OneMine

A flexible fleet monitoring system

Epiroc

OneMine is a versatile fleet control solution designed to unify and optimize mining operations, regardless of equipment brand or type. It brings together data from across the fleet to give a clear, centralized view of what's happening on site. With features that support better planning, real-time visibility, and faster decision-making, OneMine helps you optimize productivity and stay agile in changing conditions.

⊕ Main benefits

Real-time operational status of equipment – Stay informed and respond quickly to any issues.

Production information and progress monitoring – Measuring average ore grade estimates and ensuring alignment with shift plans and production targets.

Automatic location and utilization of the fleet – Improve coordination and reduce downtime across the site.

Discover how OneMine can enhance the efficiency and profitability of your operation

OneMine was designed with versatility in mind. It works universally across different types and brands of equipment, meaning mining operations don't have to worry about compatibility or costly integrations.

At the core of the system is the edge node — a field computer installed directly in the machine. This device is responsible for collecting and processing key data from the machine and then channelling it into the server in real time if the connectivity allows it.
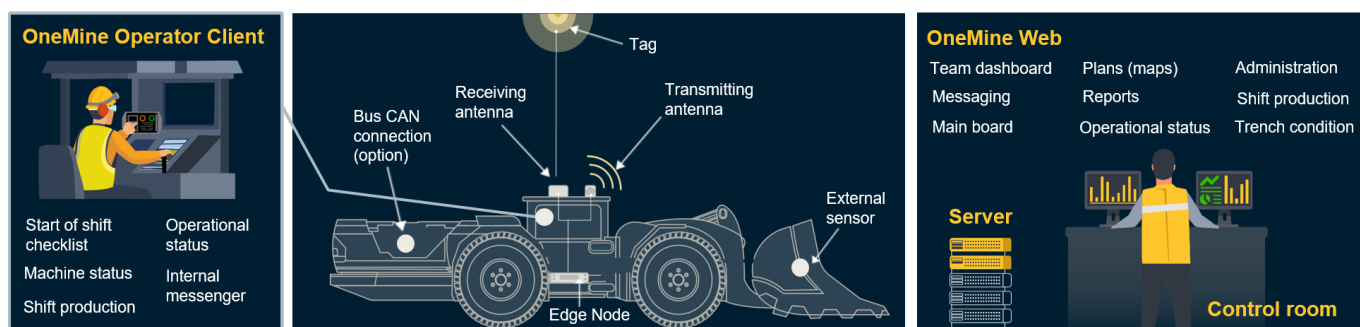
This approach allows operations to unify data from a mixed fleet, no matter the manufacturer, and have a clear, centralized view of what's happening on the mine.
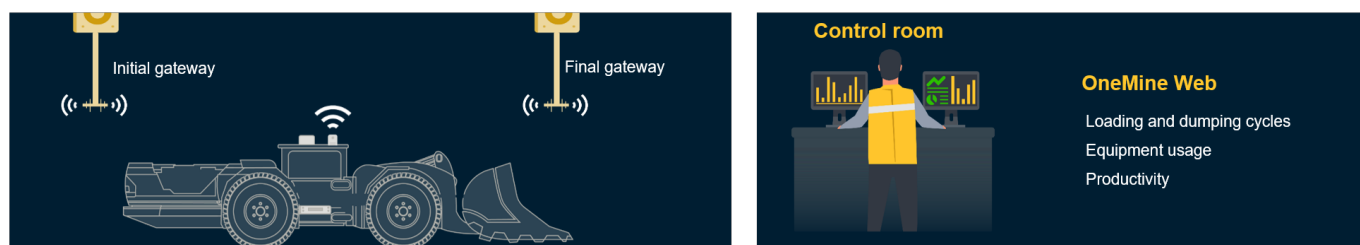
The OneMine ecosystem

OneMine is a scalable and flexible fleet monitoring solution designed to deliver real-time insights from the mine to the control room. It supports multiple data collection methods, ensuring seamless operation even in mines with limited connectivity. If full connectivity isn't available, the machine stores data for up to 30 days, transferring it via a proxy device or when it passes through a connected zone.

With this continuous data flow, teams can track progress, follow up on plans, and optimize operations where needed.

For operations seeking a more targeted approach, OneMine Cycles Counting offers a cost-efficient alternative. This scaled-down version automatically tracks loading and dumping cycles, helping teams monitor equipment usage and productivity in real time, without the need to invest in the full OneMine system.

OneMine Operator Client

Start of shift checklist
Operational status
Machine status
Internal messenger
Shift production

Tag
Receiving antenna
Transmitting antenna
Bus CAN connection (option)
External sensor
Edge Node

OneMine Web

Team dashboard	Plans (maps)	Administration
Messaging	Reports	Shift production
Main board	Operational status	Trench condition

Server

Control room

OneMine Cycles Counting

Initial gateway
Final gateway

Control room

OneMine Web

Loading and dumping cycles
Equipment usage
Productivity

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Performance unites us, innovation inspires us, and commitment drives us to keep moving forward. Count on Epiroc to deliver the solutions you need to succeed today and the technology to lead to tomorrow.
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