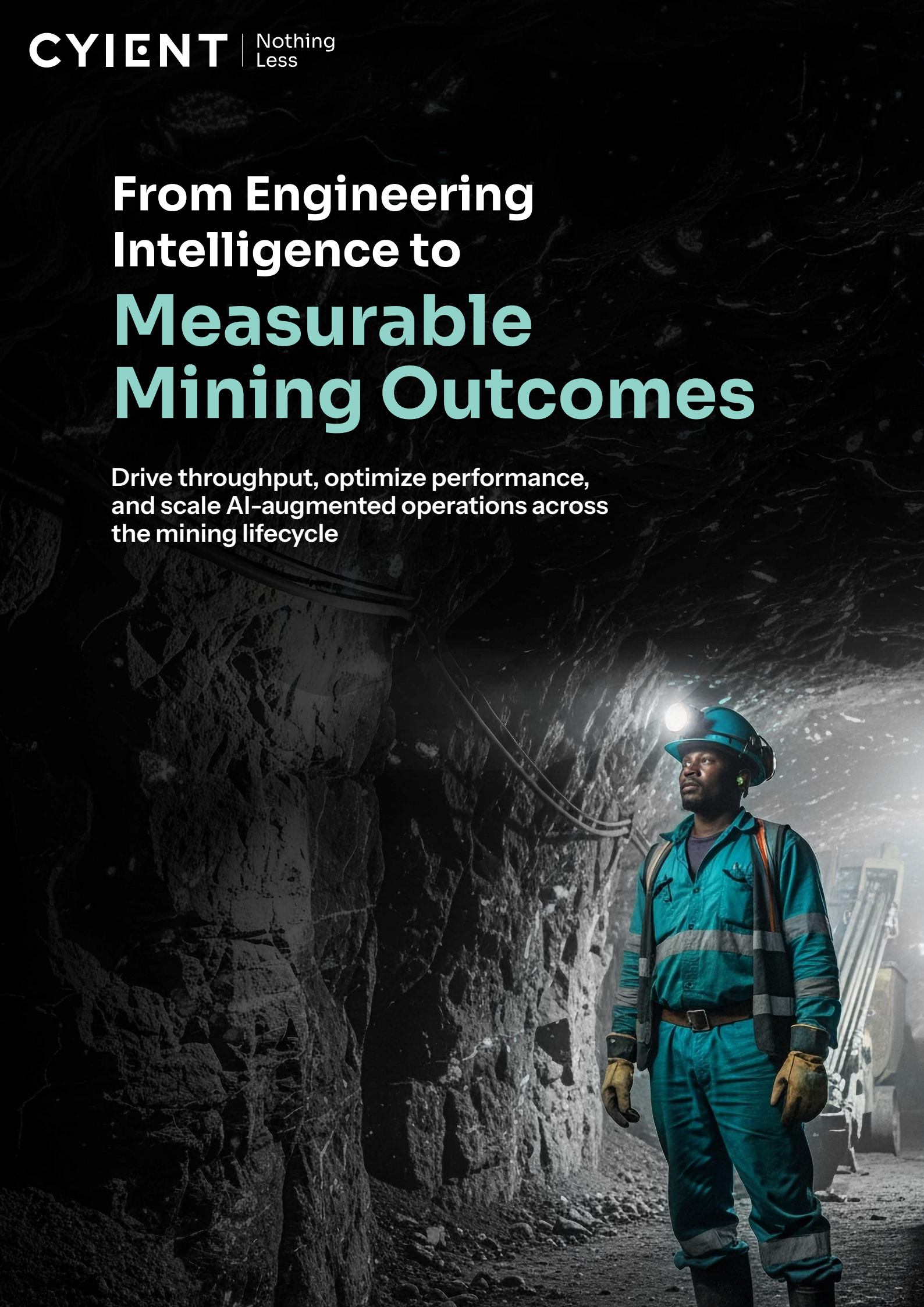
CYIENT | Nothing Less

From Engineering Intelligence to Measurable Mining Outcomes

Drive throughput, optimize performance, and scale AI-augmented operations across the mining lifecycle



The hidden operational gaps limiting mining performance

Mining organizations operate in complex, safety-critical, asset-intensive environments where throughput, reliability, and sustainability must continuously improve.

However, many of the workflows that drive these outcomes remain fragmented.

Critical engineering, maintenance, reliability, closure, geospatial, and operational processes are often managed across disconnected spreadsheets, legacy repositories, SharePoint environments, and evolving workarounds, limiting visibility, slowing decision-making, and constraining performance.

Cyient is uniquely positioned to solve this challenge.

With more than 35 years of experience embedded within engineering and operational workflows, Cyient understands the dependencies across the engineering lifecycle, not just the enterprise systems, but the layers in between where operational value is often lost.

Combined with our **lifecycle engineering intelligence platform - CYiNGINE** and AI-augmented capabilities, we enable mining organizations to improve throughput, optimize plant performance, automate workflows, and structure operational data for scalable transformation.

Industrial lifecycle value map



Asset lifecycle

Improving asset performance across engineering, commissioning, operations, maintenance, reliability, and end-of-life.



Service lifecycle

Optimizing service execution, field workflows, response times, workforce productivity, and cost-to-serve.



Quality & regulatory lifecycle

Strengthening compliance, governance, auditability, quality control, documentation, traceability, and risk reduction.



MRO / maintenance & materials

Improving master data, spare parts, maintenance planning, reliability, procurement efficiency, and operational readiness.

CYiNGINE enables mining organizations to:

- Automate engineering and operational workflows
- Apply AI and agents to high-volume manual processes
- Improve throughput and operational efficiency
- Structure and govern operational data
- Integrate disconnected workflows into enterprise systems
- Enable scalable AI-augmented insights and retrieval
- Reduce operational dependency on manual intervention
- Create repeatable and transferable global operating models

Unlike traditional providers, Cyient focuses on optimizing the operational value chain, not just deploying software.

Our platform-agnostic approach integrates across SAP, ServiceNow, Oracle, AWS, Microsoft, PI Historian, GIS platforms, OT networks, and specialized mining systems.

Capabilities that drive measurable mining outcomes

Optimize the engineering and plant lifecycle

- FEED, detailed engineering, commissioning, and lifecycle support
- Plant digital twins and engineering optimization
- Brownfield and greenfield engineering integration

Improve throughput with AI-augmented plant optimization

- AI-augmented throughput optimization
- Process intelligence and operational AI
- Advanced process control and yield optimization
- Production schedule optimization

Strengthen asset reliability and performance

- Asset health monitoring and predictive maintenance
- Reliability engineering and RCM
- Master data management and MRO optimization

Streamline workflows beyond the ERP layer

- AI-augmented workflow automation
- Agentic AI process augmentation
- Engineering workflow optimization outside ERP environments
- Intelligent document and data

Unlock value from data, closure, and geospatial intelligence

- Legacy data digitization and codification
- Mine closure optimization
- AI-augmented retrieval and interrogation
- Structured metadata and governance models

Enable connected, real-time operations

- Integration and operational connectivity
- Connected worker and field mobility solutions
- Real-time operational visibility and decision support

Delivered outcomes across mining operations

01

AI schedule optimization

Delivered 44-day schedule improvement and approximately **$5M value** through AI-enabled schedule optimization

02

AI plant optimization

Delivered measurable plant yield improvements and approximately **$12M annual operational impact** through AI-enabled plant optimization

03

Mine closure workflow transformation

Reduced closure processing cost by **65–85%, improved throughput** by up to 5x, and enabled scalable AI-ready retrieval capability

04

Integrated operations optimization

Supported integrated operations maturity uplift and demonstrated approximately **$120M value opportunity**

05

Long-term asset & data management partnership

Delivered more than **$35M in measurable value** across a long-term mining asset and data management engagement

Platform-agnostic integration across enterprise, operational, and mining-specific systems

Global delivery scale with the flexibility to support enterprise-wide mining transformation

Strong governance, metadata, and operational data management foundations for scalable adoption

Outcome-led execution focused on measurable business value, not just technology deployment

Why mining companies work with Cyient

AI-augmented capabilities that improve throughput, optimize performance, and reduce manual effort

Purpose-built CYiNGINE platform to structure workflows, data, and decisions at scale

Proven ability to solve workflow gaps beyond traditional ERP environments, where operational value is often lost

35+ years of engineering and operational delivery heritage in complex, asset-intensive environments. Deep mining domain expertise across engineering, plant, asset, and operational workflows

Accelerate throughput. Streamline workflows. Scale AI-ready mining operations.

Partner with Cyient to turn fragmented processes into measurable operational gains across engineering, plant performance, asset reliability, and connected operations.

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.

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