Pitram: Pitram Control

Pitram is a mine control and management reporting solution that records, manages and processes mine site data in real-time. By converting data into meaningful information, Pitram provides a thorough overview of a mine site's activities and increases managerial control over an operation. Greater control allows key personnel to increase production, lower production costs, and improve safety and business intelligence capabilities.

Comprised of intuitive asset, personnel and material tracking, safety, grade and stockpile management, real-time view, planning, optimisation, reporting and analytics capabilities, Pitram offers mining operations of all sizes a scalable and flexible solution that can be adapted as a site grows.

The Pitram product suite includes four programs which offer varying functionalities; Pitram Fleet Manager, Pitram Report, Pitram Control and Pitram Optimum. By providing a range of applications, MICROMINE has ensured that every mine site has access to a Pitram product that is relevant to their specific requirements and budget.

What is Pitram Control?

Pitram Control is an automated reporting solution which provides a single environment, referred to as the Control Room, for management and supervisors to make informed decisions related to safety and production. The Control Room acts as a central onsite hub where data related to an operation's assets is collected and analysed by the Mine Supervisor, allowing informed and real-time decisions to be made in relation to a mine site's activities.

Data can be collected and sent to the Control Room as meaningful information through manual log sheets, voice communication or via automated methods which utilise GPS or tagging technology to determine equipment and personnel locations. Pitram Control can be upgraded to include on-board mobile hardware which utilises a wireless network to automatically transfer data between equipment and the Control Room in real-time.

How an organisation chooses to collect their data is based on the complexities of the operation and their budget.

The Mine Control Room - where data related to an operation's assets is collected and analysed.

Benefits

- A more precise overview of the mining operation is provided through enhanced data granularity and in-depth information. This allows costs to be reduced through improved resource allocation and shift management.

- Dynamic reporting allows key personnel to make timely decisions as an event or activity is unfolding, minimising risks and ensuring that deviations to plans are avoided.

- Increased safety levels are achieved by knowing in real-time the status of personnel, and the issuing of signs and permits.

- Improved safety processes are supported through real-time awareness, a single zone of responsibility, and reduced paperwork and stress on supervisors.

PITRAM REPORT **PITRAM CONTROL** PITRAM OPTIMUM PITRAM FLEET MANAGER

Pitram's on-board computer provides mine site information to the Pitram Control Room.

Features

Pitram Control includes all the functionality of Pitram Report. Additionally, the following features are available within Pitram Control:

- Control room data acquisition and visualisation provides live tracking and visualisation of a mine's assets including personnel, equipment and mining locations.
- Pitram Control includes a mobile computing platform which integrates field hardware and software with GPS, tags and onboard systems. By providing this type of mobility, Pitram offers operator specific equipment and production information.
- Safety management is enhanced through a fully integrated Signs and Permit module which tracks personnel working in dangerous areas of the mine by recording the location and reason for placement of all signs. The module also monitors permits issued for work in these areas.
- The Drill and Blast module allows users to plan, schedule and monitor ore extraction from production locations.
- Material flows and grades are consistently tracked and reconciled throughout the entire operation by the Grade Control module.

Flexible and Scalable Solution

Because all mining operations are different and have varying needs, Pitram Control is a flexible solution that can be adapted according to an operation's specific requirements. This means that no matter how large or small an operation is, where the site is located, or what commodity is being mined, Pitram is suitable for all operations.

Pitram uses the same production and reporting database for its entry level Pitram Report solution as it does for its high-end automated Pitram Optimum solution. The value in the software, training and the work invested in implementing the original solution is therefore retained when an operation upgrades to a more advanced Pitram solution.