



The Infrastructure Sustainability Council

# *Annual Gala Dinner & Awards*





# LOW-CARBON BUILDING SOLUTIONS

## GLOBAL KNOWLEDGE, LOCAL EXPERTISE

Holcim Australia is a leading supplier of aggregates, ready-mix concrete, and engineered concrete solutions and precast concrete pipes.

Part of the Holcim group, our involvement in the local building industry and our proud history in Australia dates back to 1901.

## SUSTAINABILITY AND INNOVATION

We are empowering our customers across all regions to build better with less with our range of low-carbon and circular solutions, including ECOPact concrete. Delivering transparent and verifiable information on the environmental impacts of our products is a key objective of our sustainability strategy.



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# Menu

## Drinks

### SPARKLING

Hardy's The Riddle Brut Reserve NV

### WINE

Hardy's The Riddle Sauvignon Blanc

Hardy's The Riddle Shiraz

### BEER

Peroni

### NON ALCOHOLIC

Soft drinks

## Entrée

### SOURDOUGH BREAD ROLLS

with organic butter

and

### ROASTED YAMBA X-LARGE KING PRAWN,

with cherry tomatoes, caper berries, mango avocado salsa,  
tendrils, lemon oil (gf)

### VEGETARIAN OPTION - GRILLED CAULIFLOWER,

with Grilled cauliflower, pickled eschalot, radish, flamed pencil leek,  
tapioca, coral lettuce and spring green oil (vg)

# Menu

## Main Course - Alternate Serve

### **CRISPY SKINNED CHICKEN**

with fondant potatoes, sauté spinach, salsa verde (gf,lf)

or

### **PORCINI CRUSTED SPRING LAMB RUMP**

with potato puree, roast vine cherry tomatoes, port wine jus,  
tendrils (gf)

or

### **VEGETARIAN OPTION - POTATO GNOCCHI**

with burnt sage butter, zucchini and peas (v, gf)

## Petit Fours

**LEMON MERINGUE TART**

**MACADAMIA NUT ROCKY ROAD (GF)**

## Apress

After your meal, you are served organic and sustainable coffee and  
a selection of fine teas.



# *Gala Dinner Emcee*

**Julia Morris is one of Australia's most accomplished and celebrated performers.**

**A quadruple threat, Julia has seamlessly moved between the stage and the screen for over 34 years.**

**Julia first appeared on Aussie TV at 17, singing on the talent show New Faces. By the mid-nineties Julia was a household name as a headlining stand-up and actor, with starring roles in comedy sketch favourite Full Frontal, night time talk show In Melbourne Tonight and comedy panel show, Beauty and the Beast. Julia also starred in the Melbourne run of the hit Broadway musical 'I Love You, You're Perfect, Now Change!'**

**As a stand-up comedian, Julia has featured in every major comedy festival in the world, taking to the stage with Whoopi Goldberg, Richard Pryor and Robin Williams. From Comedy Festival Galas to the Prime Minister's Midwinter Ball, Julia's infectious humour is universally loved.**

**Moving to London in 2000, 'Lady JMo' featured in several British sitcoms, co-hosted Liquid News, a daily entertainment show on the BBC while also featuring on several comedy panels including Stephen Fry's QI.**

**Her 2001 solo show won the prestigious Herald Angel Award at the Edinburgh Comedy Festival. With a groundswell of comedy fans, Julia also won Time Out London's 'Comedy Performer of the Year'.**

**Julia gave birth to her first daughter, Ruby, in London. They moved back to Australia in 2008, where Julia and Australian Opera star David Hobson won Channel 7's celebrity singing show It Takes Two.**

**Julia gave birth to her second daughter, Sophie, in 2008 and with a babe in arms, she became a published author, penning some of her memoirs in 'Don't You Know Who I Used To Be?' in 2009.**



Having won 'Best Australian Act' at the Time Out Sydney 2009 Comedy Awards, Julia relocated her family to Los Angeles, where she studied with Hollywood acting coach, Lesly Kahn.

In late 2011 Julia returned home to become Australia's very first Celebrity Apprentice, raising nearly \$200,000 for breast cancer research along the way. By the following year, Julia was cast as the female lead, Gemma Crabb, in the Nine Network drama House Husbands. The show established itself as an audience favourite, with Julia being nominated for 'Most Popular Actress' in Australia's Logie Awards for five years in a row. The final season of House Husbands was broadcast in 2017.

Between August and November 2013 Julia hosted Nine Network's Australia's Got Talent. The same year, her 'No Judgement' stand-up tour won the Helpmann Award for Best Comedy. (Australia's Tonys.)

The large formats just kept coming, and in 2015 Julia co-hosted the very first Australian season of Network Ten's hit reality show I'm A Celebrity... Get Me Out Of Here! with Dr Chris Brown. I'm A Celebrity has since become a highlight of Ten's annual TV calendar, shooting each year near the Kruger National Park in South Africa.

In February 2019, Julia went straight from the African 'jungle' to Chris and Julia's Sunday Night Takeaway, the Australian version of the 'Ant and Dec' feel-good UK hit. In 2020, Julia appeared as Kitten on 'The Masked Singer', making it to the top 4 in the semi-finals before being unmasked and followed this up with a return to the jungle for the new season of 'I'm a Celebrity...Get Me Out of Here!' to kick off the new year.

In 2021, Julia released the Audible original, Julia Morris Makes it EASY as an audiobook and paperback out in bookstores through HarperCollins Australia. In 2022, Julia was nominated for the Gold Logie for Most Popular Personality on Australian Television and returned to screens as host on Season 8 of I'm A Celebrity... Get Me Out Of Here! that won Most Outstanding Reality TV Program at the TV WEEK Logie Awards.

2023 proved to be another standout year, with Julia returning to host Season 9 of I'm A Celebrity and joining the premiere season of Taskmaster Australia as a contestant. She also made memorable appearances on shows such as Guy Montgomery's Guy Mont Spelling Bee, Have You Been Paying Attention, Thank God You're Here, Celebrity Gogglebox, and served as the narrator for Dog's Behaving Badly. Alongside her TV work, Julia toured her show 75 Years in the Business to sold-out audiences across Australia.

In 2024, Julia returned to the jungle alongside her new co-host, Robert Irwin, for Season 10 of I'm A Celebrity... Get Me Out Of Here!, with Season 5 already announced for a 2025 premiere.



# About the Awards

The 2024 Infrastructure Sustainability Council Awards continue the Council's well-established tradition of advancing leadership in sustainability by celebrating best practice across the Australia and New Zealand infrastructure sectors by:

- encouraging best practice
- acknowledging leadership
- recognising role models
- rewarding valuable contributions
- promoting leading organisations

This year's awards will exemplify excellence in sustainability across environmental, social, governance, and economic quadruple bottom line outcomes and outstanding contributions to market transformation at organisational, systemic and societal levels.





# *Annual Award Judges*

**Dimi Rigas,**  
**National Transport Commission**

**Adam Beck,**  
**Ene-Hub**

**Katie Cooper,**  
**Metro Tas**

**Heather Wagland,**  
**Energy Charter**

**Teresa Scott,**  
**Australasian Procurement and  
Construction Council**

**Erin Coldham,**  
**Southerly Ten**

**Alison Scotland,**  
**ASBEC**

**Matthew Shinkel,**  
**Rede Project Consulting**

**Brijesh Parmar,**  
**Sustainability Victoria**

**Ainsley Simpson,**  
**Seamless**

**Darren Hill,**  
**Horizon Power**

**Lauren Streifer,**  
**Public Transport Association  
Australia New Zealand**

**Jamie-Lee Owen,**  
**Public Transport Association  
Australia New Zealand**

**Ian Van Eerden,**  
**Northrop**

**Renee McGlashan,**  
**North Queensland Bulk Ports  
Corporation**

**Kirsty McCartney,**  
**Westpac**

**Nicola Wallace,**  
**Abergeldie**

**Rupa Khatri,**  
**Port Hedland WA**

**Jessica Storer,**  
**Pacific Hydro**

**Brook Hall,**  
**National Transport Research  
Organisation**

**Tara Hage,**  
**Infrastructure SA**

**Rick Walters,**  
**Aware Super**

**Adrienne Miller,**  
**UDINZ**

**Tony Darwinto,**  
**EMRC**

**Lara Mottee,**  
**Sydney University**

**Michelle McCormick,**  
**Infrastructure New Zealand**

**Susy Cenedese,**  
**Local Government NSW**

**Karen Jamal,**  
**KJ Comm**



# *Excellence in Governance Award Finalists*

## **Fitzgerald and Robinsons Road Level Crossing Removal Projects The Metropolitan Roads Program Alliance (MRPA)**

The Metropolitan Roads Program Alliance (MRPA), including Fulton Hogan, Level Crossing Removal Project, and Metro Trains Melbourne, has achieved notable sustainability successes through a strong governance framework, collaborative efforts, and innovation.

MRPA's approach emphasized sustainability from the start, focusing on collaboration, system development, and continuous improvement.

Key initiatives implemented on the Fitzgerald and Robinsons Road Level Crossing Removal Projects included the development of a paperless data capturing system and sustainability dashboard, Design Artefact Checklists and energy, materials, and water models. The Minimum Material Standard (MMS) and Minimum Biodiesel Standard (MBS) were also developed and mandated across the program of works.

Their dedication has not only led to significant successes but also fostered a vibrant team environment where collective efforts have driven meaningful sustainability results and a wider adoption of sustainable practices across the industry, which will undoubtedly leave a lasting legacy and contribute to multiple UN Sustainable Development Goals (SDGs).

## **Pound Road West Frankston-Dandenong Road Bridge Upgrade MRPV, Seymour Whyte, SMEC**

MRPV, Seymour Whyte and SMEC successfully integrated sustainability into the Pound Road West and Frankston-Dandenong Road Upgrade Project, leading to exceptional outcomes.

Despite its scale, the project stands out for its innovative approach to sustainability, safety, and community engagement. Key initiatives included trials of eco-friendly materials like Recovered Carbon Black (RcB) asphalt, the use of glass-fibre-reinforced-polymer bars and promoting women in construction. The project prioritised value opportunities into the local economy, improving infrastructure and fortifying partnerships.

Through stakeholder collaboration and a commitment to reducing impact, the project set a new standard for responsible infrastructure development, supply chain engagement and delivering value for the community.

## Metro Tunnel Project

Social sustainability initiatives are some of the hardest to measure the full return of investment, with detailed measurement of outcomes typically not within the remit of infrastructure projects. In delivering the Metro Tunnel Project's Tunnels and Stations package of works, CYP Design & Construction sought to change that by undertaking six Social Return on Investment (SROI) studies over five years to verify the value of three priority social sustainability initiatives, with the three evaluative SROI analyses conducted in 2023-24. These detailed studies have undergone third-party independent assurance by Social Value International, the global network for social value and impact measurement that promotes the use and development of the SROI methodology. They were used by CYP Design & Construction to inform the evolving design and implementation of the initiatives and to inform government and the consortium about how projects can create social value alongside meeting the critical infrastructure need.

## Union Road and Mont Albert Road Level Crossing Removal Project South Eastern Program Alliance

This Project represents a landmark achievement in integrating sustainability into major infrastructure projects. From the outset, SEPA developed a comprehensive sustainability strategy targeting decarbonisation, circular economy, and biodiversity. This strategy was built on insights from previous projects and was crafted through a collaborative process involving senior leadership and functional experts, ensuring sustainability was woven into every stage of the project.

The project significantly reduced carbon emissions, surpassing its initial targets, through the adoption of a build-less approach. Circular economy principles were successfully integrated, leading to effective material reuse and recycling, reducing waste, and promoting sustainable resource management. Biodiversity efforts included habitat conservation, planting native vegetation, and creating wildlife corridors, which positively impacted local ecosystems. The knowledge and insights gained have been shared, allowing other projects to benefit from the Project's best practices. This ensures that the innovative sustainability strategies used on the Project continue to drive improvements in infrastructure development.

## Award Partner



**NSW Public Works**  
Department of Regional NSW



# *Excellence in Economics Award Finalists*

## **Keon Parade Level Crossing Removal Project Level Crossing Removal Project**

The Recycled First Competition is an innovative initiative developed by the North Western Program Alliance (NWPAA) aimed at promoting sustainability in infrastructure by driving significant economic value for the circular economy.

By addressing and solving key barriers to the use of recycled products, NWPAA's competition brought new, cost competitive recycled products to market, reducing both carbon emissions and waste, while supporting the creation of new jobs and local businesses.

The competition has fostered collaborative partnerships across the supply chain, opening up new procurement opportunities and driving industry wide cultural change. It has provided significant investment to facilitate the pathway to market for multiple recycled products and materials, while also removing perceived 'green premiums'. The competition has created a 'beacon' for other industries, by generating a replicable model that demonstrates how to harness economic impact and shows the potential for long-term value creation using recycled products in infrastructure.

## **Morley to Ellenbrook Line Project MELconnx Alliance (Laing O'Rourke and OMTID)**

The MELconnx Alliance (Laing O'Rourke and the Public Transport Authority) is delivering the METRONET Morley-Ellenbrook Line, one of Perth's largest public transport projects.

The Project is an exemplar of meaningful Aboriginal engagement, leaving a positive legacy through a series of initiatives that addressed METRONET's Gnarla Bidji (Our Pathways) Strategy and supported Stretch Reconciliation Action Plan objectives. The project achieved industry leading outcomes including:

- Significant cultural input into placemaking with fourteen local and six Noongar artists creating twenty public art pieces across five train-stations, the largest art collection (\$19million) commissioned on a METRONET project.
- Indigenous procurement totalling \$53million across fifty-two local Aboriginal businesses
- Indigenous employment participation rate of 5.5% across 5,000-strong workforce
- Eleven Indigenous traineeships completed, above industry average.

The persistence in achieving outstanding economic and social outcomes for the Indigenous community on the Project has supported greater inclusion and improved supplier diversity within the broader industry.

## Metro Tunnel Project

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## Dubbo Mindyarra Regional Rail Maintenance Facility CPB Contractors

The Mindyarra Maintenance Centre in Dubbo, designed and built by CPB Contractors, is a cutting-edge train maintenance facility that marks a significant milestone in regional infrastructure. This world-class project underscores a commitment to renewable energy, socio-economic sustainability, and water conservation, delivering substantial benefits to the local community. The MMC has created numerous jobs, fostered skills development, and enhanced industry participation, setting new benchmarks for socio-economic outcomes. The Regional Rail Project has invigorated the regional economy by prioritising local workforce and business engagement, with notable participation from Aboriginal workers and businesses. Additionally, it has provided valuable training and apprenticeship opportunities, ensuring long-term benefits for the region. The facility's innovative water recycling system meets all non-potable water needs sustainably, avoiding reliance on the Macquarie River. Achieving Net Zero for annual electricity demand, the MMC sets new standards in sustainability within the rail industry, contributing significantly to the state's Net Zero energy goals.

## Award Partner

The AECOM logo is displayed in a white rounded rectangle. The word "AECOM" is in a bold, sans-serif font. The "E" is stylized with a horizontal bar that transitions from blue to green.



# *Excellence in Environmental Award Finalists*

## **Unanderra and Towradgi Station Upgrade Projects Degnan and Transport for NSW**

Degnan & Transport for NSW delivered the Towradgi and Unanderra Station Upgrade projects, which included a number of sustainability initiatives and partnerships. Through working with Makinex to develop a containerised solar PV battery system designed for easy transport and installation on construction sites, the Unanderra project integrated renewable energy generation and storage within a compact footprint.

The system's unique mounting allows secure attachment to standard shipping containers, offering quick, cost-effective deployment. Additionally, in collaboration with the Sustainable Building Research Centre (SBRC) at the University of Wollongong, Degnan implemented an innovative low-carbon foamed concrete façade at the Towradgi project, reducing carbon emissions by up to 61%. Both initiatives have achieved ISC-verified Australian-First Innovations.

## **Western Plains Correctional Center**

Western Plains Correctional Centre is a 1,248 bed state-of-the-art maximum-security male prison. Which embodies a commitment to sustainability and safety focusing on rehabilitation and reintegration for people in custody. It is the first new-build custodial facility in Australia to be awarded an IS Certification for outstanding sustainability outcomes.

The project team has achieved an IS v2.0 'Silver' Design and As Built Certification. This is underpinned innovative rainwater harvesting and treatment systems for non-potable water supply, surpassing benchmarks and achieving an 46% reduction in whole of life water demand. This translates to an annual supply of 28ML of harvested rainwater.

Our approach incorporates stormwater drainage, retention basins, tank farm, water treatment and advanced water management solution, ensuring efficient water use for non-potable water applications within the facility. This project showcases our dedication to environmental stewardship and community impact. Together, we are shaping a sustainable future.

## **Sydney Metro West Western Tunnelling Package**

### **Gamuda and Laing O'Rourke Consortium and Boral**

The Gamuda and Laing O'Rourke Consortium's Sydney Metro West – Western Tunnelling Package project has pioneered three significant innovations, leading to a more sustainable tunnelling operation:

- **Australia's First Autonomous Tunnelling Boring Machine (A-TBM):** Implementing AI-driven autonomous operation, minimising human intervention whilst achieving an 8% energy saving compared to manual TBMs.
- **100% Recycled Water for TBM Operations:** Collaborating with Herrenknecht, the Rosehill Water Treatment Plant treats groundwater and rainwater to meet TBM needs and NSW Environmental Protection Authority (EPA) standards, ensuring complete water recycling.
- **Industry-Transformative Precast Segment Mix:** Developing an industry transformative precast tunnel segment mix with 50% supplementary cementitious material (SCM), an Australian first in precast tunnelling segment production. Meeting Sydney Metro's aspirations, this expectation is now extended to delivery partners across other Sydney Metro projects.

## **Northshore Hamilton Street Renewal Program**

### **Economic Development Queensland**

Northshore Brisbane, Queensland's largest waterfront urban renewal precinct, is designed as a model for sustainable, sub-tropical living. It will serve as the Brisbane 2032 Olympic and Paralympic athletes' village, later transitioning into a dynamic residential, commercial, and industrial area.

Through EDQ's Northshore Street Renewal Program, the project intends to achieve 76% shade cover on verges and 63% across the site, helping to reduce heat stress and enhance climate resilience. The project incorporates culturally significant vegetation for First Nations peoples and climate-resilient tree species, promoting a sustainable lifestyle for future residents.

The success of the project is due to an innovative digital workflow and an interdisciplinary approach, addressing challenges such as street lighting, passive irrigation, flooding, water quality and accessibility. This initiative not only creates shaded, comfortable spaces but also enhances active transport routes and supports the sharing of cultural knowledge, contributing to a more resilient future.



## **Union Road & Mont Albert Road Level Crossing Removal Project**

### **South Eastern Program Alliance**

The Union Road and Mont Albert Road Level Crossing Removal Project has set a new standard in environmental sustainability through a build-less approach and the use of the decarbonisation hierarchy. By reducing construction scale, innovating material use, preserving heritage, and managing environmental discharges, the project has demonstrated a comprehensive approach to minimising environmental impact and achieving long-term sustainability.

The project achieved a reduction in embodied GHG emissions by 32%, driven by the avoidance of building an additional station and platforms. The project worked with the supply chain to pioneer the development of a 70% SCM pilling mix. The team focused on preserving the history of the local area by refurbishing and repurposing the Mont Albert Station building as a community space. This reuse aligns with circular economy principles, yielding positive embodied carbon and community outcomes.

## **Morley to Ellenbrook Line Project**

### **MELconnx Alliance (Laing O'Rourke and OMTID)**

The MELconnx Alliance, a collaboration between Laing O'Rourke and the Office of Major Transport Delivery, is spearheading the METRONET Morley-Ellenbrook Line Project delivering 21kilometers of double-track rail, five new stations, and associated major structures. A key performance indicator has been to minimise carbon impacts and support circular economy outcomes, achieved through the innovative use of recycled materials. Central to this initiative was the implementation of FOGO (Food Organics and Garden Organics) in large-scale landscaping. Despite initial scepticism, close collaboration with key stakeholders has implemented a significant trial of FOGO-enriched soil-conditioner, incorporating >900tonnes of FOGO across 36,385sqm of landscaping, diverting ~3,200tonnes of household waste and ~6,000tonnes CO2e- from landfill. A two-year trial optimising soil blends for native planting aims to advance industry knowledge and acceptance. The trial has fostered new business opportunities for suppliers and set a precedent for large-scale use of recycled materials in support of the local circular economy.

### **Award Partner**

The Aurecon logo, featuring a small green square above the letter 'a' and the word 'aurecon' in a bold, dark grey sans-serif font.

# *Excellence in Social Award Finalists*

## **METRONET Byford Rail Extension's Urban Forest Strategy** **The MetCONNX Alliance (comprising Laing O'Rourke Australia and the Office of Major Transport Infrastructure Delivery, WA)**

The collaborative development of the extensive urban forest strategy on the Byford Rail Extension Project has set a new standard in prioritising preservation of urban ecosystems during infrastructure delivery through collaborative stakeholder and community engagement.

The significant efforts undertaken by MetCONNX's Tree Working Group to challenge business-as-usual-delivery practices, has resulted in outstanding improvements from original canopy loss projections of 64% at Reference Design, to an expected 70% retention to date, and projected 32% increase (above baseline) over time. This equates to an outstanding 94% improvement in canopy retention (>37,000sqm)!

Improving design and construction methodologies that concentrated on protecting significant trees and habitat with high ecological value, as well as optioneering with external stakeholders, has informed responsible decision-making and built trust and buy-in. This approach demonstrates what is possible when delivering large-scale infrastructure projects when natural capital preservation is prioritised, to create enduring outcomes for people and the environment.

## **Sydney Metro West Western Tunnelling Package** **Gamuda and Laing O'Rourke Consortium**

GLC has successfully established the first Tunnelling and Infrastructure Academy (TIA) in NSW. The TIA is a purpose-built state-of-the-art training facility on site on the Sydney Metro West – Western Tunnelling Package project. The TIA features bespoke technical equipment which simulates the live environment of a tunnelling site, in a completely safe environment. The TIA addresses a national skills shortage within the construction and engineering industry and the capability needed to deliver a national pipeline of infrastructure work. To attract a more diverse workforce, including women and youth, the TIA was designed to upskill our existing workforce while also attracting new entrants to the industry. This is achieved through the roll-out of unique opportunities for young people and other diverse groups to access new jobs through Pre-Employment Program pathways, school-based programs and a first-of-its-kind national accreditation in tunnelling operations.



## **M7-M12 Integration Project - The Late-Start Program**

**John Holland**

The Late-Start program at John Holland's M7-M12 Integration project is revolutionising the construction industry by redefining working hours and offering greater flexibility to all. Supported by the NSW government, this groundbreaking initiative introduces a second rostered pre-start of 8:45am – complementing the standard 6.45am session – meaning women, other parents and carers, and those with varying morning commitments can now pursue a career in construction. Unlike the vast majority of similar pre-employment initiatives, the Late-Start program is both paid and provides job security from day one, with participants offered an apprenticeship at John Holland as soon as their training commences. This unique program not only helps to diversify the construction industry's workforce, which currently comprises just 15% women, it also helps to address the sector's skills shortage by promoting construction as a flexible and accommodating employer of choice.

## **Tonkin Gap Project and Associated Works**

**Main Roads Western Australia, Public Transport Authority,  
Georgiou, BMD, BG&E and GHD**

The Tonkin Gap Alliance has delivered a transformative project and successfully revitalised the underutilised area beneath the Mooro-Beeloo Bridge into a dynamic community space. This initiative, along with the integrated heritage trail, prioritises broad social, cultural and environmental benefits, with robust community and stakeholder engagement processes driving the design and execution.

Through extensive collaboration with the local community, Traditional Owners and other key stakeholders, the team have successfully integrated cultural recognition, recreational amenities and environmental enhancement. The key features of this initiative include:

- Mountain bike pump and skills tracks
- Renaming of Redcliffe Bridge to Mooro-Beeloo Bridge
- Interpretive heritage node and signage
- Yarning circle and artwork
- Extensive revegetation and Whadjuk planting

This project leaves behind a lasting legacy for the local community that enhances social infrastructure and amenity, ensuring a space that will be appreciated for generations to come.

## Unanderra and Towradgi Station Upgrade Projects Degnan and Transport for NSW

The Towradgi and Unanderra station upgrades exemplify how infrastructure projects can drive social outcomes. Through a focus on accessibility, cultural integration, and community engagement, these stations have become more than just transit points—they are community landmarks that reflect and celebrate the local culture.

The projects highlight the importance of inclusive design and strong partnerships in delivering infrastructure that truly serves the needs of the community. By integrating Indigenous knowledge and sustainable practices, Degnan ensured that these stations provide not only functional benefits but also social and cultural value.

The collaboration with local communities, particularly Indigenous groups, has resulted in spaces that are welcoming, respectful, and meaningful to the people who use them. These projects serve as a model for future developments, demonstrating the impact that thoughtful, community-centred design can have on public infrastructure.

**Award Partner**





# *Private Sector Finalists*

## **Ventia**

Ventia's Social Value Framework has redefined how infrastructure services are delivered by equally prioritising environmental and social sustainability within its corporate strategy. By implementing the pioneering ANZ TOMs (Themes, Outcomes, and Measures) system, Ventia not only measures its social impact but is also influencing systemic change across industry.

This framework has generated \$4.3 billion in social value in 2023, with significant contributions to local employment and spend, Indigenous participation, and sustainable procurement practices. Ventia's proactive leadership, including co-chairing the Social Value Taskforce for ANZ, has established a unified approach to measuring social value across the region, setting new standards for the industry. By making the TOMs system open-source, Ventia empowers others to adopt these best practices, enhancing the sector's social license and ensuring long-lasting positive impacts on communities across Australia and New Zealand. This submission highlights Ventia's transformative contribution to inclusive and resilient infrastructure.

## **ARUP**

Dedicated to sustainable development, Arup is a collective of designers, consultants and experts working globally. Founded to be humane and excellent, we collaborate with our clients and partners using imagination, technology, and rigour to shape a better world.

As an independent firm, with a trust structure, Arup has no external investors. The Australasia Region encompasses Australia, New Zealand, Singapore, Indonesia, and Malaysia, with a 3000-strong team providing consultancy services to government, corporate and community-based clients.

Arup has worked on some of Australasia's highest profile projects in recent years, including helping shape the industry's approach to sustainability. We undertake projects of all types and sizes from feasibility reports and specialist studies to detailed design and large-scale major project design and construction.

## Boral

Boral has developed our proprietary high binder content crumb rubber asphalt think surfacing mix that offers performance benefits, reduction in surface thickness and environmental benefits by using circular economy principles to divert rubber tyres otherwise destined for landfill into a new, sustainable product.

## Gamuda and Laing O'Rourke Consortium and Boral

In response to transformational performance requirements set for the industry by Sydney Metro, the Gamuda and Laing O'Rourke Consortium (GLC), in partnership with Boral, developed an advanced high supplementary cementitious material (SCM) precast segment mix for the Sydney Metro West - Western Tunnelling Package (WTP). The precast segment mix incorporates a 50% SCM replacement and is being used to build the WTP tunnels.

The result of this initiative is a precast segment mix that represents an industry first, establishing a new benchmark for sustainable concrete mixes in tunnelling projects. The introduction of the advanced sustainable precast segment mix has been transformational for the industry and has influenced the approach to concrete mix design across major projects in NSW. This is particularly evident with Sydney Metro West, where the positive outcome and performance of the new mix has led to its adoption on other tunnelling packages..

## Award Partner



**InfraBuild**

*Building futures through sustainable steel*



# *Public Sector Finalists*

## **Office of Major Transport Infrastructure Delivery**

OMTID has been a pioneer in sustainable infrastructure delivery in Western Australia. Through its outcomes led prioritisation approach, OMTID has transformed its internal processes and driven industry-wide change. By prioritising sustainability outcomes and collaborating with stakeholders, OMTID has achieved significant results, including Infrastructure Sustainability and Green Star certifications, increased resource efficiency, and positive social and environmental impacts. This approach has not only benefited OMTID but has also set new standards for the broader industry.

## **Main Roads Western Australia**

Main Roads has significantly impacted the industry by pioneering IS Planning and Program Ratings, reducing risks for other infrastructure agencies, and supporting low-carbon, resilient infrastructure.

In 2018, we piloted the Planning Rating during the Bunbury Outer Ring Roads (BORR) project, setting a precedent for incorporating sustainability commitments from planning through procurement, construction and delivery. This initiative has influenced government policy on decarbonisation, climate resilience, and Aboriginal engagement. Since BORR, we have committed to conducting Planning Ratings for all projects over \$100 million.

In 2020, the EastLink WA Project became the first to undertake a Program Planning Rating. Spanning regional and metropolitan areas, this rating addresses diverse stakeholder needs. We have shared our learnings with industry and encouraged other agencies to adopt a Program approach.

Through Main Roads' pioneering efforts in Planning and Program Ratings, we have mitigated risks for other agencies and set a standard for early sustainability integration.

## **Award Partner**



# *Emerging Leader Finalists*

## **Kate Rowan** **John Holland Group**

Kate Rowan is actively working to revolutionise sustainability within the construction industry. As Sustainability Lead at the North Western Project Alliance (NWP), an alliance tasked with removing some of Victoria's most dangerous level crossings, Kate is a much sought after leader and strategic thinker. Kate's groundbreaking Recycled First Competition has transformed industry attitudes and removed barriers to the adoption of recycled products and materials in the construction supply chain. Her world first Social Return on Investment (SRI) study during her time at the Metro Tunnel Project has won acclaim for measuring sustainability's social impact. Kate's leadership has secured three 'Leading' IS ratings and three Australian first innovations for NWP. Recognised as "Future Green Leader of the Year" by the Green Building Council of Australia in 2021, Kate is an active champion in construction's circular economy. Her collaborative approach and measurable outcomes make her an outstanding leader in sustainable infrastructure.

## **Heidi Dumesich** **Ventia**

Heidi Dumesich is making an impact in sustainability, both in her professional role and beyond. As a passionate leader, she is pioneering key initiatives like renewable diesel and supporting the continued use of crumb rubber and other sustainable asphalt mixes in road projects, reducing environmental impact and setting new industry standards. Beyond the office, Heidi co-hosts the "Life on Planet A" podcast and has collaborated with Ventia on sustainability in asset management, educating and inspiring a broader audience. She also volunteers with Climate Writers, advocating for stronger sustainability policies by writing climate letters to MPs. Heidi's commitment to sustainability is contributing to shaping the work done at Ventia, influencing public discourse, and driving positive change in government policy. Her legacy will undoubtedly continue to inspire and impact the industry for years to come.

## **Colleen McDonald** **Office of Major Transport Infrastructure Delivery (OMTID)**

Colleen McDonald is a dedicated sustainability leader who has significantly impacted the delivery of transport infrastructure in Western Australia. Since joining OMTID in 2020, she has driven sustainable practices, influenced policy, and mentored others. Her work has led to numerous achievements, including achieving IS Design ratings and implementing innovative procurement strategies. Colleen's commitment to genuine sustainability outcomes and her ability to collaborate with diverse stakeholders have made her a driving force for sustainability at OMTID and the broader industry.



## **Sasika Perera**

### **M80 Ring Road**

Sasika Perera is the Sustainability Engineering and Integration Advisor on the M80 Ring Road Completion, part of the highprofile North East Link project in Melbourne. A role model civil engineer, Sasika's contribution to project outcomes has been influential, extending well beyond sustainability targets to embrace procurement, supply chain innovation and industry research. Sasika's achievements include several Victoria and Australia-first innovations, such as the use of a glass fibre-reinforced bridge deck across the freeway and a recycled plastic solution to reduce concrete use. With her help, project compound works are 99% recycled content and will be above 35% for permanent works. Alliance Manager Steve Litterick says Sasika has been a sustainability stand-out from day one. 'She grabbed it [the role],' he says, 'and ran with it.' Sasika leaves a lasting legacy defined by groundbreaking positive change in sustainability that has built a foundation for major infrastructure projects of the future

## **Camila Fonseca Mazzo**

### **Laing O'Rourke**

Camila Fonseca Mazzo is Laing O'Rourke's Sustainability Lead on the METRONET Morley- Ellenbrook Line project in Western Australia. She has collaboratively facilitated sustainability initiatives that far exceeded contractual requirements, setting new benchmarks across the infrastructure sector. Camila's leadership has contributed to significant outcomes on the project, including the first Green Star certified Railway Stations in Western Australia and the first IS Gold design rating under v2.0 in Australia and New Zealand for a Railway project. She has also championed the use of FOGO as topsoil, recycled materials such as crushed recycled concrete and recycled asphalt pavement, and cement reduction across the project, significantly reducing its carbon footprint. Camila is equally dedicated to community engagement, supporting volunteering efforts and fostering a culture of inclusion. She actively mentors junior staff and shares her sustainability knowledge across the industry.

## **Award Partner**

# **Perspektiv**

Finding a Better Way

# *Enduring Impact Finalists*

## **Lachlan Walker** **McConnell Dowell**

Lachlan Walker is known for his relentless dedication to advocating for sustainability and fostering positive cultural change within the construction industry. His tenacity ensures that sustainability remains at the forefront of decision-making processes, even when faced with resistance or challenges. With a background in science and proficiency in data analytics, Lachlan actively champions sustainable practices and policies, using his influence and expertise to inspire others to prioritize environmental and social considerations.

He understands that achieving meaningful change requires persistence and a longterm commitment, and he is unwavering in his efforts to promote a more sustainable and responsible approach to construction. Through his advocacy, Lachlan aims to drive a cultural shift within the industry, encouraging a mindset that embraces sustainability as a core value.

## **Kat O'Mara** **Edith Cowan University and CmdrKat Consulting Pty Ltd**

Kat is one of Australia's leading strategic sustainability advisors having worked with governments and delivery partners to plan and deliver major infrastructure projects across Australia and NZ. As one of Australia's most experienced infrastructure sustainability professionals, Kat has been a member of the Infrastructure Sustainability Council's (ISC) independent third party verification panel since inception of the Infrastructure Sustainability Rating Scheme in 2012.

In addition to providing verification services, Kat also facilitates Accredited Professional training for the ISC. Her specialisation in infrastructure sustainability is built upon Kat's almost 30 years' experience across a diverse range of technical expertise in energy and resource efficiency, climate change adaptation, stakeholder engagement and communications.



**Cathy Chesson**  
**Mott MacDonald Australia Pty Ltd**

Cathy is an experienced sustainability consultant with over 20 years of expertise in sustainability and environmental impact assessment and management, primarily for transport infrastructure. Cathy's inspiring behaviour and attitude encourage those around her to adopt sustainable practices and her leadership fosters a culture of responsibility, guiding colleagues to follow her example. By mentoring the next generation, Cathy creates a ripple effect that will influence the industry for years. Her dedication to nurturing talent and continuous improvement actively shapes the leaders of tomorrow, ensuring her legacy continues for both people and projects. Renowned as a sustainability leader, Cathy is highly respected in the industry. She possesses an exceptional ability to identify and drive opportunities for advancing sustainability outcomes on infrastructure projects. Cathy is dedicated to sharing her knowledge and enthusiasm with her team and clients, fostering a culture of continuous improvement. legacy that has set our people on a sustainable path to embrace innovation.

**Award Partner**



# *Outstanding Achievement Award Finalists*

## **Preston Level Crossing Removal Project Level Crossing Removal Project**

The Preston Level Crossing Removal Project, completed in 2022 by North Western Program Alliance (NWP), exemplifies outstanding excellence in sustainable infrastructure. This complex rail project removed four level crossings, constructed two kilometres of elevated rail viaduct, two new stations and precincts, and extensive open spaces, converting a brownfield rail line into a green corridor for the community.

NWP's governance framework embedded sustainability early resulting in innovative engineering and community engagement solutions including:

- Radiant Heat Curing (Australian first)
  - Single-Line Running (Victorian first)
  - Indigenous engagement and design
  - Local community developed solutions
- Quantifiable sustainability outcomes include a 47% reduction in energy emissions, 24% reduction in materials emissions, and a 105% increase in ecological value. The Project created 60,000m<sup>2</sup> of new public space and invested \$1.28 million into 22 social enterprises and 25 indigenous owned businesses.

Focused on community engagement, innovative design and environmental stewardship, Preston set a benchmark for sustainable rail infrastructure.

## **South Australia Road Network Maintenance Downer EDI Works Pty Ltd**

Downer EDI Works Pty Ltd (Downer) is responsible for maintaining both the Metro and Northern zones of the South Australian Road Network. In the undertaking of these works, Downer consistently prioritises resource efficiency, waste reduction, and delivering innovative sustainable solutions for South Australian road users. Through the implementation of initiatives that exceed industry norms and by strengthening sustainability capabilities across our supply chain, Downer aims to improve environmental performance while upholding and monitoring our sustainability standards across the Road Network.

In partnership with the Department for Infrastructure and Transport (DIT), Downer has successfully carried out road maintenance activities while reducing disruptions to its users. This has been achieved by using products with lower embodied carbon, diverting substantial amounts of waste from landfill, and supporting local businesses and communities. With several years remaining on these contracts, Downer is committed to further demonstrating our sustainability efforts to South Australian road users.



## **Morley-Ellenbrook Line**

### **MELConnx Alliance (Public Transport Authority and Laing O'Rourke)**

The METRONET Morley-to-Ellenbrook Line is a new 21-kilometer rail line connecting Bayswater and Ellenbrook, inclusive of five new train stations, integrated parking and bus facilities. Delivered by the MELconnx Alliance, consisting of the Public Transport Authority and Laing O'Rourke, the project also features significant infrastructure elements such as road-over-rail bridges, two elevated viaducts, Bennett Brook Bridge, and rail tunnel portals—highlighting its scale and complexity.

The project has achieved several significant sustainability accomplishments, including but not limited to:

- Exceeding all contractual targets for lifecycle carbon reductions, water and energy use.
- Implementing legacy sustainability initiatives, such as installation of 500kW of solar-PV, 50 Electric-vehicle chargers, significant cultural input into placemaking, and
- Pioneering the use of significant quantities of recycled materials, and
- Achieving the highest scored Green Star railway stations in Australia.

MELconnx have set a new standard in sustainable infrastructure delivery, breaking down barriers for future projects through generous knowledge-sharing.

## **Eastlink WA Program Rating**

### **EastLink WA IPT (Main Roads WA, BG&E, GHD)**

EastLink WA is one of Western Australia's largest planning and development projects, bringing together over 40 years of planning activities to create a safer and more efficient route between Perth and Northam. Extensive planning and development over two-and-half-years by the EastLink WA Integrated Project Team (IPT) has established a long-term design concept that caters to forecasted population growth and traffic volumes until 2051.

Eastlink WA achieved a 'Silver' rating, exemplifying the enhanced social, environmental and sustainability outcomes achieved by the IPT's approach to planning and development. EastLink WA pioneered a Program approach to the IS Planning rating - focusing on long-term outcomes across five sustainability focus areas which embed sustainability throughout the project lifecycle.

The Program approach has delivered measurable benefits which showcase Main Roads WA's commitment to sustainable infrastructure and provides a model now being used as a benchmark for one of Western Australia's most significant infrastructure projects - Westport.

## **Union Road and Mont Albert Road Level Crossing Removal Project**

### **South Eastern Program Alliance**

The Union Road and Mont Albert Road Level Crossing Removal Project embedded a sustainability-first approach from the onset by integrating sustainability into design, procurement and delivery and empowering everyone on the project to achieve unprecedented improvements in sustainability infrastructure through education and training. The project achieved an As-Built Infrastructure Sustainability Council score of 101 and a 6 Star Green Star Rating for Union station. This achievement reflects the project's commitment to sustainability from the outset with governance and leadership two key focus areas that helped guide the project's success.

The decision to consolidate the existing stations into a single facility achieved significant efficiencies by avoiding the construction of an additional station building. This also enabled the creation of more community spaces to enhance local economic activity. Engaging local traders and implementing a loyalty program supported local businesses during and after construction also promoted ongoing economic activity within the community.

## **Sydney Metro City & SW Line-wide Works**

### **Systems Connect (CPB & UGL CJV)**

Sydney Metro City & Southwest (SMCSW) is a key component of Sydney Metro, Australia's biggest transport project. The extensive Line-wide Works package delivered by Systems Connect, a joint venture of CPB Contractors and UGL Limited, included installation of 31 km of underground railway track, power equipment, cabling, ventilation, drainage and monitoring equipment, as well as constructing and expanding train stabling and maintenance facilities and fitting out substations in train stations.

Outstanding collaboration with Sydney Metro and 28 delivery partners enabled a culture of innovation and delivery excellence and sustainable outcome. The team overcame challenges and developed innovative program and methodology solutions for a safe, sustainable, on-time delivery. Innovations and leading practices – including low-carbon concrete and synthetic fibre reinforcements, geopolymer sleepers, recycled crushed glass, circular solutions for reuse of water, sustainable procurement, and social sustainability initiatives – set new industry benchmarks for delivering sustainable future-ready metro rail projects.





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