DIGITAL MINE SUMMIT

AUSTRALIA'S LEADING INTERACTIVE COMMUNITY FOR MINING LEADERS

THURSDAY, MAY 22ND, 2025

CROWN HOTEL, PERTH, AUSTRALIA

FOREFRONT
EVENTS

SPEAKERS

Alcoa

Peter Rose
Global Digital Deployment Manager

ROY HILL

Jen Annice
Manager Control Operations

BHP

Andres Neicun
Superintendent Asset Strategy & Reliability

RioTinto

John Hinton
Senior Manager Data Science

Fortescue™

Abby Buters
Green Systems Development Manager

covalent
LITHIUM

Fredy Navarro
Principal Analysis

KEY TOPICS

- Future proofing the mining sector: Accelerating innovation, alignment & change management
- Exploring new frontiers of asset optimisation & electrification
- Empowering the mining workforce: Maturing data analytics & building AI capabilities
- Developing an effective mining centre of excellence

WHO WILL ATTEND?

- Chief Information Officer
- Chief Technology Officer
- Heads of Asset Management
- Heads of Operations
- Heads of Digital
- Heads of Innovation
- Heads of Data Analytics
- Heads of Decarbonisation

#FOREFRONTEVENTS

8:30 REGISTRATION, COFFEE & REFRESHMENTS

9:00 WELCOME REMARKS

> **9.10 ATTENDEE SPOTLIGHT**
> In your tables discuss the biggest barriers in effectively integrating new technologies

9:40 PANEL DISCUSSION FUTURE PROOFING THE MINING SECTOR: ACCELERATING INNOVATION, ALIGNMENT & CHANGE MANAGEMENT

- Closing the gap between technological idealism and on the ground realities
- Creating an effective innovation hub and fostering a bottom up transformation pipeline
- Maximising partnerships with OEM's and other external stakeholders
- Uplifting integration and change management practices

Peter Rose, Global Digital Deployment Manager, Alcoa
Jen Annice, Manager Control Operations, Roy Hill
Daria Lvova, Manager Strategic Improvements, BHP

10:20 CASE STUDY: MATCHING YOUR OPERATIONAL NEEDS TO YOUR TECH CAPABILITIES

10:50 MORNING TEA & NETWORKING

> **11.20 INTERACTIVE SCENARIO**
> In your tables explore the key factors needed for successful decarbonisation in the mining sector

11:40 PANEL DISCUSSION EXPLORING THE NEW FRONTIERS OF ASSET OPTIMISATION & ELECTRIFICATION

- Optimising fleet planning, maintenance and performance
- Assessing the potential of robotics in asset management
- Exploring the opportunities and challenges being presented by fleet electrification
- Unpacking the practical steps in transitioning to an electrified fleet

Andres Neicun, Superintendent Asset Strategy & Reliability, BHP
Abby Buters, Green Systems Development Manager, Fortescue
Mohsen Yahyaei, Director- Julius Kruttschnitt Mineral Research Centre, University of Queensland

12:20 PRESENTATION: KEEPING YOUR WORKFORCE SAFE IN THE AGE OF AUTONOMY AND CYBER ATTACKS

12:50 LUNCH & NETWORKING

> **1:30 INTERACTIVE WORKSHOPS**
> - Effectively bringing key stakeholders together to drive meaningful innovation
> - Leveraging IoT and AI for enhanced mine safety
> - Implementing a successful mine chat bots to drive operational outcomes
> - Collecting and delivering clear insights to operations with speed
> - Assessing the potential of bleeding edge robotics on the mine site
> - Utilising digital twins effectively and discovering areas of use growth
> - Uplifting organisation wide cyber awareness and safety

2:10 PANEL DISCUSSION EMPOWERING THE MINING WORKFORCE: MATURING DATA ANALYTICS & BUILDING PRACTICAL AI CAPABILITIES

- Maturing data governance, storage and segmentation
- Laying the foundations for a AI enabled mining operation
- Assessing the road to machine learning and Automated Decision Making (ADM)
- Uplifting organisation wide tech and data literacy

John Hinton, Senior Manager Data Science, Rio Tinto
Gagneet Serai, Data Analytics Lead, BHP
Brock Reynolds, Manager Operations AI, Fortescue
Fredy Navarro, Principal- Analysis, Covalent Lithium

2:50 CASE STUDY: THE ROAD TO DECARBONISATION- DEVELOPING A HOLISTIC STRATEGY

3:20 AFTERNOON TEA & NETWORKING

> **3.40 KEYNOTE:** Back to basics: Mining done in the extremes
>
> **Stacey Squire**, Group Technology Manager, Perseus Mining

4:10 CLOSING REMARKS

4:20 NETWORKING DRINKS

5:20 EVENT END