

ACHIEVE BUSINESS SUSTAINABILITY & OPERATIONAL IMPROVEMENT GOALS

Provide your team with a mine management solution that focuses on tracking and controlling your personnel, processes and assets.

Built on a highly flexible and scalable framework, Pitram integrates into your mining processes and provides a holistic solution for all your mining information needs.

Pitram achieves a rapid return on investment by offering more than fleet management and a range of deployment options.

Micromine's Pitram helps mining operations to:

- Maximise operational productivity and performance
- · Centrally manage the hazardous mining environment
- · Comply with mining plans and regulatory obligations

Your Team

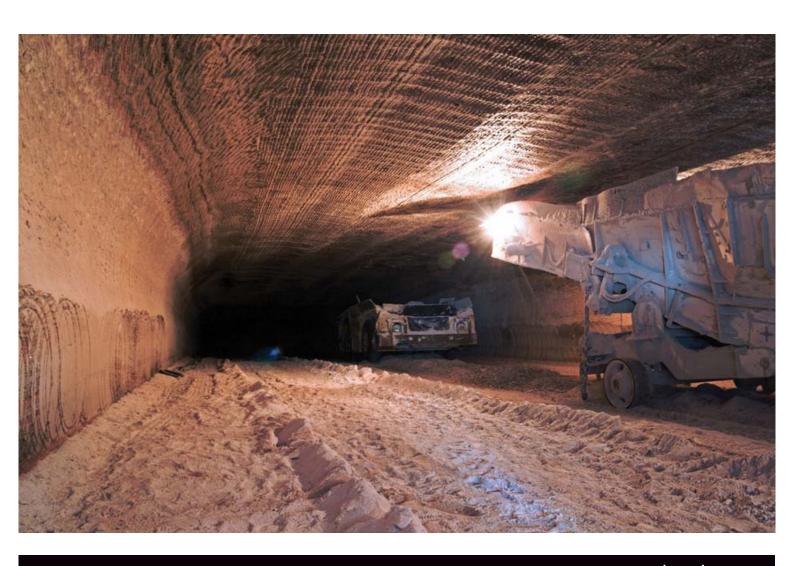
The right information, the right way, the right time

Your Process

Flexible, scalable and integrated

Your Mine

One solution to report, plan and optimise



MAXIMISE OPERATIONAL PRODUCTIVITY AND PERFORMANCE

The mining operation consists of more than equipment; there are also people, material, processes and systems. Pitram consolidates all of this information to generate a comprehensive real-time view of the mine and deliver actionable information to the right people.

- Achieve production quotas by continuously monitoring and optimising the mining resources and promptly identifying poor performing assets.
- **Optimise ore extraction** by understanding the material flow, accounting for material inventories and reconciling material movements from the mine to the plant.
- Save time for your managers and engineers by using a single validated data store and automatically generating management reports. One version of the truth.
- Continually optimise the fleet by analysing wait times and dispatching equipment to improve efficiency.

COMPLY WITH MINING PLANS AND REGULATORY OBLIGATIONS

Personnel should be focussed on performing the right job, at the right time, in the right way. Allow managers to focus on people and real business issues by reducing administration and reporting tasks, and providing them with a tool to monitor conformance to plans and KPI's.

- **Minimise plan variations** by monitoring its progress in real-time. Supervisors can make better decisions by visualising the impact on the overall plan when it is integrated into the working environment.
- Comply with obligations by tracking and monitoring critical tasks. Managers are informed immediately when thresholds are exceeded.
- Manage costs by maintaining an accurate baseline of effort and materials against every activity. Feeding the planning cycle accurate information will produce better plans, budgets and overall results.

CENTRALLY MANAGE THE HAZARDOUS MINING ENVIRONMENT

From shift to shift, the mining environment is constantly changing. Provide and maintain a safe working environment by ensuring that personnel always have a real-time view of the mine.

- Track personnel movement through a centralised control room which can provide assistance and direction in an emergency.
- Monitor controlled and barricaded areas by limiting access to unauthorised personnel and tracking entry and exit by authorised personnel.
- Only allow qualified personnel to operate equipment and perform hazardous tasks by tracking their qualifications, certifications, work permits and licences.



www.micromine.com

MICROMINE Corporate 174 Hampden Road Nedlands WA 6009 Australia T: +61 (0)8 9423 9000 E: mm@micromine.com



Micromine Africa

Tel: +27 11 514 0860 mmafrica@micromine.co.za

Micromine Brazil
Tel: +55 31 3347 5904
mmbrazil@micromine.com

Micromine Canada Tel: +1 (604) 646 8924 mmcanada@micromine.com

Micromine Chile Tel: + 56 (2) 657 1642 mmchile@micromine.com **Micromine China**

Tel: +86 10 5907 0556 mmchina@micromine.com

Micromine Indonesia
Tel: +62 21 7590 5333
mmindonesia@micromine.com

Micromine Kazakhstan Tel: +7 727 227 90 73 mmkz@micromine.com

Micromine Mongolia Tel: +976 7011 3889 mmmongolia@micromine.com Micromine Russia

Tel: +7 (495) 665 4655 mmrussia@micromine.com

Micromine Turkey
Tel: +90 312 241 5571
assiyok@micromine.com

Micromine Ukraine Tel: +380 44 332 3858 ababynin@micromine.com

Micromine United Kingdom Tel: +44 (0) 203 176 0080 mmuk@micromine.com