Your trusted partner in the journey to a sustainable tomorrow.

ISOMETRIX

Integrated GRC for Mining

IsoMetrix is a world-leading developer of integrated risk management software solutions. Global mining companies have trusted IsoMetrix to help manage their Environmental, Health, Safety and Social risks for over 25 years.

We built IsoMetrix on an agile application framework; an innovative technology that allows us to mold solutions to an organization's specific processes and methodologies. The product's unmatched agility is setting new standards of what a GRC solution can achieve.

IsoMetrix provides the mining industry with specialized solutions for the management of Governance, Risk and Compliance. Offering a comprehensive suite of solutions across the enterprise, from Social Management through to Health, Safety, Environment, Sustainability, Risk, Compliance and Audit; IsoMetrix is the ideal tool to manage operations across the full lifecycle of a mining operation.

> "Our IsoMetrix EHS platform is our life and blood. The safety system is embedded within our production systems as everything that we do has a safety focus."
> *Stanley Segula, Chief Operations Officer, Zimplats*

Life Cycle of a Mine

IsoMetrix Modules	Feasibility	Construction	Operation	Closure	Post-Closure
Legal Register	✓	✓	✓	✓	✓
Compliance	✓	✓	✓	✓	✓
Sustainability Management		✓	✓		
Primary Healthcare & Wellness		✓	✓		
Occupational Health & Hygiene		✓	✓		
Environmental Management	✓	✓	✓	✓	✓
Health & Safety Management		✓	✓	✓	
Social Management	✓	✓	✓	✓	✓
Resettlement	✓	✓	✓		
Enterprise Risk Management		✓	✓	✓	
Ethics		✓	✓	✓	✓
Governance			✓	✓	✓
Strategy		✓	✓		
Tailing Management		✓	✓	✓	✓
Carbon Footprint Management		✓	✓	✓	

Functionality Across the Mine Life Cycle

The IsoMetrix range of solutions will support you in managing all aspects of Governance, Risk and Compliance across the life of your mine.

Feasibility Phase

During the feasibility phase IsoMetrix will enable you to:

- Record details of all environmental impact assessments and baseline surveys
- Manage stakeholder engagements and store details of all resettlement action plans
- Record social baseline surveys, details of interactions with local communities, commitments made, and complaints and grievances lodged
- Ensure all activities are compliant with relevant local and international legislation
- Develop an integrated management plan to address all issues identified
- Manage occupational health and hygiene
- Manage health and safety

Construction Phase

During construction IsoMetrix will help you to:

- Identify all safety hazards and ensure that the inherent risks are mitigated
- Record and investigate all incidents, injuries, near misses and non-conformances
- Analyze trends so that effective preventive and corrective measures can be put in place
- Assess all environmental aspects and impacts
- Carry out regular audits and inspections
- Fully manage all aspects of resettlement: assess compensation, manage grievances, begin work on livelihood restoration, human resource development of the local communities and the workforce, as well as local content management
- Access, in plain English, all sections of all laws, by-laws and codes that need to be complied with, allowing you to assess your levels of compliance and rate the effectiveness of your controls
- Capture and analyze environmental monitoring data

Operation Phase

Once the mine is operational, IsoMetrix will help you to:

- Ensure strong implementation of continual improvement measures and achieve compliance with standards such as ISO 14001 and ISO 45001
- Monitor adherence to the commitments made in the Environmental Impact Assessment (EIA) and Social Impact Assessment (SIA), as well as the Social and Labour Plan (SLP), thereby assuring the mine's license to operate
- Monitor permits and licenses in the EIA, SIA and SLP
- Gauge the levels of compliance with these assessments and plans in real-time, reducing the risk of penalty or closure
- Generate, in real-time, sustainability reports based on IIRC, GRI and ICMM standards
- Monitor indicators such as energy, water biodiversity, air quality, surface area change, noise and material flows, allowing for better decision-making, improving efficiencies and reducing costs

- Manage the identification and mitigation of any potential health hazards and implement risk based medical surveillance protocols
- Manage and monitor tailings operational risks
- Set up alerts and notifications of non-conformances or threshold exceedances

IsoMetrix provides integrated occupational health and hygiene management, along with medical surveillance, primary healthcare and wellness and clinic management to ensure your operation has adequate preventive and curative measures in place for occupational health exposure risks.

Closure Phase

During the closure phase IsoMetrix assists you to:

- Manage rehabilitation against targets agreed with the government and local community
- Manage social responsibility undertakings against targets
- Continue to manage and monitor all environment health and safety risks

Post-Closure Phase

After closure IsoMetrix assists you to:

- Monitor the effectiveness of rehabilitation measures such as reforesting land or improving water sources, building and funding infrastructure and schools, and creating opportunities for new economic growth
- Track stakeholder engagements and progress against long-term commitments
- Monitor compliance against local and international legislation regarding mine closure

> "Everything is integrated, so no matter where you are in the IsoMetrix system, everything touches the various parts of the business." - Kavita Pema, Group Executive: Sustainability and Risk, Omnia Group

The Benefits of a Single System

IsoMetrix allows you to have a single, integrated solution for managing all disciplines within GRC, reducing complexity, removing the need for integrating different systems and databases, and providing an holistic view of the governance health of the operation. The sophisticated dashboards allow you to manage by exception through strong trend analysis, identification of outliers, and period against period comparatives.

The flexibility of IsoMetrix allows the solution to evolve as your operation's requirements change, quickly and easily. Such is the agility of the product that it can easily be used to replace the spreadsheets that typically proliferate in any organization with secure, auditable, web-based modules – for a wide range of additional applications including tailings management, management of training and permits, complaint management, support desk and customer/supplier management, among others. IsoMetrix works at all layers of your business: strategic, managerial and operational, allowing you to foster a culture of responsibility and continual improvement, with clear visibility of progress against objectives, as well as the status of assigned actions.