GET Trakka

Provides both immediate GET (teeth & shrouds) loss alarms and the ability to locate lost components on the ground.

Epiroc

GET Trakka was created through extensive research, collaboration, and testing with mine sites. It provides the ultimate solution to detecting broken and lost GET in real-time to prevent crusher events and machine downtime.

- GET loss alarms
- Prevent crusher downtime events
- Locate lost GET
- Safety and prevention
- Tooth and shroud loss detection and recovery



The most advanced productivity solutions

GET Loss Detection

The GET Trakka solution is the only product package offering GET detection both on and off the bucket. Using embedded sensors and intelligent engineering, the GET Trakka solution gives you the GET control you've never had access to before. The system provides real-time in cab alarms to ensure the operator can make effective on-the-spot decisions to ensure your mine site reduces crusher events, equipment downtime and increases productivity. Undetected GET losses can lead to catastrophic crusher events causing costly mine site delays.

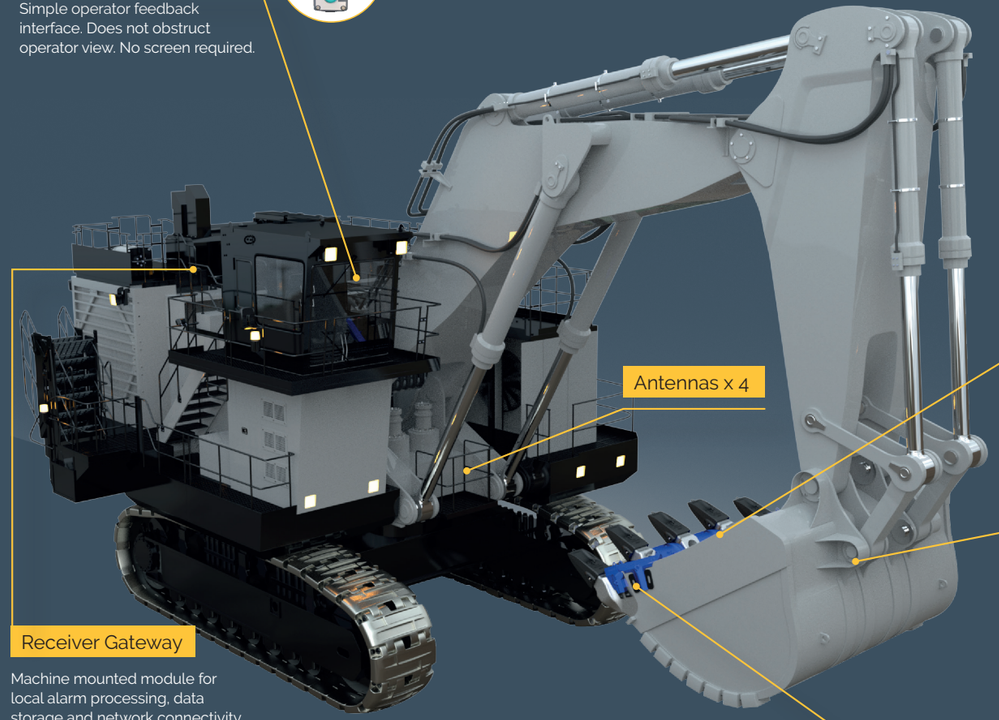


Example of broken GET



In-cab Alarm Module

Simple operator feedback interface. Does not obstruct operator view. No screen required.



Antennas x 4

Receiver Gateway

Machine mounted module for local alarm processing, data storage and network connectivity.

Shrouds



Sensor inserted into GET which allows detection

On the bucket/machine

GET sensors communicate with Receiver Gateway to detect GET loss events

Off the bucket

When GET goes missing, the Portable Reader is used to rapidly locate the missing component

Portable Reader

This tool is used to activate GET sensor and search for lost GET.



GET Sensors in Shrouds and Teeth

Rugged sensors operating from below freezing to extreme heat provide core platform for lost detection and advanced GET analytics

Dipper Sensors x 2

Long life sensors for monitoring bucket movement and bucket change out

Safety and Prevention

GET loss events are a significant hazard for site personnel. If the GET enters crushing equipment it can be ejected at high velocity or become jammed.

Removing uncrushable material from crushers is a high risk activity often requiring direct oversight from Mine Management.

On the machine, continued digging after a GET loss exposes the lip to premature wear. A machine can dig for several hours before a loss is identified when there are no effective alerting methods.

GET Trakka delivers timely detection and alerting of loss events to prevent the GET from entering the crushing plant. Its search capability means rapid recovery of the detached component, minimizing premature wear and costly machine downtime.

Loss prevention is made possible through;

- timely detection
- recovery of detached components
- data recorded and reported for each loss event
- GET campaign life management



Risk Management by Remote Monitoring and Reporting

Real-time GET Trakka dashboard provides remote capability for loss event monitoring and alerts. This means faster response times to loss events and quicker return to production.

Detailed loss event reporting and regular system performance reports provide exceptional insight for optimal GET management.



Targeted reporting to provide actionable information

- Dashboard for immediate response
- Loss event review for corrective action (teeth & shrouds)
- Performance monitoring for maximum availability



GET Trakka excels over vision-based systems and manual methods for preventing crusher events in mining. Trakka's sensors offer reliable tooth and shroud loss detection unlike vision systems affected by lighting, limited visibility, and other uncontrollable environmental aspects at mine sites.

Manual inspections are time-consuming and error-prone, whereas Trakka's alerts enable immediate action. Its Portable Reader aids in precise lost component location, reducing downtime.

GET Trakka is a future-oriented solution for mine safety, reliability and data management. It is well suited to meet the needs of advanced mining operations now and into the future.

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Epiroc

(+61) 1800 987 525
globalsales@crmining.com
(+1) 866 276 4637
epiroc.com