Constructability, Planning and Estimating

CAPABILITY STATEMENT

www.agonisgroup.com.au





Creating Collective Success

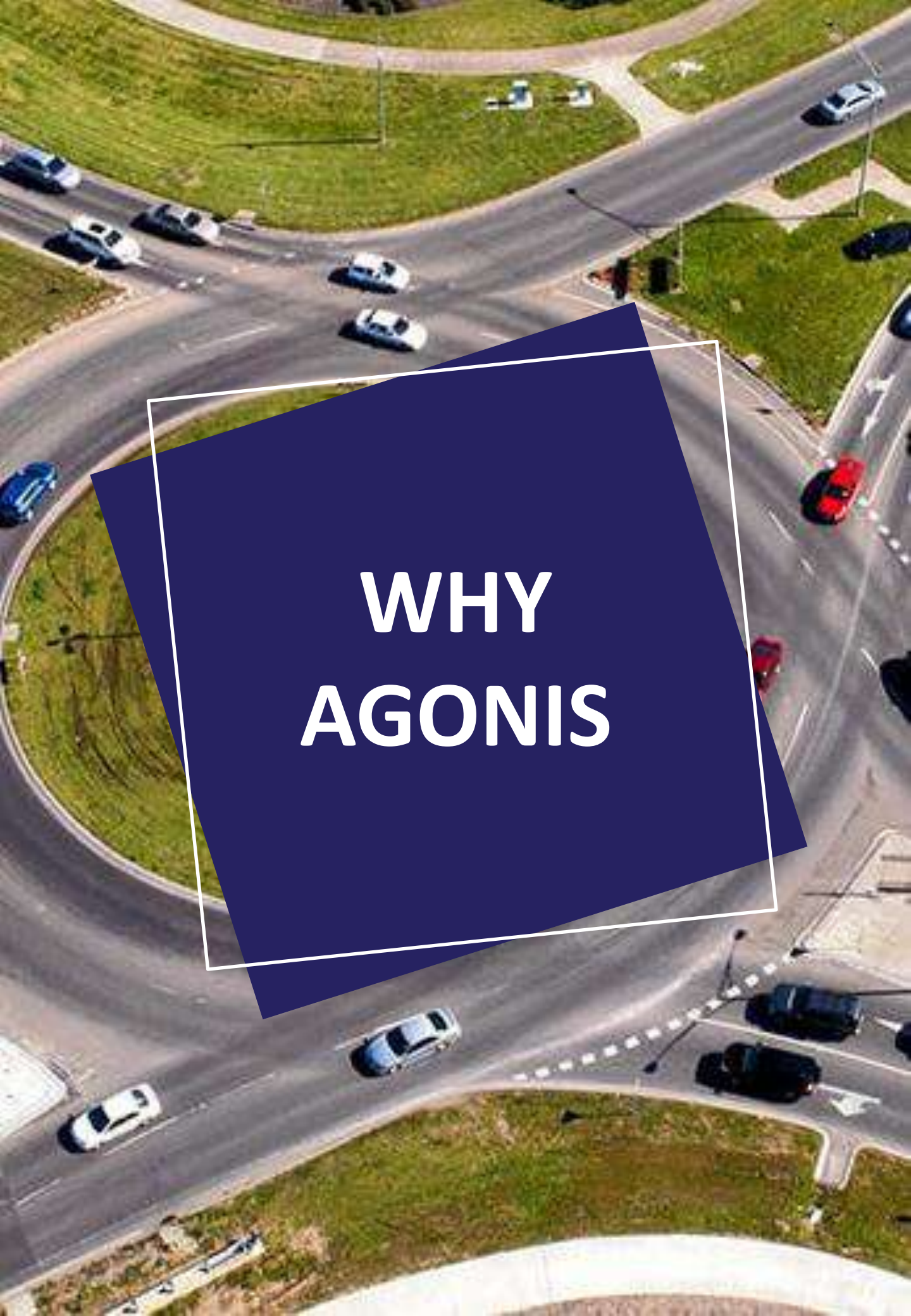
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WHY AGONIS

Agonis Group

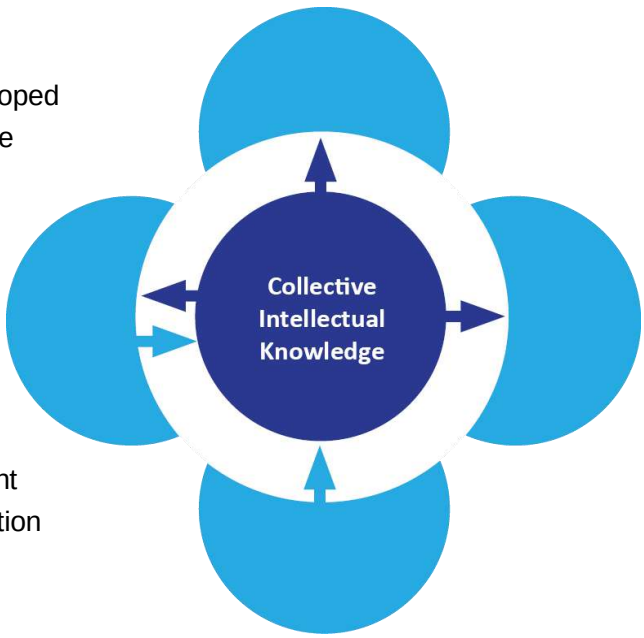
Agonis Group is an independent, 100% Australian owned and operated infrastructure advisory services consulting organisation. We provide specialist project engineering, constructability, site surveillance, commercial, management and technical services within Australia. Initially forged from high-calibre personnel from tier 1 contractors and asset owners, Agonis is practically grounded in construction project and delivery principles, timely problem-solving, and technical expertise. We add significant value in planning, managing, monitoring and de-risking projects to ensure coordinated, facilitated and on-time delivery, high quality, and value for money outcomes.

"Leveraging our Industry construction risk knowledge to provide integrated project buildability, operability, and maintainability."

Integrated Services

The name 'Agonis' comes from a native Australian tree known for its interconnected branches - interdisciplinary collaboration sits at our culture's heart. Our people are infrastructure industry leaders, able to leverage vast experience and networks across the public and private sectors. We are driven, knowledgeable, well-respected construction and maintenance specialists and know projects intimately from planning, procurement, delivery, and operating and maintaining.

Our team of subject matter experts have developed their careers and personal brand through active leadership on many important and complex infrastructure projects around Australia. We intervene, we educate while we deliver, further upskilling our client base while deployed on assignments. We bring together the best infrastructure expertise, whether large-scale projects or a mission-critical assignment for both government and private sectors, between client representation and contractors advisor.



The Agonis Tree



CONSTRUCTABILITY ASSURANCE SERVICES

- First principles estimating
- Leading Design optioneering
- Integrating Programming & Scheduling
- Leading Risk Identification & Implementation Strategy
- Providing Staging Strategies
- Sustainability integration
- Operability during & post-construction
- Maintainability during & post-construction
- Asset Integration & Handback
- Informing superior Stakeholder management

SECTORS

- Roads
- Tunnels
- Rail
- Water
- Social Housing
- Renewables
- Public infrastructure

DISCIPLINE STREAMS

- Utility relocations, protection, renewals
- Tunnels – construction logistics, technical, fire-life, ventilation, safety assurance
- Rail Systems & Operations
- Rail civil infrastructure
- Road infrastructure
- Traffic Management Planning
- Structures & Bridges
- Buildings & Stations

Our Constructability Services

WHAT WE DO

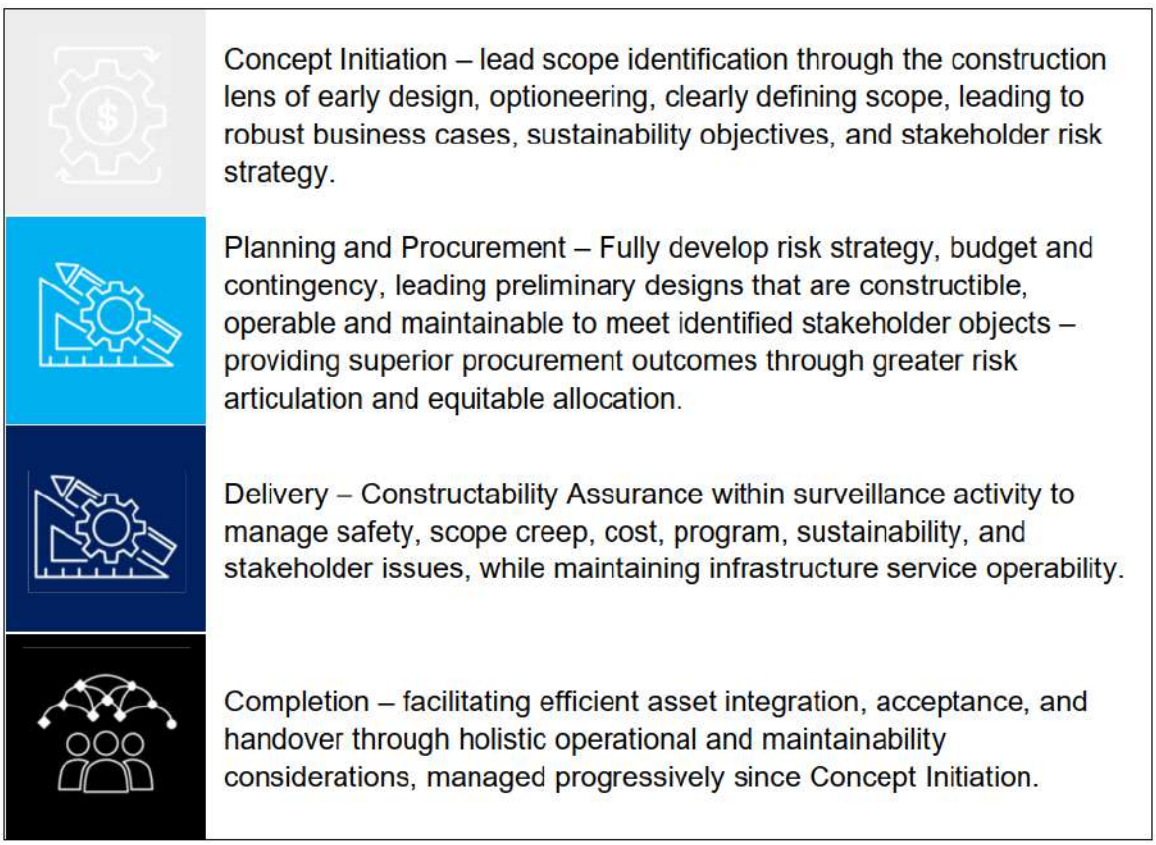
Constructability Assurance significantly reduces project cost, enhances program timeline surety, and aligns stakeholder expectations, community satisfaction, and infrastructure sustainability.

HOW WE DO IT

Leveraging our Industry construction and maintenance risk knowledge to provide integrated project buildability, operability, and maintainability.

WHEN WE DO IT

Constructability Assurance applies during all phases of the project life cycle.

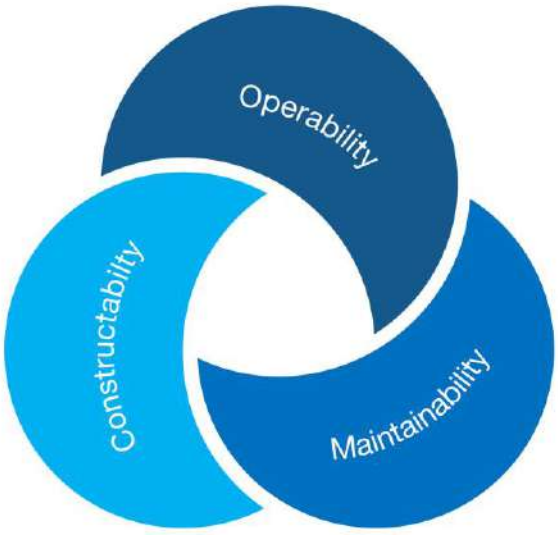


Our Constructability Services

The direct output of leveraging Agonis's constructability advice is that projects yield the benefits of Early Contractor Involvement (ECI) without being locked into that procurement model. We assist clients in providing the market with a level of certainty that what is being tendered for combined with taking on major commercial and reputational risk can be built and maintained. Doing this results in a win-win for the client, contractor, operator, maintainer, and community as a whole.

We have a dedicated team who get the tip of the spear assignments because of their experience in infrastructure construction and front end project development. These Subject Matter Experts (SMEs) add value over the life of their involvement and provide whole of life project assurance by engaging early in the process and not when it's too late.

Our SMEs consider all implications across the asset development lifecycle, leveraging their hands-on knowledge. It delivers a whole life complete perspective of projects that enable efficiency in design and maximises the wider team's efforts whilst not going down the path of the common trap of redundant design work and the deviation between tendered design and the as-built result.



- Informing Cost Estimation and providing first principles estimates
- Leading Design Optioneering
- Asset Integration and Handback
- Integrating Programming & Scheduling
- Leading Risk Identification & Implementation Strategy
- Providing Staging Strategies
- Sustainability Integration
- Operability during & post-construction
- Maintainability during & post-construction
- Informing Superior Stakeholder Management

Lower Project Cost
Enhanced Sustainability
Whole of Life Assurance

Our Services

We provide the layer of assurance for what is tendered for can be built. This is essential for project budget alignment and meeting business case objectives without deviation from the tendered design.

By utilising the skills and experience of our Construction Professionals, we are in a unique position to apply our Constructability Assurance Methodologies and Surveillance capability to the any sector of the Industry.

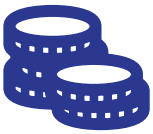
Infrastructure projects regardless of the sector generally have a layer of complexity greater than the challenges of the construction process. Many projects require that the construction solutions with a whole life vision should be designed and planned by personnel with a high degree and standard of hands-on experience building complex infrastructure assets.

Agonis guarantees that the key elements that make up a successful project are assessed, critiqued, advised on, and delivered, which underpins the trajectory of a successful project from inception through to life cycle maintenance.

Our Team's Capability and Experience	
Technical Capability	Utilities
	Roads
	Traffic Management
	Rail Civil Infrastructure, Systems, Operations, & Interface Management
	Cost Engineering & Estimating
	Engineering Management
	Tunnelling & Tunnel Systems
	Bridges & Structures
	Geotechnical
	Planning & Programming
	Buildings

Our Value

Agonis Group Constructability, Planning and Estimating Services ultimately enables informed and wholistic key decision making for major development and delivery processes that include:



- Project scoping and costing



- Design direction and solution optimisation



- Disruption management



- Requirements development and adjustments



- Heritage and environmental management



- Delivery packaging and procurement strategy



- Programming and market capacity assessment



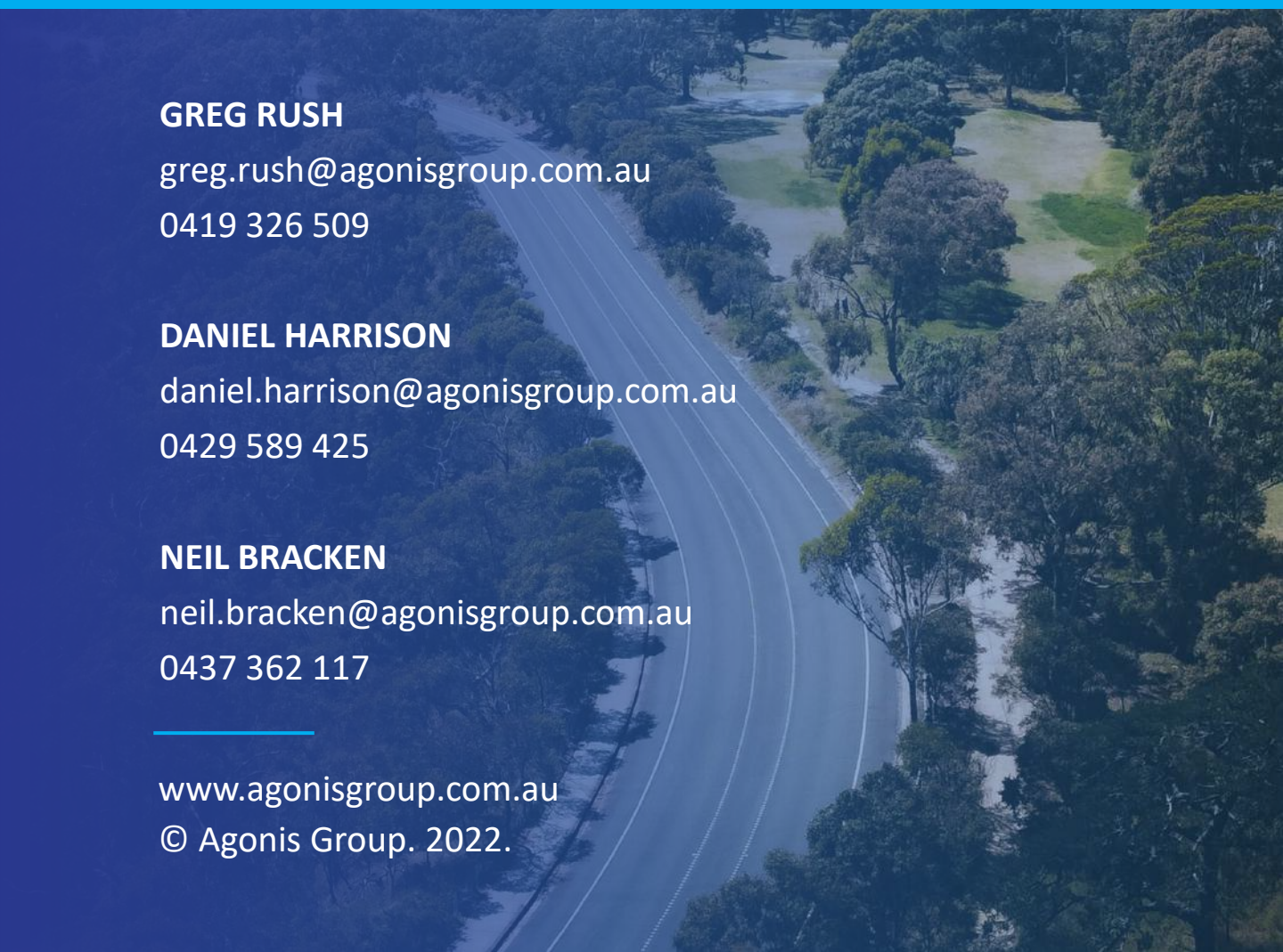
- Activity prioritisation and acceleration

OUR PROJECTS

Agonis Group people have been instrumental in developing and delivering some of the largest and most successful infrastructure construction and maintenance projects undertaken in Australia and internationally. Our collective project experience extends over 30 years. A small selection of our recent and current Agonis constructability projects include:

- North East Link (Constructability & Surveillance)
- Level Crossing Removal Project (Constructability & Surveillance)
- Geelong Fast Rail (Business Case & Constructability)
- Suburban Roads Upgrade (Constructability & Procurement)
- Metronet (WA) Level Crossing Removals (Constructability & Surveillance)
- Nepean Highway Upgrade (Constructability)
- Tailem Bend Motorsports Upgrade (SA)
- Streamlining Hoddle Street (Constructability & Estimating)
- Plenty Road Upgrade Stage 2 (Constructability & Estimating)
- Patterson River Road Bridge Replacement (Constructability)
- Richmond Station Redevelopment (Constructability & Business Case)
- Vic Station Car Park Program (Constructability)
- Federation Square East Redevelopment (Constructability)
- Circular Quay Redevelopment (Constructability)
- Maidstone Tram Facility and Hampstead/Williamson Roads (Constructability)
- City Tram Extension & North Terrace Upgrade (Constructability & Surveillance)
- SA Intersection Upgrade Program 2019 (Constructability)
- Western Sydney Airport Link (Constructability & Procurement)
- Melbourne Airport Rail (Constructability & Surveillance)

CONTACT US



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