



THE INFRASTRUCTURE SUSTAINABILITY COUNCIL

# Annual Awards

Application Guidebook

Awards Partner



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# About the VSC Awards

The 2023 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.

Submit your entry and join other industry trailblazers in demonstrating how you are delivering the outcomes and transformations needed to shape lives positively through infrastructure and build a world class sustainable industry to meet the formidable challenges and opportunities of this decade.

All you need to know to enter the Awards including categories, awards and their descriptions, application questions, terms and conditions and FAQ's can be found in this guidebook.

Applications close at 5pm (AEST) on Monday, 17 July 2023.



# Award Categories

There are a total of nine awards in four categories.

## *Industry Impact*

For organisations which have deployed the IS Rating Scheme to make an outstanding contribution resulting in positive sustainability impacts at an organisational, system and/or sector-wide level.

- Private sector
- Public sector

## *Individual contribution to a sustainable future*

For individuals contributing to a world-class, sustainable infrastructure industry. Outstanding contribution will be assessed on value to stakeholders; collaboration and sponsorship, and capability building.

- Emerging Leader
- Enduring Impact

## *Sustainability Leadership*

For excellence in sustainability practices in infrastructure, with a focus on the delivery of impact and outcomes through an initiative, innovation or approach in an IS Rating.

- Excellence in Governance Outcomes
- Excellence in Social Outcomes
- Excellence in Environmental Outcomes
- Excellence in Economic Outcomes

## *Outstanding Achievement*

The 10 highest scoring projects across all versions and tools of the IS Rating Scheme will be invited to apply for the Outstanding Achievement award. The judging panel will make the final decision.

- Outstanding Achievement – IS Rating Scheme

# Award Descriptions

## Industry Impact

*For outstanding organisational contribution to delivering change*

### Award Descriptions

#### Private sector

Demonstrate industry impact toward low carbon, resilient and/or inclusive infrastructure through:

1. Organisational change at strategy or operational level, and/or
2. systemic change by contributing to policy, standards or specifications that mobilise industry leaders, and/or
3. growing sector social licence by building public awareness of the benefits of infrastructure sustainability.

#### Public sector

Demonstrate industry impact toward low carbon, resilient and/or inclusive infrastructure by:

1. Organisational change at strategy or operational level, and/or
2. systemic change through developing policy, standards or specifications that mobilise industry leaders, and/or
3. growing sector social licence sponsorships and building public awareness of the benefits of infrastructure sustainability.

### Eligibility Criteria

The organisation or legal entity applying for an award must be a current member of Infrastructure Sustainability Council. This award is only available for entrants to enter on behalf of an organisation, rather than on behalf of a project.

Entrants at time of application through to the completion of the Awards process, must provide full disclosure of any fines or prosecutions in the last three years. It will be at the Infrastructure Sustainability Council's complete discretion to determine whether the application can be accepted based on the disclosure information provided.

The innovative strategy, process, method or technology with the outcomes achieved between 1 July 2022 and 30 June 2023.

## Application Questions

### Submission Question

### Word limit

### Weighting

Describe **WHAT** you have done and **HOW** you have done it.

500 words

15%

What were the **OUTCOMES** and how were those outcomes shared?

700 words

35%

Describe **WHO** benefited from your initiative, innovation, or approach?

400 words

20%

What **LEGACY** and **UN SDG CONTRIBUTION** was achieved?

600 words

30%



# *Individual contribution to a sustainable future*

## **Award Descriptions**

### **Emerging Leader**

For emerging sustainability professionals (under 35 years of age) contributing to the creation of a world class, sustainable infrastructure industry. This includes a healthy, inclusive workforce, a responsible agile supply chain and sustainability-aligned investment and governance. Entrants should demonstrate how they are:

- delivering value to stakeholders, and/or
- working in collaboration and sponsorship, and/or
- building capability in others

### **Enduring impact**

This award seeks to recognise individuals who have a sustained contribution throughout their career to shape an enduring impact or legacy.

Entrants should demonstrate a strong contribution to the creation of a world class, sustainable infrastructure industry. This includes a healthy, inclusive workforce, a responsible agile supply chain and sustainability-aligned investment and governance. Entrants should demonstrate how they are:

- delivering value to stakeholders, and/or
- working in collaboration and sponsorship, and/or
- building capability in others

## **Eligibility Criteria**

To enter the Emerging Leader award the entrant must be a current Infrastructure Sustainability Accredited Professional (ISAP).

Entrants must provide full disclosure of any fines or prosecutions in the last three years. It will be at the Infrastructure Sustainability Council's complete discretion to determine whether the application can be accepted based on the disclosure information provided.

To be eligible, entrants must predominantly reside in either Australia or New Zealand.

## Application Questions

### Submission Question

### Word limit

### Weighting

Describe **WHAT** sets the individual apart.

400 words

20%

**HOW** has this individual influenced positive change?

400 words

20%

Describe the **OUTCOMES** this individual has contributed to.

700 words

35%

How enduring is this person's **LEGACY**?

500 words

25%





# Sustainability Leadership & Outstanding Achievement

## Award Descriptions

### Excellence in Governance Outcomes

For organisations who can demonstrate how project governance processes (sustainability strategy, risk and opportunity management, sustainable procurement, integrated decision-making) have delivered outstanding sustainability outcomes across priority issues. External stakeholders' involvement in governance aspects should be highlighted.

### Excellence in Social Outcomes

Entrants should demonstrate beneficial, measurable, and enduring outcomes for people achieved by the initiative, innovation or approach – whether that be the local community, specific stakeholder groups, indigenous peoples or the project workforce. Sponsorships with others to achieve these outcomes should be highlighted.

### Excellence in Environmental Outcomes

Entrants should demonstrate beneficial, measurable, and enduring outcomes for the natural environment achieved by the initiative, innovation or approach – whether driving towards net zero, achieving circular economy outcomes or enhancing ecological values. Sponsorships with others and external stakeholder involvement to achieve these outcomes should be highlighted.

### Excellence in Economic Outcomes

Entrants should demonstrate beneficial, measurable, and enduring economic outcomes achieved by the initiative, innovation, or approach – through including broader sustainability factors (e.g., the social cost of carbon) in project decisions, enhancing the local business economy, building workforce capability, or driving long term benefits realisation. Sponsorships with others and stakeholder involvement to achieve these outcomes should be highlighted.

## Outstanding Achievement - IS Rating Scheme (By invitation only)

Only 10 projects will be invited to apply for this particular award based on achieving the highest rating scores between the period of 1 July 2022 and 30 June 2023. This award will be determined by the judging panel and awarded to the project team who has achieved outstanding sustainability outcomes for people, the planet and the economy and across the quadruple bottom line.

## Eligibility Criteria

The initiative, innovation, or approach must have been implemented in a project that is registered for or has achieved an Infrastructure Sustainability Council Rating (IS Rating).

All organisations applying for an award must be a current member of Infrastructure Sustainability Council.

Entrants must provide full disclosure of any fines or prosecutions in the last three years, not limited to the project your submission applies to. It will be at the Infrastructure Sustainability Council's complete discretion to determine whether the application can be accepted based on the disclosure information provided.

The outcomes must have been achieved between 1 July 2022 and 30 June 2023.

## Application Questions

### Submission Question

Describe **WHAT** you have done and **HOW** you have done it. Please provide a summary of your initiative, innovation, or approach.

### Word limit

500 words

### Weighting

15%

What were the **OUTCOMES** and how were those outcomes shared?

700 words

35%

Describe **WHO** benefited from your initiative, innovation, or approach

400 words

20%

What **LEGACY** and **UN SDG CONTRIBUTION** was achieved?

600 words

30%



# Submission Requirements

Submissions must be made through the Infrastructure Sustainability Council awards application portal.

All submissions must meet the strict word limits, or risk disqualification. Entries received over the limit will be automatically disqualified. This will be strictly adhered to.

Each award has four application questions. The questions have differing word limits and weightings. Entrants are encouraged to consider the weightings when submitting answers. Higher word limits carry higher weightings for the scores and where judges are looking for the greatest impact.

## **Images**

Applications must include a minimum of three and a maximum of six high quality supporting images. All images will be viewed by the judges and may be used for PR/marketing purposes. At least three images must be photographs devoid of logos or marketing collateral. Additional images may include graphs, maps, drawings, or material to support your application. Supporting images may not contain text apart from a heading or label.

The size limit for each image is 5MB with only .png and .jpeg formats accepted.

## **Videos**

A short video of up to two-minutes is required to support your entry. Videos will be viewed by the judges and may be used for promotional purposes. Videos should be stored on either YouTube or Vimeo and a URL provided.

## **PR Summaries**

A summary of 150 words is to be uploaded as a separate file in the awards portal. This summary will not be assessed but will be used for promotional purposes across various platforms.

This summary should briefly describe your initiative, innovation or approach, illustrate its impact and clearly demonstrate why it is unique and/or how it has impacted the sector.

# Application Process

Submit your application before the deadline of Monday, 17 July 2023. Requests for extensions beyond this deadline will not be considered.

All entries assessed for eligibility and completion. Disqualified entries will be notified accordingly.

Shortlisted finalists advised by Monday, 28 August 2023.

External announcement of shortlisted entries on Wednesday, 30 August 2023.

Judges complete three rounds of judging overseen by Award Partner, PwC.

Winners announced at Gala Dinner and Awards Night on Thursday, 7 September 2023.

Media release sent on Thursday, 21 September 2023

Judges feedback sent to entrants on Wednesday, 27 September 2023

Ongoing social media and marketing

# Obligations of Finalists

A representative from each winning award will be required to make a short acceptance speech at the Gala Dinner and Awards Night. Acceptance speeches should be no longer than 2 minutes (250 words).

A representative from each winning award will be required to work with the ISC to promote their success in 2023 and beyond.

Entrants give consent for the entry summaries and any collateral provided to be used to promote finalists, winners and the ISC Awards through multiple channels.

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# Terms and Conditions

The judging panel's decisions are final.

The Infrastructure Sustainability Council accepts no responsibility for entries that are not received, delayed, incomplete or are lost due to a technical problem.

The Infrastructure Sustainability Council reserves the right to withdraw a category and cancel the award if an insufficient number of entries has been received, the quality of entries does not meet the criteria, or the entries are deemed inappropriate for any reason.

The Infrastructure Sustainability Council shall be entitled to use all public relations material supplied as part of the Entry (including, but not limited to, images, video recordings, written content and any other supporting documentation submitted as part of the Entry) as necessary in any media and in any form to promote Entries.

Entries remain the property of the Infrastructure Sustainability Council and are not returned.



# FAQ's

## **Do I/we need to be a member to apply for an ISC Award?**

Entrants in the **Sustainability Leadership** and **Industry Impact** categories must be current ISC members. Entrants in the **Emerging Leader** awards must be current Infrastructure Sustainability Accredited Professionals (ISAP's). Entrants in the **Enduring Impact** award do not need to be current members or ISAP's.

## **Does my/our application need to have undertaken an IS rating?**

Yes. Entries for an initiative, innovation or approach in the **Sustainability Leadership** category must have been implemented in a project that is registered for or has achieved an IS rating.

Please see the eligibility criteria for each award regarding the applicable date range.

## **Can I/we enter more than one award?**

Yes. Each entry is judged as a stand-alone application and each entry must fulfill the entry requirements of the chosen award.

## **I/we have won an award previously. Can we enter again?**

Yes. Please see the eligibility criteria regarding applicable date range.

## **What name should I/we enter under?**

The Entry name is the name you would like your entry referred to. It might be the name of a project, an initiative, program of work, similar. This name will appear on the award for winning entries.

## **What is the Entry / Project organisation?**

This is the name of the organisation(s) representing the entry / project above. It might be a single organisation or JV, Alliance, PPP or similar. This name will also appear on the award for winning entries. It is the responsibility of the key contact to ensure all parties are informed of the entry in the case of a JV, Alliance, PPP or similar.

## **Who will ISC communicate with regarding my/our entry?**

The ISC will only communicate with the person submitting the entry – the Key Contact.

## **Do I/we need to complete my application in full or can I come back and add more information later?**

You can partially submit your application and come back at any time before the closing date to complete your entry.

## **What happens if I/we don't submit everything on time or if my application isn't complete?**

Applications close at 5pm (AEST) on Monday, 17 July 2023. Any late entrants and applications missing information, over the word count or that don't meet the submission criteria will be automatically disqualified.

## **How much does it cost to enter the awards?**

There is no application fees.

## **Who are the judges for my/our category/award?**

The judges of each category/award will be released after the awards close.

## **What is the closing date?**

Applications close at 5pm (AEST) on Monday, 17 July 2023.

### **Do I/we need to be present at the Gala Dinner and Awards Night to receive the award if I win?**

It is highly recommended that all shortlisted entries have a representative attend the Gala Dinner and Awards Night to accept the award should they win.

### **Where do I/we purchase tickets for the Gala Dinner and Awards Night?**

Head to the ISC website ([www.iscouncil.org](http://www.iscouncil.org)) where you will be directed to the Connect Conference site where you can purchase tickets to the conference and/or dinner and book a table of 10 for your whole team. This Conference site will be open for registrations in early May 2023

### **Will winners be notified in advance?**

No. Winners will be announced on the night.

### **Do you accommodate special requirements at the Gala Dinner and Awards Night?**

Absolutely! If you have any special access, dietary or other requirements, please let us know during the registration process and we will do our best to accommodate your needs.

### **How do I/we enter?**

Head to the ISC website, look for the Awards tab and you'll find a link to the application portal there.

### **I have more questions or need more information. Who can I talk to?**

If your questions haven't been answered in this guidebook or on our website, feel free to get in touch with us at [events@iscouncil.org](mailto:events@iscouncil.org)



# Meet the 2022 Winners

*Excellence in  
Governance Outcomes*

**Sydenham Metro upgrade**

John Holland Laing  
O'Rourke Joint Venture

**Infrastructure  
Sustainability  
Council**

*"Project leaders designed a robust governance structure that was present and pragmatic at all levels. Rather than being a top-heavy management function, it flowed throughout all teams, from executives to subcontractors."*

## Excellence in Governance Outcomes

### John Holland & Laing O'Rourke Joint Venture - Project: Sydenham Metro Upgrade

Right from the initial planning stages of the Sydenham (Melbourne) Metro Upgrade, the project was underpinned by a comprehensive and robust Sustainability Strategy. This was a deliberate and carefully considered part of John Holland and Laing O'Rourke's joint venture master plan to mitigate risk and provide a full-bodied governance structure that was present and pragmatic at all levels of the project.

#### Sustainability Strategy Objectives:

- To identify governing objectives and targets.
- To integrate these objectives and targets into the project's deed, policies, management plans, sub plans and all subsequent processes, procedures, templates and trackers.
- To overcome issues caused by interfacing between multiple participants (stakeholders such as Sydney Water, Sydney Trains, ARTC, Sydney Metro, Transport for NSW, Inner West Council; multidisciplinary design and site teams; and suppliers and contractors) with different priorities.
- To create a working environment where the strategy objectives flowed throughout all the teams involved, so that all individuals and stakeholders were empowered to find ways to work better.

#### Sustainability Strategy Outcomes:

- The saving of over 15,420 tonnes of aggregates, over 1140 tonnes of asphalt, over 4,480m<sup>3</sup> of poured concrete and over 784 tonnes of steel reinforcement.
- A massive reduction in waste, compared to past projects.
- More than a 3,460-tonne reduction in carbon emissions.

The project's legacy is not just about environmental sustainability. It's also about the influence of a governance structure that doesn't just give permission to question the status quo, but actively encourages that questioning.



# Excellence in Economic Outcomes

## M4-M5 Link Tunnels

Acciona Samsung  
Bouygues Joint Venture



*"The final mix design has achieved the required target structural performance, reduced shotcrete consumption by 15% and 33,000t CO<sub>2</sub>-e of embodied carbon, new offerings of shotcrete within the industry, and pathways for future collaboration within this field, cost savings, and reduced vehicles on Sydney roads. The legacy of this high-performance shotcrete will be business as usual for future road tunnel projects"*

## Excellence in Economic Outcomes

### Acciona Samsung Bouygues Joint Venture - Project: M4-M5 Link Tunnels

After extensive research and development with the supply chain that took more than a year, the Acciona Samsung Bouygues Joint Venture developed a world first shotcrete application process for the lining of the M4-M5 Link Tunnels in Sydney. This process included creating an innovative shotcrete design mix as well as improving techniques to apply shotcrete to the tunnel walls in order to reduce rebounding.

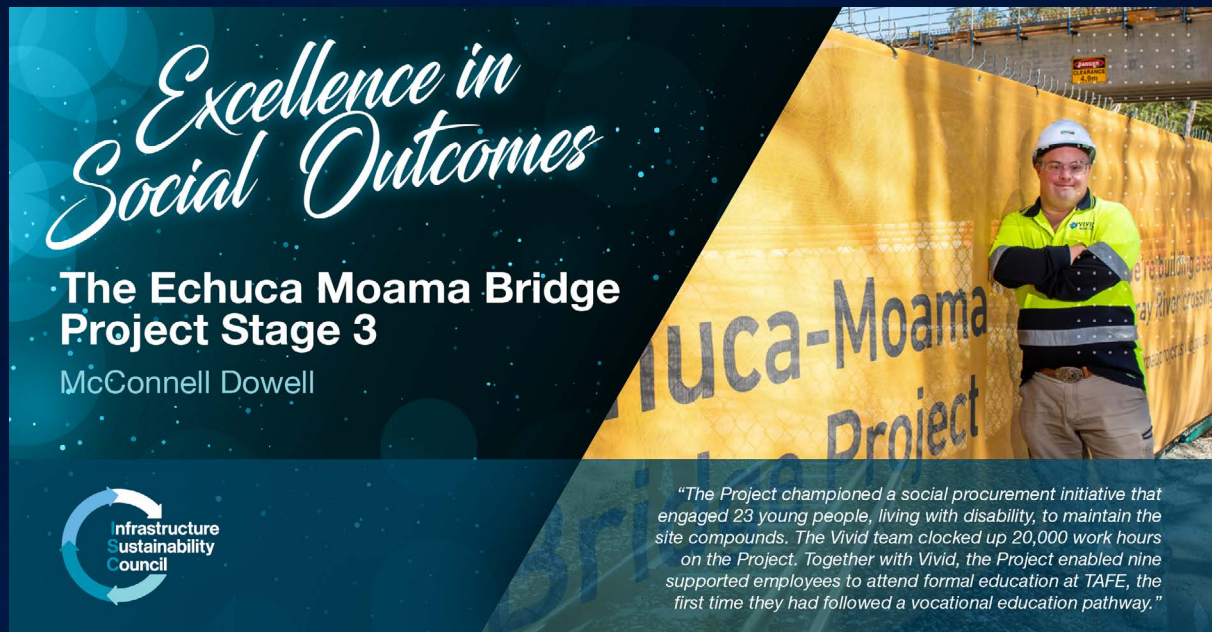
#### Tunnel Lining Objectives

- To develop a new offering for this and future projects that use shotcrete for tunnel lining. Future tunnel projects will be able to capitalise on the sustainability benefits of a proven high-performance shotcrete and incorporate it into their own tunnel design.
- To provide pathways for future collaboration with stakeholders (supply chain, designers, construction team and independent certifiers) to conduct research and development, to show proof of concepts, and to address engineering challenges with substantial sustainability benefits on upcoming infrastructure projects.

#### Tunnel Lining Outcomes

- A reduction of more than 33,000 (t CO<sub>2</sub>-e) of embodied carbon. This in turn has reduced the amount of shotcrete used on the project by 27,000m<sup>3</sup> (15%) and reinforced steel fibres by 830 tonnes (10%).
- The removal of 9,000 heavy vehicle movements off Sydney local and main roads.
- Demonstrated cost savings of \$11,000,000 to the project by minimising materials through the application of innovative high-performance shotcrete.
- A permanent shift in the supply chain for how future tunnel projects will be designed and constructed.

The legacy of the high-performance shotcrete used for the lining of the M4-M5 Link Tunnels is a design mix that has allowed the M4-M5 Link Tunnels project to reduce the thickness of the lining of the tunnels by 15%. It is expected that this design mix will be business as usual for future road tunnel projects that require shotcrete for tunnel linings.



## Excellence in Social Outcomes

### McConnell Dowell - Project: The Echuca-Moama Bridge Project Stage 3

During Stage 3 of the \$323.7m Echuca-Moama Bridge Project, Major Road Projects Victoria and its construction sponsor, McConnell Dowell, teamed up with local disability support service provider Vivid. This sponsorship gave 23 young adults, living with disability, an opportunity to be part of a dynamic and inclusive workplace. They were tasked with cleaning and maintenance roles at the project site offices in both Victoria and New South Wales.

#### Disability Employee Objectives

- To provide young local people with paid and meaningful employment in a supported environment.
- To generate significant Aboriginal employment outcomes and exceed the Aboriginal employment target.
- To support Aboriginal owned businesses by spending a significant percentage of the total contract value with those businesses.

#### Disability Employee Outcomes

- By the Project's completion in early 2022, the Vivid supported employees had collectively contributed around 20,000 work hours to the Project, an experience that has substantially improved their access to a myriad of work tasks and boosted their levels of self-confidence and interpersonal skills.
- Nine of the supported employees seized the opportunity offered by the Project to further expand their skills by undertaking and completing a Certificate II in Cleaning Operations at Bendigo TAFE's Echuca campus.
- Of the nine Vivid graduates, four are now in mainstream permanent part-time employment, and one has applied for open employment through a traineeship.

Due to the increased income generated by the Project's procurement contract to fill cleaning and maintenance roles, Vivid has been able to upgrade areas of its business that do not attract direct funding. This has improved its ability to support the employment pathways of local people living with a disability.

# Excellence in Environmental Outcomes

## Sydenham Metro upgrade

John Holland Laing  
O'Rourke Joint Venture



*"A reduction in width of the aqueduct, the first to be built in Australia in 130 years, leading to significant reductions in materials required not just for the aqueduct but also the access ramps, culverts, transition chambers and substructures. All of this, and other optimisation of the design, led to a total saving of 7,500 tonnes of CO2e."*

## Excellence in Environmental Outcomes

### John Holland & Laing O'Rourke Joint Venture - Project: Sydenham Metro Upgrade

During the Sydenham Metro Upgrade, the joint venture team of John Holland and Laing O'Rourke closely collaborated with stakeholders on a sustainability-centred design approach. The value of this approach was demonstrated when design adjustments were made that led to excellent environmental, societal and economic outcomes.

#### Sustainability-centred Design Objectives

- To conduct analyses of drainage models and patterns in order to discover how the model might be effectively revised.
- To downsize parts of the infrastructure and reduce material usage by changing the original design of the aqueduct from four cells wide to three cells wide.
- To preserve and upgrade, rather than replace, a Heritage listed pumphouse.

#### Sustainability-centred Design Outcomes

- The reduction in width of the aqueduct led not only to significant reductions in materials for the aqueduct, but also for the access ramps, culverts, transition chambers and substructures.
- The transitions from the culvert to the aqueduct were reduced in size from 18 metres in width to 13.2 metres.
- The transitions chamber was originally one large structure, but was optimised to become two smaller structures that attached to each culvert.
- Instead of having three larger diameter pipes, the opportunity was identified to instead utilise four smaller diameter pipes in the middle section of the aqueduct and three smaller diameter pipes at either end.
- There was a total saving of 7,500 TCO2e and a total material lifecycle reduction of 40%. There were considerable savings in construction costs and demolition waste and energy reductions, due to less materials and equipment required for construction.

The most powerful legacy of the project was the recognition of the necessity and value of thought leadership from those within the construction and engineering space. Designing with sustainability as the core focus empowers experienced minds in the industry to challenge the status quo.

Without input from the project team, and without the vital analyses of flow rates, ground conditions, and drainage models, the original design would have been accepted and all opportunity for economic, material, societal and environmental savings would have been lost.



*Individual contribution  
to a sustainable future:*

## **Emerging Leader**

Sam Donaldson



*"He has developed sustainability programs for the organisation's leaders, built a 33-strong team of sustainability professionals, empowered the business's sustainability culture, shaped a decision-making framework to ensure consistency and ethics across the organisation, and much more."*

## **Individual Contribution to a Sustainable Future**

### **Emerging Leader – Sam Donaldson**

Sam Donaldson has been motivated to make sustainability in construction a reality throughout his entire career. An important milestone for Sam was his appointment to his current position as Hub Sustainability Leader at Laing O'Rourke. He had a vital role in the development of their Global Sustainability Strategy – to ensure the unique factors associated with operating in Australia were considered and prioritised. This strategy has not only caused a cultural shift within the organisation, but also in the construction sector more broadly.

With regard to IS ratings, Sam has achieved some of the highest results for complex major infrastructure projects and has received multiple IS awards for delivering positive organisational change and exemplar outcomes. He has also put a decision-making framework in place to ensure consistency and ethics across the organisation, including the rejection of projects considered unacceptable in terms of future emissions, such as thermal coal projects.

As an ambassador to the organisation's STEM+ program, he helped design and deliver a sustainability module. From the Laing O'Rourke Graduate Development Program, he created a dedicated rotation of young professionals into sustainability roles. And for the organisation's leaders, he helped design, with Cambridge University, a key strategic leadership program around maximising innovation and value creation through sustainable solutions.


On a personal note, Sam's home town of Ocean Shores on the NSW North Coast was significantly impacted by the 2021 floods. Houses and infrastructure were damaged. Families and friends were displaced. These events strengthened Sam's commitment to effect change.

'It made me realise that time is not on our side. We are seeing a different world in recent times. It's only going to get worse unless we all pick up the pace and inspire more of our people, and more of our industry, towards sustainability in construction.'

*Individual contribution  
to a sustainable future:*

## **Enduring Impact**

Andrew Ackerman



*“In the next 10 to 20 years of my working life, I’d love to think that I was the one that contributed to making a difference across how we’re going to work, improving how we deliver for tomorrow.”*

### **Outstanding Contribution to the Sector**

#### **Enduring Impact - Andrew Ackerman**

Andrew Ackerman, the Alliance General Manager of the South Eastern Program Alliance (SEPA), has long been a sustainability champion in the construction industry.

For Andrew, having sustainability as a core focus has been at the forefront of what he has been doing for over two decades. But for change to occur, people need to feel safe to suggest, experiment with and create change. Not only has Andrew crafted an environment in which project teams feel safe to discuss sustainability innovations, he has insisted on it.

Andrew's work and influence have contributed to many and varied improvements in construction, design, team culture and performance, and in sustainable materials, construction practices and solutions. They range from small details to major, industry-wide shifts.

Not only has Andrew been leading the way in making construction and engineering more sustainable from an emissions standpoint, he is also a passionate believer in advancing the full spectrum of sustainability, including diversity, inclusion, safety and wellbeing. He has recently focused on ensuring construction project staff have a five-day working week for better work/life balance, more positive mental health results, better site safety and stronger talent attraction. Andrew hopes his legacy is ensuring we future proof our business and our industry.

People in construction often ask Andrew where they should start when it comes to sustainability.

‘You start with the things you can do differently right now. The starting point for us in our SEPA sustainability strategy was thinking about the things that we could influence from day one. That was very much about our site establishment and making a commitment to net-zero site emissions for all our new sites across SEPA.’



## Industry Impact

### Private Sector, Small - Earth Friendly Concrete Pty Ltd – Wagners

Through its ultra-low carbon technology, Wagners has developed and branded Earth Friendly Concrete® (EFC). This enables concrete producers to eliminate cement from concrete, thereby reducing the carbon footprint in the built environment.

#### Earth Friendly Concrete Objectives

- To align with United Nations Sustainability Goals (currently 9 in total).
- To support the circular economy.
- To disrupt current old-world standards and specifications.
- To encourage cement producers to combine Wagners proprietary EFC Activator Solution and admixtures with materials from their existing suppliers of aggregates and SCM's.

#### Earth Friendly Concrete Outcomes

- Through a range of strategies, Wagners has reduced the embodied carbon of Earth Friendly Concrete from an average 120kg of CO<sub>2</sub>/m<sup>3</sup> to an average 90kg of CO<sub>2</sub>/m<sup>3</sup>, without the need for any offsets.
- During the last 18 months, Wagners eliminated 1,481.6t of CO<sub>2</sub> and 2,043.6t of virgin raw materials from innovative infrastructure projects.

EFC is the lowest embodied carbon concrete available on the market, and is now being used on a range of infrastructure projects. When used at scale, it makes a significant dent in man-made carbon emissions.

# Industry Impact

## Private Sector - Large

ACCIONA



CLEAN ENERGY, STRONGER REGIONS.

*"ACCIONA actions are industry leading and setting precedence in the private sector. Carbon Neutral since 2016, ACCIONA continues to reduce absolute emissions as guided by Science-based Targets with a commitment to Net Zero by 2040. Inspired by transformative leadership, ACCIONA empowers its people to focus effort on innovating towards regenerative outcomes aligned to the UN Sustainable Development Goals."*

## Industry Impact

### Private Sector, Large - ACCIONA

As a sustainable solutions business, Acciona recognises that the impact of climate change is endangering every facet of the natural and physical world. Acciona asserts that changing course in order to realise a sustainable, liveable future for all requires an immediate, ambitious and concerted effort, and Acciona's Sustainability Master Plan (SMP) 2025 is its contribution to that effort.

#### Sustainability Master Plan 2025 Objectives

- To accelerate the response to the climate change emergency.
- To provide a roadmap to moving beyond a sustainably responsible and resilient business to a business which embraces and promotes our Regenerative Vision and transition towards a decarbonised economy.
- To pursue 100% renewable electricity on new tenders from July 2022.
- To continue to be carbon neutral (Acciona is the only construction company in the sector to be carbon neutral, and has been globally since 2016).

#### Sustainability Master Plan 2025 Outcomes

- Recognised as a sustainability leader by the world's top sustainability indexes and rating schemes.
- An active and engaged employee base, with sustainability advocates now embedded across multiple reporting roles within the business.
- Secured €3.3 billion in sustainable financing, driving business and project sustainability performance.
- Acciona's dedicated Decarbonisation Fund supports and fosters innovation, leading to low-carbon solutions.

Acciona is contributing positively to the climate emergency and a sustainable future for all through its approach to decarbonisation. Its approach, driven by the SMP2025, is inspiring other companies to follow its lead.



## Industry Impact

### Public Sector - Main Roads Western Australia

Main Roads Western Australia has made a strong contribution to circular economy industry impact by delivering infrastructure projects that are promoting social and organisational change at a strategic level.

#### Circular Economy Objectives

- To facilitate systemic change through policies and standards.
- To increase Aboriginal engagement and participation by awarding \$700 million worth of contracts and 3.5 million work hours to Aboriginal businesses and people over the next five years.

#### Circular Economy Outcomes

- Over the past 12 months, Main Roads Western Australia spent \$97.9million on Aboriginal businesses, equating to 586,700 work hours; and
- The use of crushed recycled concrete was increased to over 117,000 tonnes.

Main Roads Western Australia is committed to contributing to the circular economy in WA, including doubling the broader ongoing use of Roads to Reuse Crushed Recycled Concrete to beyond 200,000 tonnes, and continuing to drive the use of locally produced crumb rubber.



