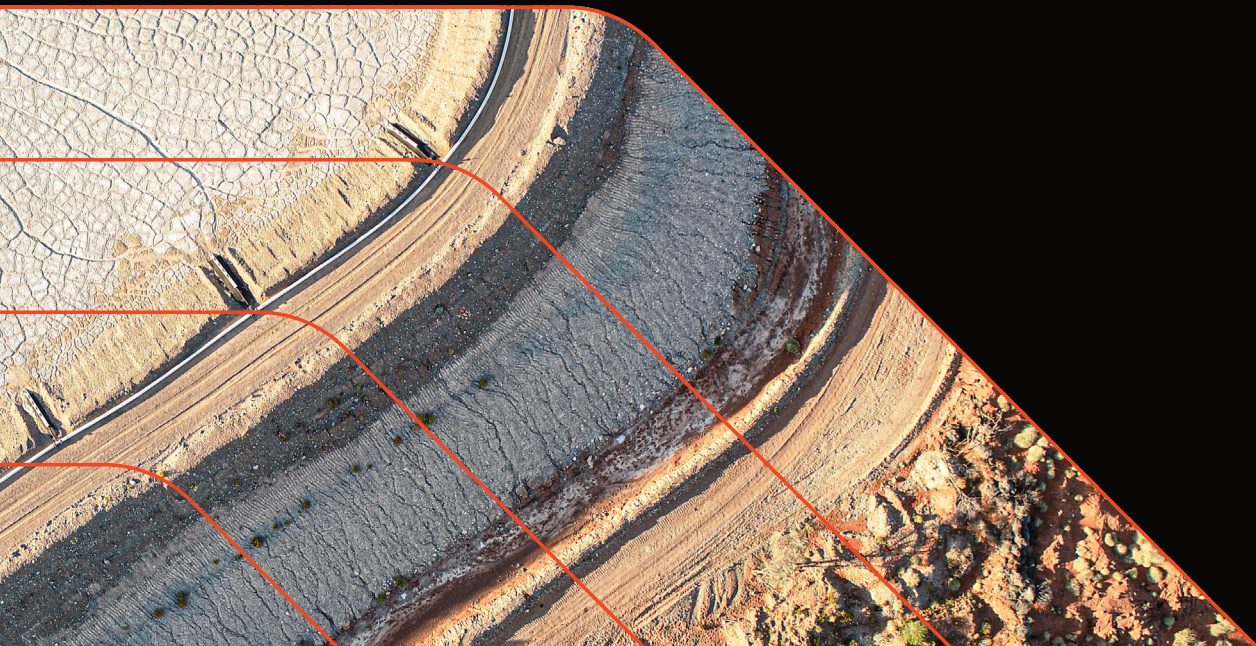


GDMS



Immersive Technology for Safe Tailings Management



Tailings Technology that Empowers the Operator

Designed for immersive tailings storage facility (TSF) management, GDMS facilitates transparent engagement, disclosure and decision making from a mine's conceptualisation to closure.

GDMS is a 3D modelling technology and a SaaS offering of rec, an integrated tailings design and water security engineering house.

For auditing and certification purposes the GDMS operator dashboard simplifies conformity with the requirements of the 'Global Industry Standard on Tailings Management', providing an integrated knowledge base for the design, construction, operation and monitoring of TSFs.



Transformative Applications

GDMS can validate a mine's entire water use and maintain TSF integrity in real time.

Complete Water Management



Inflows, outflows, movements, and water usage can have a significant impact on an operation if not effectively monitored and maintained.

The GDMS software harnesses specialist toolkits to inspect and manage tailings water, surface water and ground water. Additionally, users can visualise water use as it moves through the mining process and input variables to work in tandem with data provided by autonomous loggers.

TSF Monitoring



Our tailings facility software and water management platform delivers real-time data in a single interface, empowering multi-faceted decisions to be executed with confidence.

With the adage of external metric integrations not limited to climate data and ore recoveries, GDMS enables the continuity of operations and management of risk indicators.

TSF Management and Guidance



Our tailings dam management software enables real-time monitoring of TSF behaviour and metrics to facilitate continuous operation and manage risk indicators.

We eliminate the need for multiple telemetry and data management systems, streamlining mine operations within a single, centralised platform.

TSF Design Optimisation



Supporting an integrated approach to mine planning, our dynamic environment hosts a tailings management and field characterisation system that can be virtually manipulated, simplifying adjustments to the site model as new information is obtained.

Geoscience Data Management



Our web hosted environment creates a centralised and holistic knowledge base for any mine metric, including environmental and climate data.

3D modelling provides proactive visualisation of a TSF and capacity estimates for a range of tailings properties, pond configurations, and deposition configurations.

Governance and Standards



The GDMS operator dashboard facilitates compliance with the requirements of the GISTM on Tailings Management for auditing and certification purposes.

Our immersive platform dually supports the auditing process, validating the safety and economical storage of tailings to minimise environmental impacts.





GDMS

Integrity First

| TRANSFORM YOUR OPERATIONS WITH GDMS

A: Garden Office Park,
B355 Scarborough Beach Road
Osborne Park, Western Australia 6017

P: +61 8 6444 7988



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GDMS.COM.AU

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GDMS is proudly a proprietary Software as a Service offering from rec.

