

THE INTELLIGENT MINER

2021 EDITORIAL THEMES

January: Treading lightly on the landscape

Precision mining | Energy efficiency | Working towards zero waste | Progressive rehabilitation |
Decarbonisation

February: Building teams for different challenges

Designing in diversity & inclusion | Skills for leadership | Harnessing neurodiversity | Rethinking
organisational structures

March: Mineral sourcing & supply chains

Blockchain & traceability | Future proofing supply chains | Vertical integration |
Preparing for disruption

April: Reconnecting mines, markets & consumers

Reputation & branding | Communicating the value of mining | Building trust & transparency

May: New ways with construction & engineering

Innovative delivery models | Project logistics & planning | Tools for stakeholder engagement

June: New materials & manufacturing methods

3D printing | Product design | Intelligent materials | Composite development | Nanotechnology

July: The frugal mine, how to do more with less

Equipment upgrades & rebuilds | Parts supply strategy | Process auditing |
Creating new products & markets

August: Maintaining a social license to operate

Business strategy | Community involvement | Responsible resource & waste management

September: Creating agility

Economies of scale | From ultra-class fleets to swarms | Lean | Mobile operations & plants

October: Going deeper with data

Machine learning for operational optimisation | Assisted decision making | Data & ethics |
Quantum computing for industrial applications

November: Mineral exploration for the 21st Century

Data science & AI | Phytomining | Indicator minerals | Orebody visualisation

December: Delivering value for all

Managing stakeholder expectations | Alternative finance models | Creating shared value