



Lamproom Asset Management Solution (LAMS)

Utilises technology and data-driven insights to streamline asset movement monitoring, access control, asset allocation management, and regulatory compliance in an all-in-one IoT and mining lamp room operations.

Empowering Operational Excellence

By improving asset visibility, ensuring compliance with regulatory requirements, and enhancing worker safety and productivity, our solution empowers mining companies to achieve operational excellence, mitigate risks, and drive sustainable growth in the lamp room management domain.



The Schauenburg Smartmine IoT Solution

SmartMine IoT is an all-in-one IoT and data analytics platform that is revolutionising the mining industry with its open architecture software. By turning device/asset data into insights SmartMine gives you a bird's eye view of all your mining operations, enabling smarter, quicker and more data driven decisions making for a smarter and more productive tomorrow. Experience the future of mining - Today

SMARTMINE IoT - LAMS BENEFITS



Efficiency and Productivity:

SmartMine IoT optimises lamp room operations by automating asset allocations, access control and equipment/personnel health checks for shifts, significantly reducing downtime and manual effort, thus boosting overall efficiency and productivity.



Data-Driven Decisions:

With near real-time data analytics, SmartMine IoT enables informed decision-making, by collecting and analysing data related to asset management and access control, allowing for the efficient allocation of resources and timely interventions in lamp room management.



Remote Monitoring and Control:

SmartMine IoT facilitates remote monitoring and control of lamp room assets, providing instant insights, quick responses and the ability to manage operations from anywhere, enhancing operational agility and responsiveness.



Asset & Access Management



IMPI



ROXY 40 SCSR



GDI



GDI Smart Wear



Cap Lamp



GDI SmartConnex

LAMS in a nutshell:

Manages assets for the lamproom including Caplamps with or without PDS, GDI Sentinel and SmartConnex/ SmartWear, SCSR (Self Contained Self Rescue) Packs, etc.

Also be used to manage vehicle asset information and other equipment on site.

SmartMine IoT - LAMS Benefits

Safer Working
Conditions

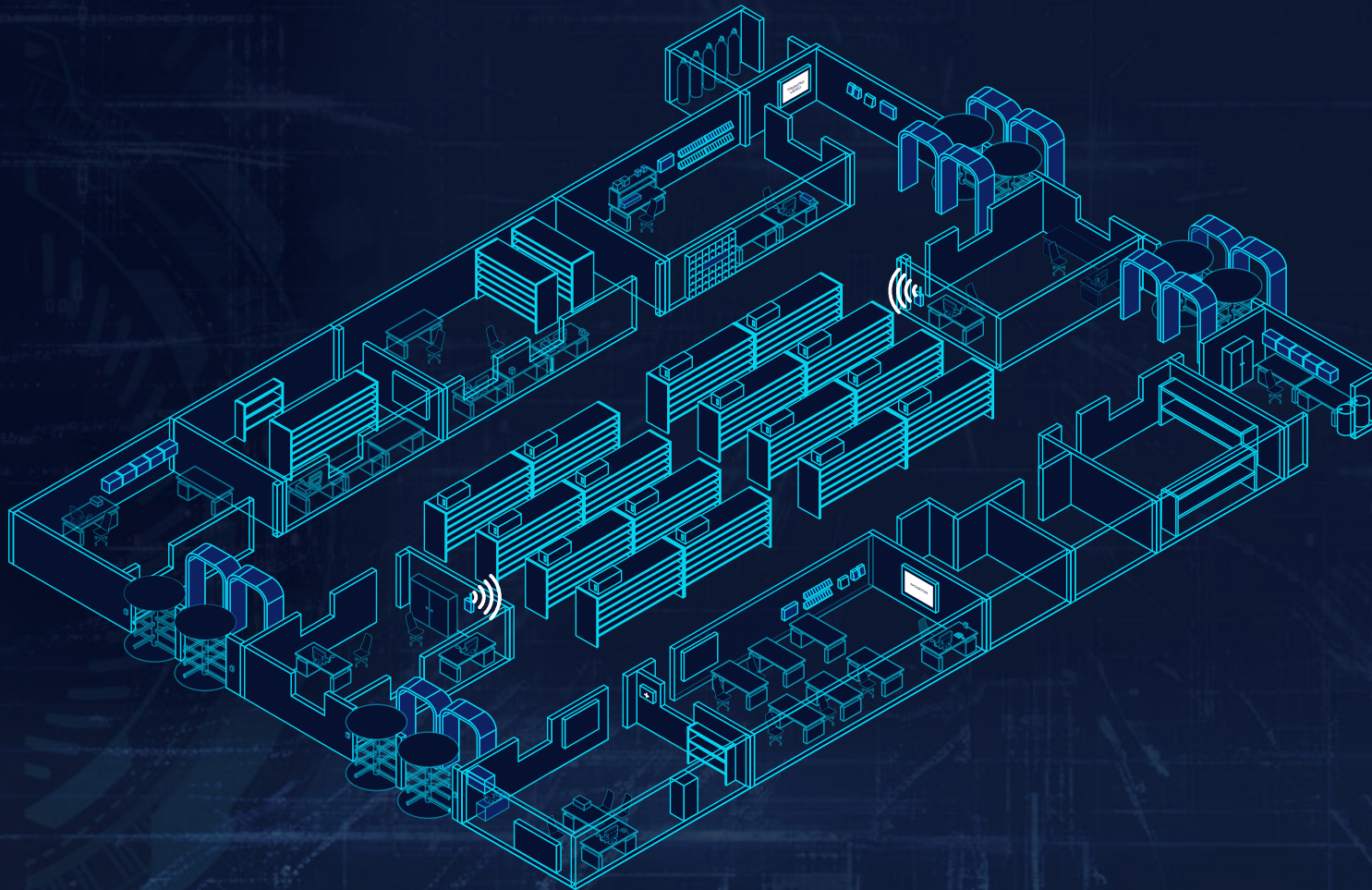
Correct Allocated
Equipment

More Productive
Mining Operations

More Sustainable
Mining Operations

Enables Compliance

Improve
Safety, Efficiency &
Cost-Effectiveness



- 1 Lampsman Administration Office
- 2 Visitor Training & Induction Facility
- 3 Personal Protective Equipment Issue & Control Bay
- 4 Cap Lamps & SCSR Self-Service Square
- 5 Gas Detection Instrumentation Issue & Control Bay
- 6 Cap Lamp and SCSR's Spare Issue & Control Bay
- 7 Equipment Repair & Service Centre
- 8 Special Equipment Issue & Control Bay
- 9 Automated Access & Asset Management System
- 10 Instrumentation Testing Area
- 11 Control Room or Underground Control Terminal
- 12 Gas Cylinder Storage Compartment
- 13 Lamproom Store Room
- 14 Time & Attendance

SmartMine IoT - LAMS Dashboard Benefits

Customisable Alerting:

Customisable warning thresholds for different mining scenarios, ensuring a tailored solution for their specific needs.

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Scalability:

Suitable for mining operations of all sizes, from small scale operations to large, open-pit mines.

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Data Logging and Reporting:

The system records various events enabling post-incident analysis and reporting to enhance safety protocols.

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Integration Capabilities:

Can be seamlessly integrated with existing mining systems.

LAMS Dashboard in a nutshell:

An all in one portal that streamlines activities/work of lamproom operators and attendants. Digitizes asset, equipment & personnel information, and digitalise processes for allocating assets, managing access control, and monitoring asset movements.

Safety and Security:

Near-Real time monitoring of equipment and personnel access control and efficient Asset/Equipment Allocation Management ensuring safe and secure working environment.



LAMS Solution features

Movement Status

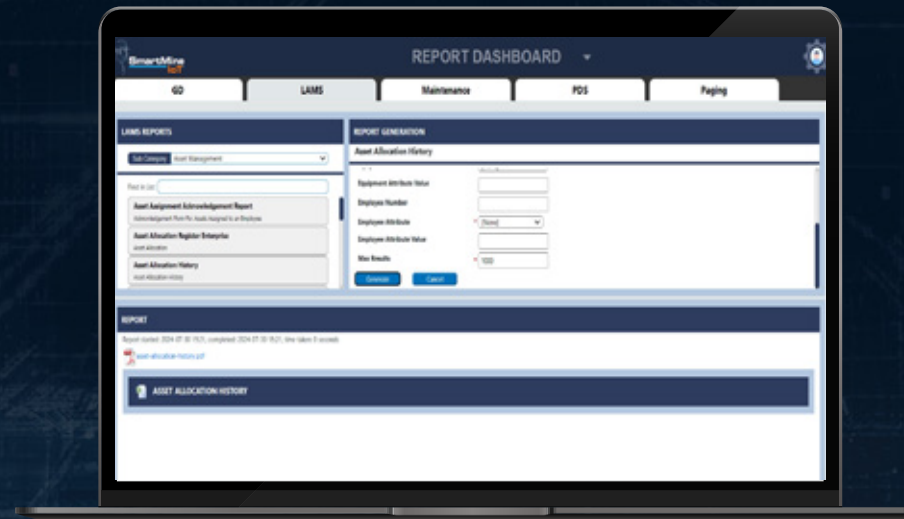
- Showing the last movement of persons through the gates via
- Clocking Events
- Movement Status Events
- Movement Summary Events



- Monitoring of Asset Movements
- Allocating of Assets to miners
- Testing and Calibrations of Assets
- Access Control to and from the Lamproom
- Multi-shift Protection for Safety
- Notification on Alerts via e-mail and Whatsapp
- Asset Acknowledgment Report when allocating assets
- View Allocation History for Asset allocations

Reports

- Legacy Mimacs Reports
- SmartMine Reports
- To Manage Access Control & Asset Management



LAMS Solution features

Receive Warning and Critical Alerts

- GDI Testing & Calibration
- STEL & TWA Events
- Non Returned Assets
- Off-line Gates
- Movement Rates
- Inspections & Expirations



Connect - with 3rd Party Assets

- Use of 3rd party asset data for access control



SmartMine Lamproom Asset Management Solution

Empowering mining companies to mitigate risks, protect personnel and assets, manage access control and increase operational efficiency in the Lamproom.



Occupational Safety Solutions

Collision Awareness Solution -
Underground

Collision Awareness Solution -
Surface

We can build it

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