CYIENT
Nothing Less



Advancing Mining Performance Through Execution-Ready AI

Embedding intelligence into daily decisions to improve recovery, reduce energy consumption, and unlock measurable value

Customer challenge

A global metals and mining operator needed to unlock additional financial impact across multi-site operations after major efficiency gains had already been captured. The next level of value depended on improving everyday operational decisions across recovery, energy consumption, and scheduling.

The customer needed to identify where AI could deliver the highest payoff and embed it directly into execution, rather than treating it as a standalone experiment.

The Cyient solution

Cyient applied AI to targeted operational levers including mineral recovery, smelter energy consumption, and scheduling. The engagement focused on integrating AI models into daily workflows, training teams, and establishing new ways of working to sustain value.

- AI models analyzed ore characteristics, processing conditions, and smelter-energy patterns to identify optimization opportunities.
- Insights were integrated into operational systems, enabling frontline and planning teams to use AI recommendations in daily decision-making.
- Adoption frameworks helped ensure improvements in recovery, energy use, and scheduling were consistently applied across sites.

Business impact

Cyient helped the mining operator convert AI into sustained operational value. Recovery improved, energy consumption decreased, and scheduling became more efficient by embedding AI into everyday decisions.

- Nearly AUD 30 million in combined value delivered
- 1–2% improvement in metal recovery
- 3% reduction in smelter energy consumption
- Adoption and training embedded into daily operations



Engineering excellence. Nothing Less.

The greatest opportunities were never hidden in the data itself, but in the decisions it could improve. By bringing intelligence into daily execution, Cyient helped convert operational complexity into a continuous source of value.

Ready to turn everyday mining decisions into measurable financial value?

Speak with our experts, today.

Cyient is a global lifecycle engineering services company powering mission-critical industries from design to aftermarket across products, plants, and networks. With 300+ customers and 15,000+ associates across 30+ countries, we combine human expertise, deep domain knowledge, and AI to deliver intelligent engineering for every lifecycle across Aerospace and Rail, Automotive and Mobility, Connectivity, Energy, Healthcare, Mining, Utilities, and beyond.

To learn how we deliver exemplary outcomes, nothing less, visit www.cyient.com.

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 2 8887 8600

Global Headquarters
Hyderabad
T: +91 40 6764 1000

facebook.com/cyient @cyientnews linkedin.com/company/cyient

© Cyient 2026. All rights reserved.