

CYIENT

#IntelligentEngineering

# DRIVING PERFORMANCE ACROSS THE MINING VALUE CHAIN

Domain Experts | Tailored Solutions | Productive Mines



Mining is a long-horizon, high-consequence industry. Assets are expected to perform reliably over decades, capital programs are scrutinised across cycles, and operations run in safety-critical environments where disruption carries material risk. In this context, mining leaders value partners who demonstrate judgement, relevance, and delivery credibility.

Cyient's mining capability is built to operate within these realities. We support mining and minerals organisations by combining deep domain understanding with engineering discipline and the restrained, outcome-driven application of digital capability to improve project certainty and operational performance.

## OUR MISSION

**To enable safer, more reliable mining operations by translating data and digital capability into decisions that improve uptime, throughput, and cost performance across the full asset lifecycle.**

## OUR CAPABILITIES

### Operating Model

- Organisational model redesigns
- Change management

### Data Management

- Digitisation of complex legacy datasets
- Asset management, mine closure, and mine exploration data support enabling digital adoption
- Platform development for data storage and interrogation
- People onboarding, travel, and accommodation logistics supporting tier 1 clients with large-scale workforce movements

### Operational Performance

- Value chain constraints analysis
- People capability uplift
- Asset performance uplift
- AISC and unit cost reduction
- Operational efficiency improvements
- Autonomous operations
- Trade-off analysis
- OoM, PFS, and FS engineering studies

### Digital Mining

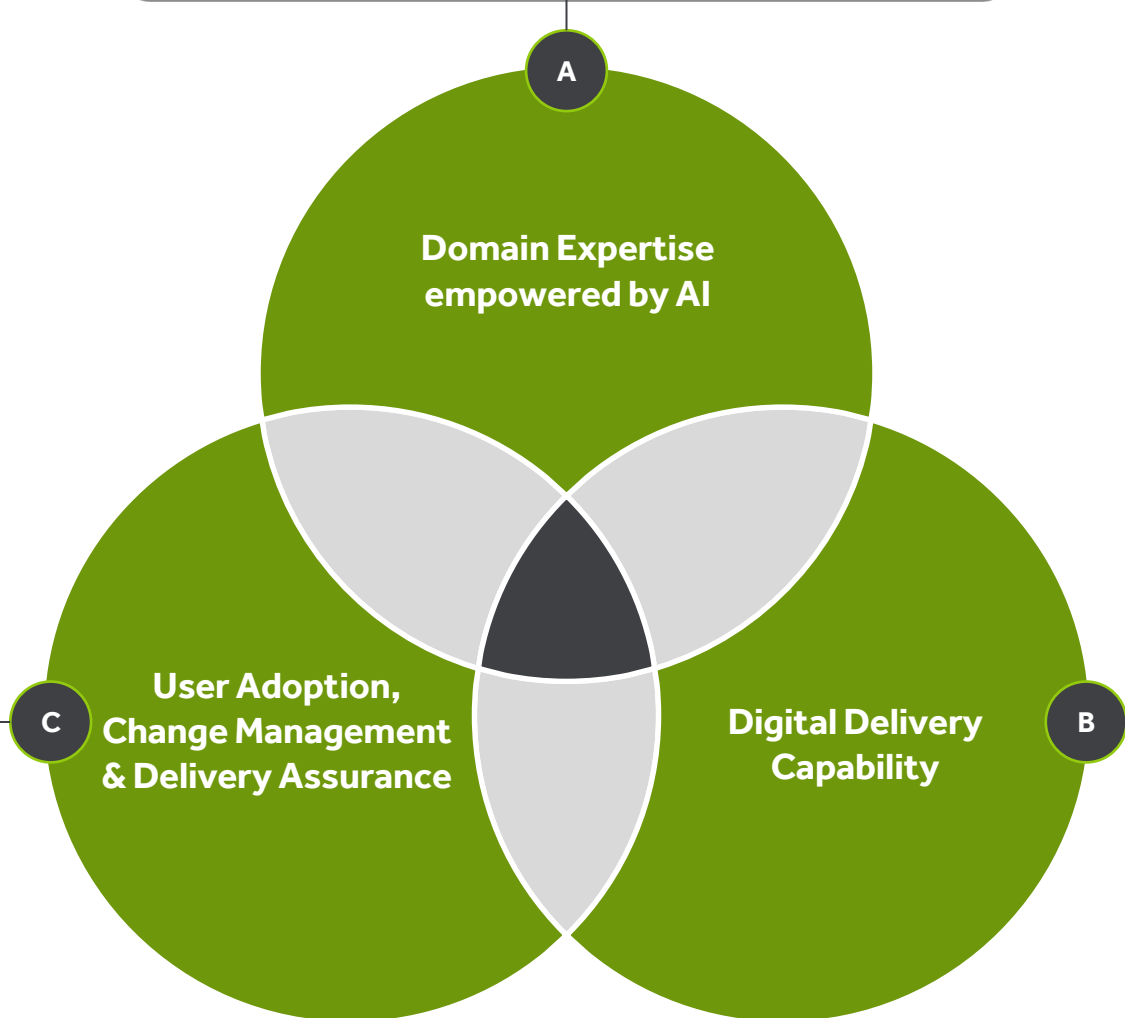
- Complex schedule optimisation (Schedule AI)
- Advanced process control advisor (optimising for yield, energy, CO<sub>2</sub>)
- Stockpile feed optimisation

### Asset Management

- Equipment strategies and tactics optimisation
- Reliability centred maintenance
- Spare parts and master data management
- Intelligent supply chain management
- Interactive technical publications
- EAM and asset data management
- Operational readiness
- Field validation services

## OUR VALUE PROPOSITION

- 150 years of mining experience Integrated asset management & reliability engineering CoE for Global Tier 1 mining company
- 10+ year of value delivery for Global Tier 1 mining company
- Master data governance & maintenance strategy development



- Change management aligned to mining operating models
- Training, operational readiness, and field enablement
- Transition support and hypercare to reduce disruption
- Focus on sustained adoption and measurable outcomes

- Delivery and BAU management of digital solutions and technical data
- 100 digital + engineering experts with over 50 experts with mining specific experience
- AI-driven analytics & digital platform implementation
- Technology implementation & support for Asset Heavy industries

**Cyient delivers trusted, measurable mining outcomes through domain-led engineering and disciplined digital enablement.**

## WHY IT WORKS

Domain credibility leads, technology enables

Judgement and restraint replace hype

Adoption is designed in from the start

Outcomes are transparent, measurable, and operationally relevant



# DEMONSTRATED EXCELLENCE IN PROJECTS



## Maintenance Tactics Review and Update (Fixed Plant Assets)

**Challenge:** Optimise maintenance tactics across critical fixed plant infrastructure while reducing cost and unplanned downtime.

**Our Approach:** Performed function location analysis and Reliability Centred Maintenance (RCM) reviews based on equipment criticality. Built end-to-end maintenance strategies and updated existing practices across rail track infrastructure, conveyors, ship loaders, substations, port facilities, and water supply systems. Recommended vendor consolidation for spares procurement.

**Outcome:** Reduced spare parts consumption cost by 15–20%, improved asset availability by 5%, and reduced unplanned maintenance work by 10%



## Schedule AI Creates \$5M Value

**Challenge:** Derisk complex capital project schedules and improve delivery certainty in an environment where most projects fail to meet schedule milestones.

**Our Approach:** Deployed a fit-for-purpose AI schedule optimiser focused on the critical few decisions that drive schedule performance. Increased decision speed and improved schedule quality to support on-time production readiness.

**Outcome:** Delivered 44 days (11%) schedule saving, generating approximately \$5M in value and achieving 13x ROI.



## Unlocked \$120M of Value Through Value Chain Integration

**Challenge:** Support a mining client's evolution from a remote operations centre to an integrated operations centre enabling unified decision-making across the value chain.

**Our Approach:** Conducted current-state maturity assessment against industry benchmarks, developed a digital and value chain roadmap, reviewed automation readiness and decision rights, and delivered an implementation and change strategy supported by ROI tracking.

**Outcome:** Demonstrated \$120M of value through value chain integration and maturity uplift toward industry-leading integrated operations



## New Operating Model for a Mid-Tier Miner (Growth and Integration)

**Challenge:** Enable a mid-tier miner undergoing acquisitions to adjust its operating model and maximise enterprise value in a new global environment.

**Our Approach:** Developed a new operating purpose, operating practices, leadership role definitions, organisational structure, and governance routines. Provided board-level and executive coaching to embed the model globally.

**Outcome:** Successfully deployed a new operating model across the organisation, supporting integration of new businesses and contributing to continued share price growth of approximately 75% CAGR.



## Support in Maintaining and Codifying Worlds Largest Private Exploration Database

**Challenge:** Establish a privately held exploration database to unlock discovery insights, improve decision-making, and retain critical geological knowledge across commodities.

**Our Approach:** Structured and secured exploration datasets including lithology, downhole, geophysical, and geochemical data. Catalogued 1.8 billion drill records and georeferenced and vectorised 500+ geological maps, enabling technology integration for AI-ready exploration workflows.

**Outcome:** Enabled discovery of Tier 1 and Tier 2 resources, reduced exploration costs, improved insight quality, and increased asset value through documented exploration history.



## Mobilise 16K People for Tier 1 Miner Weekly

**Challenge:** Manage large-scale workforce logistics for a major Fly-in Fly-out mining operation while reducing cost and improving operational efficiency.

**Our Approach:** Delivered end-to-end people logistics including onboarding, roster planning, travel bookings, site accommodation, demand forecasting, shutdown administration, reconciliation billing, and 24/7 support.

**Outcome:** Provided 12 years of service, supporting 16,000 people movements every fortnight, delivering 40% cost reduction, and achieving year-on-year improvements through automation adoption.



## OUR EDGE IN MINING

**50+**

5+ year  
Strategic  
Partnerships

**200+**

Asset  
Management  
Specialists

**1800+**

Plant  
Engineers

**150+**

Data  
Scientists

## CONNECT WITH OUR EXPERTS

**Cyient has assembled a highly skilled team of operational and technical expertise to support your needs**



**Andrew Wilson**  
Vice President

**20+ Years**

Experienced mining leader across integrated operations, processing, change leadership & Digital product deliver.



**Eduardo Somoano**  
Delivery Head

**25+ Years**

Experienced mining leader specializing in Asset Management and leading teams to deliver sustainable productivity initiatives.



**Chris Betts**  
Principal Consultant

**25+ Years**

Specializes in Asset Management benchmarking across major miners globally and delivering impact to mining customers.



**Lesley Rhode**  
Commercial Director

**15+ Years**

Experienced mining professional across mine planning, operations and leadership.



**Sorousha Moayer**  
Partner – Digital Mining

**15+ Years**

Expertise in establishing sustainable and impactful AI programs in Mining Industry



**Marlene Woligroski**  
Commercial Director

**15+ Years**

Experienced mining professional with a background in data analytics, quantitative methods, geoscience and exploration; committed to driving innovation and efficiency.



**Cameron Knight**  
Technology Leader

**15+ Years**

Expertise in people and technology solution leadership in mining.



**Vidya Krishnan**  
Commercial Director

**15+ Years**

Experienced mining operations professional with deep domain expertise, leveraging digital and emerging technologies to drive smarter, safer, and more efficient asset-intensive operations.

[www.cyient.com/mining](http://www.cyient.com/mining)



Cyient (Estd: 1991, NSE: CYIENT) delivers intelligent engineering solutions across products, plants, and networks for over 300 global customers, including 30% of the top 100 global innovators. As a company, Cyient is committed to designing a culturally inclusive, socially responsible, and environmentally sustainable tomorrow together with our stakeholders.

### North America Headquarters

USA  
T: +1 860 528 5430

### Europe, Middle East, and Africa Headquarters

UK  
T: +44 118 3043720

### Asia Pacific Headquarters

Australia  
T: +61 4 7026 3817

### Global Headquarters

Hyderabad  
T: +91 40 6764 1000

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