Tunnels and Stations (PPP)	RPV	Undertake monthly reviews and provide advice on constructability and achievability as part of the Independent Reviewer team. Review of tunnelling, station construction and impacts to surrounding public precincts and handover for operations	2018 – Present
Mortlake South Windfarm	John Beever	Development of master programme and preparation of EOTs	2019 - Present
Airport Rail Link	IFM	Development of master programme and scenario analysis for tunnels, stations and public precincts, occupations and commissioning	2019
Gap Rd Level Crossing	LCRP	Constructability options assessment and subsequent development of master programme	2019
Regional Rail Revitalisation	RPV	Schedule Risk Analysis to determine likely completion date	2018
Melbourne Metro Rail Signalling Alliance	MTM	Review the 2 tender programmes for constructability and create a risk adjusted programme for both proponents including running Monte Carlo simulations to determine achievability.	2017

Mernda Rail Extension Project	LXRA	Project management of site access and investigations, tender review and assessment. Business case on station layouts. Management of the document management system simplification and rollout of SharePoint for collaboration and site monitoring. Client programme development and maintenance of master program. Strategic advice on risk and mitigation of key milestones to protect LXRA in the D&C contract.	2015 - 2016
Caulfield to Dandenong Level Crossing Removal	LXRA	Review and evaluation of tenders	2015
E-Class	Yarra Trams	Review of Yarra Trams risk management processes and the development of cost risk analysis framework and guidelines	2016
Melbourne Rail Link	MRL	Construction methodology / constructability review for the Domain to Southern Cross tunnel alignment.	2015
Major Transport Infrastructure Program (MTIP)	DTPLI	Planning manager for mobilisation, review and standardisation of project and portfolio schedule reports. Monthly update and reporting from the master schedule. Constructability analysis on rail and road projects and occupations alignment.	2014 - 2015
Regional Rail Link	DOT	Planning manager for high-level construction planning, facilitated risk identification, quantification and conducted a Monte Carlo risk analysis for all projects in the Portfolio. Durations from the risk analysis were incorporated into the tender documentation. Monitoring progress and inter contract dependency	2010 - 2014

		management, planning and contract framework development.	
Woolgoolga to Balina Upgrade (Pacific Hwy)	RMS	Independent review of contractor Schedule Risk Analysis results and methodology. Recommendations of how to improve the analysis and ensure accurate modelling of the risk.	2016
Geelong Ring Road	Cut & Fill	Project controls	2011
Vic Roads M80 upgrade	Vic Roads	Independent review of tenders	2010

Health Projects

New Royal Adelaide Hospital (PPP)	SA Health	Leading team for the independent review of achievability and Schedule Risk Analysis of the construction program. Analysis included identifying risk drivers and likelihood of achieving contract requirements.	2015
New Bendigo Hospital	Department of Health	Review and evaluate tender and BAFO programme submissions with a focus on staging between the new and old hospitals construction, commissioning and transition of services. Also a review of the achievability of timeframes and key risks	2012-2013
Fiona Stanley Hospital	SERCO	Tender & contract programme planning	2011
New Royal Adelaide Hospital (PPP)	DCWC	Tender review and schedule risk analysis on behalf of consortium of financiers to identify the commercial risk and likelihood of completing the project within the contract dates.	2010

Building / Commercial Projects

T2 Expansion	APAM	Constructability review for staging of new buildings and decommissioning and cutover of existing building, developed of detailed master programme based on a revised staging, schedule risk analysis and tender review with evaluation of overall staging and risks to construction and disruption impacts to passengers.	2019 - 2020
Deakin LC Building	Deakin University	Provided independent review of construction sequence and achievability to provide an accurate forecast for completion	2019
Dame Phyllis Frost Centre Expansion Projects	DJR	Providing master programme and review of contractor's progress and EOTs. Planning included staging of buildings for prison operational requirements with staging of new and existing buildings and impacts to prison resources and beds capacity.	2017 - 2020
Barwon Prison	DJR	Providing master programme and review of contractor's progress and EOTs	2018 - Present
Concrete Silo and Clinker Storage Building	John Beever	Planning manager overseeing master programme development	2019
122 Berkley St	Urban	Constructability and Progress Review	2018
Melbourne Assessment Prison	DJR	Planning manager overseeing master programme and constructability	2016-2017
Parkville Youth Justice Centre	DJR	Constructability review	2017
Melbourne Remand Centre	DJR	Constructability review	2017

Melbourne Convention & Exhibition Centre Stage 2	Major Projects Vic	Cost Risk Analysis workshop to quantify and determine model inputs	2013
Urbanest	Built Environs	Cashflow and Schedule Risk Analysis	2016
Community Corrections Services Accommodation Expansion Project	DTF	Providing master programme and review of contractor's progress and EOTs	2015-2016
Karreenga Prison Expansion	DJR	Providing master programme and review of contractor's progress and EOTs	2015
Barwon HSU Prison	DJR	Monthly progress review and EOT claims advice	2015
Adelaide Casino Expansion	Skycity	Project Controls manager facilitating Risk Workshops and Schedule Risk Analysis. Analysis identified activity and risk drivers and changed the procurement methodology to mitigate the design risk and enable earlier completion of the project.	2014
Olympic Dam Expansion	ARUP	Construction planning	2012
223 William St Claim	DOJ	Analysis and advice on contractor claim	2010
500 Collins ST	Kador Group	Acceleration program	2010
717 Bourke St Docklands		EOT Preparation	2010
Partnership in Victorian Schools	DCWC	Monthly independent review	2010
Ararat Prison upgrade (PPP)	DOJ	Independent review of tenders	2009 - 2010

ICT Projects

OneCRM Project	UoM	Agile project controls including tools, and processes for backlog and sprint tracking and risks and issues management	2019 - 2020
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Digitisation Portfolio	Coles	Portfolio planning and resource forecasting and ERP system setup	2019
B2B Digitisation Projects	Telstra	Developed framework and reporting for running and monitoring a scaled agile project with more than 30 feature teams.	2017 - Present
Various Transition & Transformation Projects	Telstra	PMO framework and setup including managing the planning and scheduling team, running the master schedule, integration of cost and schedule systems with automated reporting.	2011 - Present
Airtrunk	DCWC	Independent review of DCWCs Cost and Schedule Risk Analysis methodology and results	2016
Nokia NBN	Nokia	manager for finance and schedule with the PMO	2016
Orica Transition & Transformation	BT	Planning manager for master schedule development and reporting within the PMO	2016
NBN fibre rollout	Service Stream	PMO manager overseeing the framework for design and master schedule planning and rollout	2015 - 2017
Fibre rollout	Transfield Services	Project controls	2011
Project TITAN	Alcatel-Lucent / Telstra	Master scheduler	2007 - 2008