



GRC software that is
integrated, visible, actionable

ISO METRIX

IsoMetrix Tailings Management System

Tailings facilities store a mine's primary waste stream. Without proper management, these facilities pose a significant risk to the natural and social environment should a catastrophic event such as a collapse, contaminated water seepage or significant dust generation occur.

Tailings management protocol is more than just a strict adherence to technical standards. Many industry standards require confirmation that a system for responsible tailings management has been implemented. Mines need to ensure that they have a formal policy in place, have developed and implemented a Tailings Management System (TMS), have assigned accountability, and have developed operation, maintenance and surveillance manuals, as well as procedures for all tailings impoundments.

The IsoMetrix TMS is designed according to international standards and best practice, and has been specially developed to offer mines a more effective and responsive way to manage their tailings storage facilities.

The IsoMetrix TMS allows all of these requirements to be tracked, managed and reported on.

Plan, Do, Act, Check

The IsoMetrix TMS follows the Deming Cycle of Plan, Do, Check, Act using applicable modules

already tried and proven in its world-class EHS Management System. Permit, license and approval conditions, obligations and commitments can all be tracked and actioned within the system, and high-rated risks identified in the Risk Management Module.

systems to avoid duplication of work.

The IsoMetrix TMS gives you a complete picture of the health of your tailings facility, where other systems may only give you part of the picture. With the growing risk associated with tailings facilities, mines need a system



The software allows you to appoint responsibility, and then capture and track tasks. At any point, the status of actions and the individuals responsible for them is visible. Stakeholder and contractor information is also recorded in the system. The Incident Management module allows the user to capture non-conformances or incidents with follow up corrective actions, which can be tracked until closure.

Integration

The IsoMetrix TMS can be integrated with existing systems, or used on its own to replace manual and spreadsheet based systems. If the system is used in conjunction with existing systems, data can be pulled from these

that understands the specific protocols required to manage the tailings facilities effectively.

The IsoMetrix TMS reduces reaction times, bringing the right data to the necessary decision makers faster and more accurately than would be possible with manual/spreadsheet based systems. This is especially useful when operations are in remote areas.

Configurability

Every mine is different. The IsoMetrix TMS lets you create audits that exactly match the requirements of your mine. Reviews, audits, surveillances and inspections with checklist can all be configured into the system.

Powerful dashboards

The real power of this TMS lies in the built-in IsoMetrix dashboard capabilities. They are configurable, provide visible data customisable to the user profile and makes reporting easy through automation.

Managers can quickly detect if certain functions are not undertaken and follow up on them as well as being notified immediately of a non-conformance or when any trigger is activated. Very often, responsible persons are remote, so this reduces the need for direct interaction through site visits, as the information captured in IsoMetrix is more detailed and live.



The IsoMetrix TMS is easily integrated with meters and other monitoring devices to take advantage of the Internet of Things and reduce the need for manual inspections.

Advantages of the IsoMetrix Tailing Management System:

- Remote managers can get live information on the status of the TSF
- Log incidents with corrective actions which can be tracked
- Real-time data for quicker reaction time for identified problems
- Alerts or notifications triggered when data does not conform
- A repository for all Tailings related documentation
- A customisable dashboard
- Mobile/offline capability for the capturing of information such as audits and incidents. The system will synchronize automatically when back online resulting in minimal delay in uploading information. Information is immediately available to manage any issues that might arise.
- Use IoT to automate and increase the frequency of monitoring activities

This System can also be used to manage the risks related to Heap Leach Pads and Mine Waste Rock Dumps.

Other IsoMetrix Solutions:

The IsoMetrix TMS can be used as a stand-alone solution, or as part of a fully integrated EHS Management System.

Other solutions in the IsoMetrix EHS suite include:

- Environment, Health & Safety Management
- Environmental Sustainability
- Social Sustainability
- Occupational Health
- Occupational Hygiene
- Enterprise Risk Management
- Compliance Management
- Business Continuity Management
- Quality

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Our other solutions include: Business Continuity Management • Compliance • Contractor Management • Document Management • Environmental Sustainability • Enterprise Risk Management • Food Safety • Health, Safety & Environment • Land Access & Resettlement • Occupational Health • Occupational Hygiene • Performance Management • Primary Healthcare & Wellness • Process Compliance & Assurance • Quality • Social Sustainability and many more...

