

MINING DECARBONISATION SUMMIT 2025

25-27 November | Brisbane | Australia

SOLUTIONS TO
LOWER EMISSIONS
& IMPROVE ENERGY
EFFICIENCY IN
MINING
OPERATIONS

Speakers include:



Mahdi Mason
Head of Sustainability
Sojitz Blue



Zoe Whitton
Non-Executive Director
Net Zero Economy Authority
& **Investor Group on Climate Change**
Managing Director
Head of Strategy & Impact
Pollination



Michael Williams
Sustainability
Superintendent
Bellevue Gold



Ildiké Piercy
Senior Manager
Environment, Cultural
Heritage and Social
Performance
Peabody Energy



Steve Jukes
Global Head of Mining
Turner & Townsend JukesTodd



Jessica Dwyer
Director, Low Carbon APAC
Worley



Yonggang Jin
Team Leader Environment
and Sustainability
CSIRO



Kellie Charlesworth
Energy Transition Leader
Arup



Hannah Gardiner
Assistant Director -
Renewables Policy
**Queensland Renewable
Energy Council**



Jenny Agnew
Business Sustainability
Manager
Sedgman



Mark Couchman
Domestic Sector Lead
Export Finance



Dani Siew
Senior Manager - Corporate
Engagement
Investor Group on Climate Change



Tom Measham
Research Director
CRC TiME



Akaash Sachdeva
Manager Responsible
Investment
HESTA



Michelle Gane
Energy Transition Services
Discipline Leader
Engeny



**REGISTER
TODAY!**

☎ +61 (0)2 9977 0565 ✉ info@questevents.com.au 🌐 www.miningdecarbonisationsummit.com.au
Register on or before 17 October and save up to \$500! Book as a group and save up to 25%!

Supporting Partner:

Education Partner:

Organised by:



Welcome to the **Mining Decarbonisation Summit** 2025!

The **Mining Decarbonisation Summit 2025** is a focused, solution-driven event designed for operational and leadership teams leading the transition toward lower emissions and smarter energy use in mining operations.

Built for operational, environmental, energy, and technology leaders, the summit explores how mining organisations can achieve, not just set, emissions reduction goals right now. You'll learn what's working, what's scalable, and what's still evolving.

With a strong emphasis on practical, proven levers like site electrification, microgrids, methane management, hydrogen, scope 1–3 reporting, and supply chain management, the event offers practical insights that can be applied immediately to drive commercially viable and operationally feasible decarbonisation.

KEY THEMES



Financing
& scaling
commercially
viable
decarbonisation



Leveraging
renewable energy
and battery
storage



Utilising
emerging
technologies
for next-gen
decarbonisation



Scope 3 and
supply chain
management



Decarbonising
fleets, facilities &
infrastructure



Methane
abatement
and emissions
reporting



Building a future-
ready workforce



Decarbonisation
pathways
& emerging
frontiers

WHY YOU NEED TO BE AT THE MINING DECARBONISATION SUMMIT 2025

1

Gain a roadmap to navigate the commercial, technical, and operational challenges of decarbonisation

2

Learn from site-level case studies on electrification, microgrids, batteries & hybrid energy systems

3

Develop practical processes for methane abatement and emissions reporting

4

Gain commercially & operationally feasible frameworks to decarbonise fleets, haulage, facilities & infrastructure

5

Stay on top of technological breakthroughs in battery-electric equipment, hydrogen & emissions monitoring

6

Learn how to upskill and transition your workforce to electric and decarbonised environments

7

Master Scope 3 and supply chain management strategies

8

Connect with mining, energy, finance & tech leaders to build partnerships & accelerate your decarbonisation agenda

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SPEAKERS



Hannah Gardiner
Assistant Director -
Renewables Policy
**Queensland Renewable
Energy Council**



Mahdi Mason
Head of Sustainability
Sojitz Blue



Michael Williams
Sustainability
Superintendent
Bellevue Gold



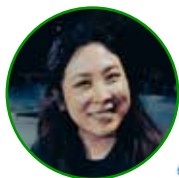
Michael Probert
Project Director
Turner & Townsend



Mark Couchman
Domestic Sector Lead
Export Finance



Jessica Dwyer
Director, Low Carbon APAC
Worley



Dani Siew
Senior Manager - Corporate
Engagement
**Investor Group on Climate
Change**



Zoe Whitton
Non-Executive Director
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Akaash Sachdeva
Manager Responsible
Investment
HESTA



Anish Muchhala
Investment Manager
ARENA



Jenny Agnew
Business Sustainability
Manager
Sedgman



Fran Burgess
Manager - Process
Ausenco



Ildiké Piercy
Senior Manager
Environment, Cultural
Heritage and Social
Performance
Peabody Energy



Tom Measham
Research Director
CRC TIME



Kristy Nell
Research Fellow
**Sustainable Minerals
Institute**



Yonggang Jin
Team Leader Environment
and Sustainability
CSIRO



Kishore Mishra
Package Manager -
Decarbonisation
Kent



Jia Norris
Remote Embedded
Generation Design Manager
Ergon Energy/Energex



Kellie Charlesworth
Energy Transition Leader
Arup



Tamsin Senders
General Manager Australia
Arca



Beth Schutz
Director, Sustainability & ESG
**Turner & Townsend
JukesTodd**



Alina Chaparro
Senior Consultant
Turner & Townsend



Alfonso Chinnici
Chair of Sustainable Energy
and Energy Transition
Adelaide University



REGISTER TODAY!



AGENDA DAY 1 | Wednesday, 26 November

- 08:30 Welcome coffee & registration
08:50 Opening comments from the Chair



Hannah Gardiner
Assistant Director - Renewables Policy
Queensland Renewable Energy Council

OPERATIONAL DECARBONISATION: SITE-LEVEL STRATEGIES AND REALITIES

- 09:00 **Operationalising decarbonisation: site strategies, innovative processes & overcoming challenges**



Mahdi Mason
Head of Sustainability
Sojitz Blue

- 09:30 **PANEL DISCUSSION: Real-world decarbonisation: how to navigate financial, technical & operational realities**

Moderator:



Hannah Gardiner
Assistant Director - Renewables Policy
Queensland Renewable Energy Council



Panellists:

Michael Williams
Sustainability Superintendent
Bellevue Gold



Mahdi Mason
Head of Sustainability
Sojitz Blue



Michael Probert
Project Director
Turner & Townsend

- 10:20 Morning Tea & Networking

FINANCING, DESIGNING & SCALING DECARBONISATION PROJECTS

- 10:50 **Establishing a decarbonised minerals processing industry in Australia**



Anish Muchhala
Investment Manager
ARENA

- 11:20 Partner presentation

- 11:40 **From strategy to scope: designing decarbonisation into a mining project pipeline**



Jessica Dwyer
Director, Low Carbon APAC
Worley

- 12:10 **PANEL DISCUSSION: How to fund & scale decarbonisation through strategic planning, collaborative partnerships and savvy capital initiatives**

Moderator:



Dani Siew
Senior Manager - Corporate Engagement
Investor Group on Climate Change



Panellists:

Zoe Whitton
Non-Executive Director
Net Zero Economy Authority & Investor Group on Climate Change
Managing Director, Head of Strategy & Impact
Pollination



Steve Jukes
Global Head of Mining Investment
Turner & Townsend JukesTodd



Akaash Sachdeva
Manager Responsible
HESTA



Mark Couchman
Domestic Sector Lead
Export Finance

- 13:00 Networking Lunch

DECARBONISATION THROUGH ENERGY INFRASTRUCTURE AND PLANNING

- 14:00 **From diesel dependence to renewable-ready: evolving remote energy projects**



Jia Norris
Remote Embedded Generation Design Manager
Energy/Energex

- 14:30 **Optimising microgrids & batteries to drive decarbonisation while managing intermittency risks**

- 15:00 Partner presentation

- 15:20 **Strategic energy planning: optimising electrification & power procurement while balancing cost, reliability & emissions targets**

- 15:50 Afternoon Tea & Networking

DECARBONISING FLEETS, FACILITIES & INFRASTRUCTURE

- 16:20 **Reducing emissions in mineral processing through design, innovation and efficiency**



Jenny Agnew
Business Sustainability Manager
Sedgman

- 16:50 Closing remarks from the Chair & end of Day 1

- 17:00 Networking Drinks




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AGENDA DAY 2 | Thursday, 27 November


- 08:30 Welcome coffee
- 08:50 Opening comments from the Chair
-  **Alfonso Chinnici**
Chair of Sustainable Energy and Energy Transition
Adelaide University

WORKFORCE READINESS & COMMUNITY COLLABORATION





- 09:00 **Building a decarbonisation-ready workforce: skills, culture and capability for low-carbon mining**
-  **Fran Burgess**
Manager - Process
Ausenco
- 09:30 **FIRESIDE CHAT: Just transition in mining: ensuring decarbonisation delivers social and economic resilience**
-  **Ildiké Piercy**
Senior Manager
Environment, Cultural Heritage and Social Performance
Peabody Energy
-  **Paula Dell-McCumstie**
Director and Founder
Community Engagement
- 10:00 **Driving decarbonisation through CRCs and collaborative R&D models**
-  **Tom Measham**
Research Director
CRC TIME
- 10:30 Partner presentation
- 10:50 Morning Tea & Networking

MANAGING SCOPE 3 EMISSIONS & METHANE ABATEMENT

- 11:20 **Tackling Scope 3: Collaboration, logistics and downstream emissions**
- 11:50 **Measuring, verifying and reporting emissions reductions: frameworks, data & technology**
-  **Kristy Nell**
Research Fellow
Sustainable Minerals Institute
- 12:20 **Assurance Ready: Preparing for Climate-Related Financial Disclosure in Mining**
-  **Aletta Boshoff**
National Lead Partner, IFRS & Corporate Reporting
BDO
- 12:50 Networking Lunch

- 13:50 **Operational pathways for methane abatement: from identification to integrating methane management into site decarbonisation plans**
-  **Yonggang Jin**
Team Leader Environment and Sustainability
CSIRO

DECARBONISATION PATHWAYS & EMERGING FRONTIERS

- 14:20 **Greenfield vs brownfield decarbonisation strategies across the asset lifecycle**
-  **Kishore Mishra**
Package Manager - Decarbonisation
Kent
- 14:50 **Hydrogen in mining: hope, hype, or viable decarbonisation pathway?**
-  **Michelle Gane**
Energy Transition Services Discipline Leader
Engeny
- 15:20 Afternoon tea
- 15:40 **Building energy systems & infrastructure to support electrification, hybrid power & future fuels**
-  **Kellie Charlesworth**
Energy Transition Leader,
Arup
- 16:10 **Preparing mines for next-gen decarbonisation**
-  **Tamsin Senders**
General Manager Australia
Arca
- 16:40 Closing remarks from the Chair
- 16:50 End of Mining Decarbonisation Summit 2025



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PRE-CONFERENCE MASTERCLASSES

Tuesday, 25 November

The pre-conference masterclasses provide attendees with morning and afternoon tea breaks and a 1-hour lunch break allowing for extra networking opportunities and in-depth learning.

The masterclasses start at 9:00 and finish at 17:00.

Masterclass A: Mastering emissions and ESG measurement, reporting & compliance

This intensive masterclass is tailored for professionals responsible for emissions measurement, reporting, and ESG compliance. It covers frameworks, methodologies, and best practices for accurate, transparent, and effective sustainability reporting aligned with evolving regulatory and investor expectations.

Participants will gain the skills and confidence to lead emissions and ESG reporting initiatives that meet stakeholder demands and support organisational decarbonisation and sustainability goals.

Key Takeaways & Learning Outcomes:

- Navigating emissions reporting standards and regulatory requirements
- Best practices for data collection, validation, and management
- Integrating emissions reporting into broader ESG disclosures
- Understanding investor expectations and communicating sustainability performance
- Tools and technologies for improving reporting accuracy and efficiency

Facilitators:



Beth Schutz
Director, Sustainability
& ESG
Turner & Townsend
JukesTodd



Alina Chaparro
Senior Consultant
Turner & Townsend

Masterclass B: Beyond carbon - future proofing mining operations through sustainability & ESG frameworks

This masterclass offers mining professionals a comprehensive understanding of sustainability beyond emissions reduction. Participants will explore biodiversity management, water stewardship, and other environmental factors critical to responsible mining operations and long-term social licence.

Key Takeaways & Learning Outcomes:

- Aligning operational planning with broader sustainability and ESG frameworks
- Understanding biodiversity impacts and strategies for protection and restoration
- Water stewardship practices and integrating water management with sustainability goals
- Navigating community engagement and social licence related to environmental stewardship
- Practical tools for embedding biodiversity and sustainability considerations into mining projects

Participants will leave this masterclass with practical knowledge to advance their organisation's sustainability agenda beyond carbon, supporting resilient, responsible, future-proof mining operations.

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BECOME A PARTNER AT THE MINING DECARBONISATION SUMMIT 2025

The **Mining Decarbonisation Summit** is your exclusive opportunity to connect directly with key decision makers and industry leaders driving the future of mining across Australia. This high-impact event gathers stakeholders from every segment of the mining value chain, all focused on advancing sustainable, low-carbon solutions.

Position your organisation at the forefront of mining's decarbonisation journey, showcasing your solutions and your commitment to innovation, sustainability, and industry leadership. It's the perfect platform to elevate your brand, build strategic partnerships, and generate high-quality leads.

Our tailored sponsorship and exhibition packages are designed to maximise your exposure and deliver measurable ROI, helping you meet your marketing and sales objectives.

Contact **Lewis Halliday** on lewish@questevents.com.au or +61 (0)412 678 218 or **Milad Etemadi** on milade@questevents.com.au or +61 (0)478 195 857 to discuss how we can help you connect with your ideal audience.

REGISTRATION

3 DAY STANDARD PACKAGE

(Main Conference Day & Pre-conference Masterclass)

25 - 27 November

Full access to the main conference sessions

Pre-conference masterclass

All networking sessions

Register on or before 17 October \$4,495
(SAVE \$500)

Regular price \$4,995

2 DAY STANDARD PACKAGE

(Main Conference Day)

26 - 27 November

Full access to the main conference sessions

All networking sessions

Register on or before 17 October \$3,495
(SAVE \$500)

Regular price \$3,995

MASTERCLASS SESSION ONLY

25 November

Pre-conference masterclass

All networking sessions

Register on or before 17 October \$2,195
(SAVE \$200)

Regular price \$2,395

All prices are inclusive of GST

GROUP DISCOUNTS

15%

3-6
delegate package

20%

7-10
delegate package

25%

11+
delegate package

REGISTER TODAY!

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Call our Account Executives with any questions or to discuss the best discount options for you.

James McCallum

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Huxley Russell

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