TAILINGS INSIGHT - CLOUD

inmarsat

TAILINGS INSIGHT - CLOUD

Our award-winning cloud application brings all of your critical tailings facility data into one place to help you enhance risk management, data governance and achieve regulatory compliance.

YOUR CHALLENGE

The mining industry is under increasing pressure to manage the risks posed by tailings storage facilities (TSFs).

Gaining greater insight into the status of TSFs is crucial to improving management, but traditional, manual and siloed processes are unable to provide the detail necessary to enable this on a company level. Real-time monitoring and data aggregation platforms that provide company-wide reporting on conditions on tailings storage facilities are increasingly being viewed as a requirement to meet tightening regulatory standards.

Approaches to tailings monitoring varies on a site-level; in some instances mining companies will use a data logger on-site, others will have the necessary sensors, skills and connectivity to take data to a central point. The common need amongst miners is a platform that can handle data from multiple sensor types and multiple connectivity types to display this data in a way that informs all stakeholders of conditions of their TSFs in real-time.

OUR SOLUTION

Inmarsat's Tailings Insight - Cloud enables organisations to view all of their tailings data in one place, supporting real-time monitoring and management across the globe. The powerful cloud application can integrate data from a range of existing sensor and connectivity infrastructure, as well as from Tailings Insight – Plus, our fully managed connectivity solution. The application is quick to set up and requires little or no on site-work*, so starts delivering benefits straight away.

From a single, fully customisable interface, the application provides total, real-time visibility of your sensor network. Features include top down and cross section perspectives on sensors built on and into dams, data on pond elevation, piezometric pressures and inclinometer readings, as well as many other customisable data inputs**. Tailings Insight - Cloud provides peace of mind to mine operators with a range of alarm monitoring capabilities, including customisable alarm trigger states that can be adjusted to your specifications, as well as automatic alerting should conditions on-site change.

The application also supports comprehensive data archiving and journaling functions allowing you view, analyse and annotate important data sets. You can also integrate historical data relating to tailings facilities to compare with new readings so you already have a record for comparison from the moment you first start to use the application. The interface features easily exportable data sets, and leading interoperability, ensuring you can share your progress transparently within and outside of your company.

TAILINGS INSIGHT - CLOUD IS FOR YOU IF...

- You have existing connectivity infrastructure but need a way bring all of your data together in one place to improve governance
- You have disparate approaches to tailings monitoring in place at different sites
- Your organisation wants to work transparently with external collaborators

BENEFITS

- Easy to use cloud application that displays all of your critical data in real-time, accessible anywhere
- Faster decision-making to support proactive management and reduce safety risks
- Enhanced data management, reducing challenges of combining data from multiple platforms
- Build transparency – data is accessible to your choice of personnel, regulators, auditors and insurers
- Developed to surpass upcoming tailings monitoring standards, improving company Environmental and Social Governance (ESG)
- Simple relationship – one global provider, with a 40 year history in safety services, for tailing monitoring on all-sites

FEATURES

- Fully customisable interface - prioritise the data most important to you
- Automated data management for enhanced governance, including automated aggregation, decoding and secure storage
- Multiple sensor views - top down and cross section views (Talud)
- Alarm monitoring - customisable alarm trigger states and automatic alerting
- Interoperable with APIs, platforms and a variety of existing connectivity types
- Data logging - see all historical data in one place and add your own historical data
- Journaling - annotate entries for future audits
- Sensor health reporting - live view of sensor conditions and alert system
- Data export feature for JSON, CSV or XSLX

ABOUT INMARSAT

Inmarsat is the world leader in global, mobile satellite communications. It owns and operates the world's most diverse global portfolio of mobile telecommunications satellite networks, sustaining business and mission critical safety & operational applications for more than 40 years. It is also a major driving force behind technological innovation in mobile satellite communications, sustaining its leadership through a substantial investment and a powerful network of technology and manufacturing partners. Inmarsat operates across a diversified portfolio of sectors and holds leading positions in the Maritime, Government, Aviation and Enterprise satcoms markets, operating consistently as a trusted, responsive and high-quality partner to its customers across the globe.

FOR MORE INFORMATION
W inmarsat.com/enterprise/mining/
E EnterpriseMarketing@inmarsat.com

* In the case of most pre-existing sensor and connectivity arrangements

** Some data producers may be subject to integration costs