



## Craig D Farr, Director, Tunnelling Solutions Pty Ltd

Bachelor of Engineering (Civil), Monash University 1988.

With over two decades of tunnelling experience, Craig has used all construction methodologies – TBM, roadheader and drill-and-blast – in all types of rocks and soils, using various support systems and all types of delivery mechanisms from Alliancing to hand dollar D&C. An expert in his field, he has been called upon for specialist advice from government bodies and major contractors

### Skills

- **Pre-contracts Management and Tender Delivery and Support**
- **Delivery of major multi-disciplinary and underground infrastructure projects**
- **All aspects of tunnelling works, (i.e. Shotcrete study, waterproofing, ground anchoring, pre work, etc)**
- **Design Management'**
- **Contract Management**
- **Development of a safety culture within a diverse team**
- **Constructability Reviews**
- **Peer Reviews**
- **Feasibility Studies**
- **Construction Management Support**
- **Budget Cost Reviews/Forecasting**

### Professional background

Upon receiving his Bachelor of Engineering (Civil) from Monash University in 1988, Craig's career started with Melbourne Main Water Board (MMWB) where he developed his knowledge in Water Supply Planning, Draining Design and site claims.

In 1991 the MMWB sold its Tunnelling Division to Transfield and Craig was offered the role of Site/Shift Engineer for the excavation and support of the TBM launch shaft where he was involved in Australia's first launch of a 4m diameter Lovat EPB TBM and then excavation and support of the first 4km soft ground portion of the project with its segmental lining system.

Craig's career with Transfield progressed from their first project on the Perth Main Sewer St1; their first offshore Project, Karak Highway Tunnel, Malaysia; the first major toll road tunnel in Australia, the Melbourne City Link and the first major civil infrastructure project delivered via Alliance in Australia, Northside Storage Tunnel. He also managed construction of the Perth Main Sewer 3 (D&C) and the Kai Tak Transfer Scheme in Hong Kong.

In 2002 Craig joined John Holland where he managed the tender and following award, the procurement and establishment of tunnelling operations for the twin 3-lane 1.5km long road tunnels associated with the Eastlink Project. In 2005 he was appointed the Construction Director of this section delivering over \$500m of infrastructure works, connecting road and bridge infrastructure, major tunnel ventilation buildings and systems. In 2006, Craig was awarded the prestigious John Holland Safety Award 'in recognition of the project that achieved outstanding performance in safety during 2006'.

From 2008 to 2010, Craig was assigned to manage a group of tunnelling specialists whose major focus was on planning for successful delivery of tunnel works by supporting both the pre-contracts and operational phases of projects.

In 2010 – 2014, and with his extensive hands-on tunnelling experience behind him, his primary role in John Holland was to convert prospects into projects. This was achieved through the coordination of not only the in house precontracts group but also teams from joint venture partners as well as various consultants and sub consultants – supporting tenders in the Middle East, Hong Kong, Singapore, New Zealand and Australia. The tenders have been hard dollar construct only – through to complex Alliances and all with a Civil/Tunnelling aspect.

In late 2014, Craig formed a business partnership with Harry Lyle, who has extensive production management experience and an impeccable reputation in the tunnelling industry. Their combined strength, global insight and local knowledge laid a solid foundation for creating a specialist Australian Tunnelling Contractor Company - Tunnelling Solutions Pty Ltd.

As Director of Tunnelling Solutions Pty Ltd, Craig now heads up the Project Development Team. He has since provided clients with Tender Support, Feasibility Studies, Constructability Reviews/Advice and Peer Reviews for tunnelling projects – \*some of which are: Western Distributor Tunnel, Melbourne; Melbourne Metro Tunnels; the Wafi Golpu Mine Development Study in PNG.. He is also involved in the construction/design of 3 pedestrian underpasses in Sydney and one in Melbourne.

\*Due to Confidentiality Agreements, some project names cannot be mentioned at this point