



REVOLUTIONISING **RISK** MANAGEMENT IN MINING

A joint innovation between Deloitte, Unify Today, and Signal AI

Combining Deloitte's mining frameworks, Unify Today's intelligent automation, and Signal AI's external intelligence to transform how mining enterprises sense, manage, and act on risk.

The New Reality of Mining Risk

The mining industry stands at a crossroads.

Once driven purely by production and profit, it now faces an unpredictable storm of **geopolitical volatility, regulatory scrutiny, environmental accountability, and operational complexity**.

In this environment, even the smallest blind spot can trigger catastrophic consequences from fatal safety incidents and environmental breaches to financial losses and reputational damage.

Yet most mining companies still rely on outdated, manual, and siloed risk practices that react after the fact. By the time reports reach the boardroom, the risk has already materialised.

That's why **Deloitte** and **Unify Today**, in partnership with **Signal AI**, have engineered a next-generation solution that transforms how mining organisations **sense, understand, and act on risk** before it happens.

Intelligent Risk Management for the Mining Industry

Mining-Specific Frameworks, Built for Precision

- Developed with Deloitte's mining risk specialists, the solution includes predefined **strategic and operational risk taxonomies** aligned to global mining frameworks.
- Configurable **Risk Appetite, KRIs, and Thresholds** tailored to each site, process, and business function.
- Embeds **Hazard and Control Taxonomies** reflecting real-world mining conditions from blasting to beneficiation ensuring nothing falls through the cracks.

SHEQ and MHSA Compliance, Automated

- Aligned to the Mine Health and Safety Act (MHSA) and broader SHEQ frameworks, ensuring regulatory readiness and transparent audit trails.
- Automates the identification, assessment, and mitigation of safety hazards.
- Enables cross-functional collaboration between risk, safety, finance, and operations - all within one unified platform.

Signal AI: Sensing the Unseen

- In today's interconnected world, risks rarely announce themselves.
- Through our partnership with Signal AI, the Unify Today platform continuously scans over 220,000 global data sources from regulatory updates and news to social sentiment, financial reports, and environmental signals.
- Detect emerging risks early: Identify shifts in ESG pressures, commodity pricing, or regulatory sentiment before they impact operations.
- Understand the context: Signal AI's entity-based intelligence reveals not just what's happening, but how it connects to your business, your suppliers, and your communities.
- Integrate with internal data: Combine external signals with your internal risk data, transforming isolated alerts into actionable foresight.

Bringing true horizon **awareness** to the **mining enterprise** delivering an always-on **radar for risk**.

Why Leading Mining Companies Choose Us



Built for Mining

Frameworks, KRIs, and controls mapped to real mining processes.



Proactive not Reactive

AI-driven sensing means risk is identified before it escalates.



Scalable and Configurable

Fits operations from single sites to multinational portfolios.



End to End integrations

Aligns strategy, safety, compliance, and performance on one platform.



Trusted Expertise

Developed in partnership with Deloitte's Mining Advisory and Signal AI's external intelligence.



Supreme Reporting

Dynamic dashboards at executive, tactical, and operational levels give each stakeholder the clarity they need.

Mining doesn't need another compliance tool.

It needs an intelligent risk partner that senses threats before they surface, unites teams under a single source of truth, and drives smarter, safer decisions.

That's the power of the **Deloitte + Unify Today Mining Solution** — powered by **Signal AI**.
Anticipate. Adapt. Act. Risk-intelligently.

www.unifytoday.tech