Pitram is a fleet management and mine control solution that records, manages and processes mine site data in real-time. As a scalable solution, it is suitable for underground and surface mine construction, development and production.

Pitram records data related to equipment, personnel and materials, providing an overall view of the current mine status and therefore enabling improved control over operations. Greater control allows sites to increase production, reduce costs, and improve safety and business intelligence.

Pitram’s sophisticated yet intuitive functionality makes it ideal for any mining environment. It has been implemented at more underground sites than any competitor product, and is increasingly popular with sites using automated practices.

**Reduce costs and increase production**
Pitram provides a comprehensive view of a mine’s activity, enabling fast and informed decision making.

**Comply with mining plans and performance targets**
The Shift Planner module and its reports improve resource allocation and asset utilisation.

**Optimise mine development**
Achieving the maximum possible development advance for the firing that meets the design specification is essential to maximising productivity.

**Provide and maintain a safe working environment**
Pitram helps minimise, isolate and eliminate risks.

**Achieve high face utilisation**
Pitram’s ability to assist clients achieve high face utilisation is unique to the solution and essential to increasing the rate of mine development and mine production.

**Increase control**
Pitram acts as a central location for data from different sources, providing easy access to more information.
Since its implementation, Pitram has assisted Cayeli to double the amount of mine activities achieving targets. Of the mine activities monitored, there has been a 10% average increase in productivity.

Phil Jay, Mine Manager, Cayeli Bakir Isletmeleri, underground copper and zinc

Materials Management
Materials Management utilises mine design, survey and production data to provide real-time stockpile balances and metals stocks throughout the mining operation.

Drill and Blast
Drill and Blast Management is an application that provides tools to better plan, schedule and manage drill & blast operations on a site.

OLAP Analysis
OLAP Analysis performs a multidimensional analysis of operational mining data.

Activity Sheet
Activity Sheet allows a mining operation to capture and track key mining activities including development, face advancement and production, via paper (PLOD) sheets.

Shift Planner
Shift Planner reflects the dynamic nature of a mining operation, allowing the planned work for equipment, mining locations, tasks or activities to be rescheduled or re-allocated in real time during the shift.

Controlled Areas
Controlled Area Management improves safety by monitoring access to restricted areas and alerting supervisors when authorised duration is exceeded.

3D Mine
3D Mine tracks the current position and status of all equipment and personnel.

Fleet Management
The Fleet Management system supports the collection of data directly from the equipment or operators using Pitram Mobile and Pitram Tablet devices.

Surface Optimiser
Surface Optimiser is used to recommend and automatically dispatch the haul fleet based on the requirements of the mine.

PRIS
Pitram Restful Integration Services (PRIS) allows third party software application to submit and retrieve Pitram information without having to directly access the Pitram database.

Mobile
Pitram Mobile runs on a touchscreen tablet installed in the cab of equipment units that are part of a mobile fleet. These devices allow the equipment operator to quickly enter data as well as automatically receive data via various sources and interfaces.

Machine Guidance
Machine Guidance has been designed to improve the productivity, utilisation, accuracy and safe working of surface equipment, from dozers and drills to dredges.

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