CR DIGITAL
MINING BY NUMBERS

MINING TECHNOLOGY SOLUTIONS

GET.Trakka
GET MONITORING

GET Trakka provides both immediate GET loss alarms and the ability to locate lost components on the ground.

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
- Locate lost GET
- Prevent crusher downtime events
- Safety and prevention

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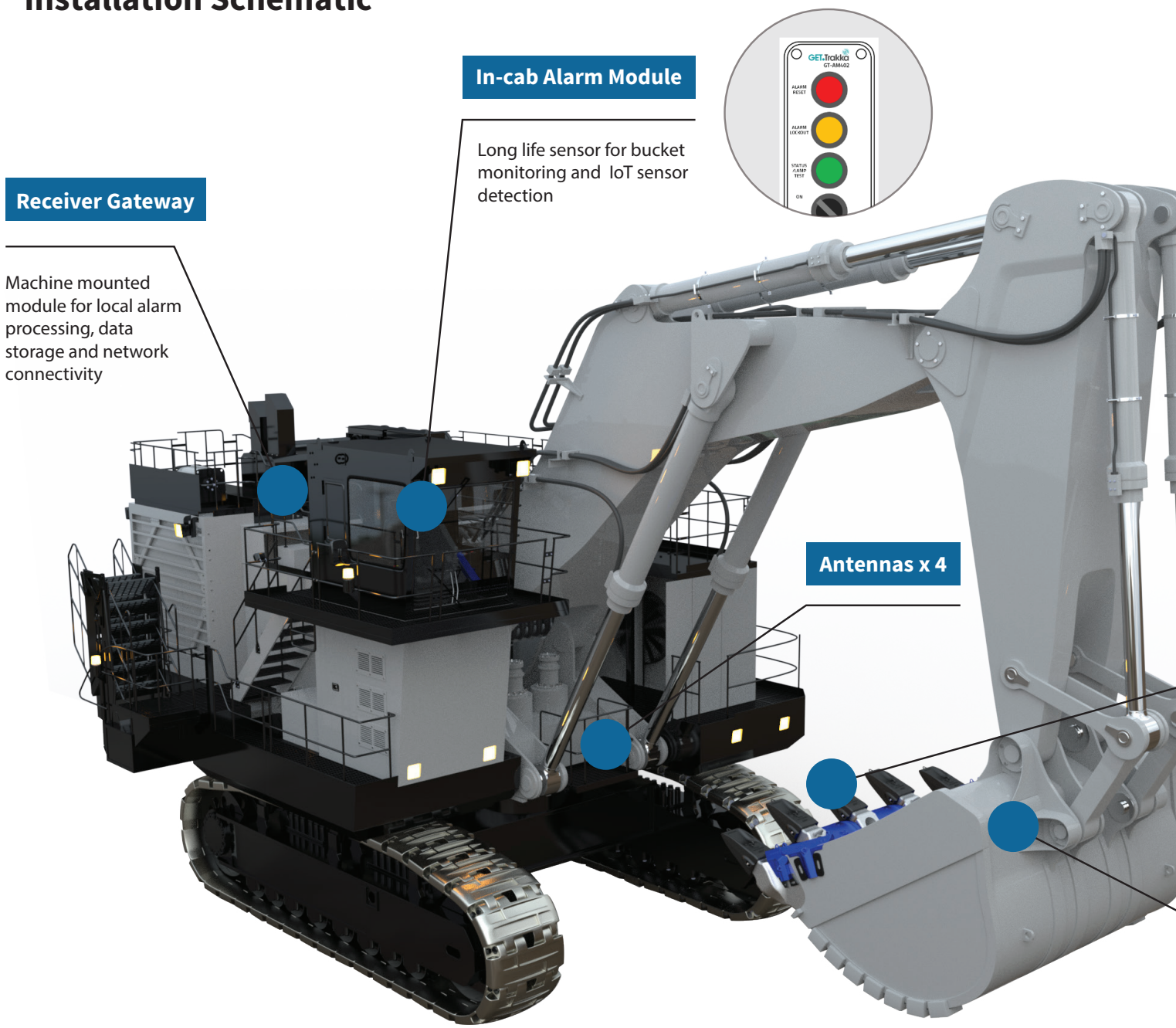
THE MOST ADVANCED PRODUCTIVITY SOLUTIONS

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 closures and delays.


Example of broken GET

Installation Schematic



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Sensor inserted into GET which allows detection

On the bucket/machine

Rugged embedded IoT GET sensors communicate with machine gateway to detect if GET is still locked in position

Off the bucket

When GET goes missing, the portable reader can be activated to rapidly establish the location of the missing component

Portable Reader

Hand-held device
for sensor activation
and GET locator search

GET IoT sensors

Rugged wireless sensor suits all GET component types including teeth, lip shrouds and wing shrouds. These IoT sensors move information from the GET to our CR databases.

Bucket Sensors x 2

Long life sensor for bucket monitoring and RFID identification

Safety and Prevention

GET loss events can present significant safety issues to those retrieving the GET
With GET Trakka's immediate alarm notifications, rapid action can take place and GET can be retrieved easily and without injury.

Continued digging after GET losses exposes the lip to premature wear. GET Trakka allows rapid GET loss detection and ensures the machine stops digging and new GET can be installed before digging recommences, saving on costly maintenance.

GET Trakka detects GET before it reaches and damages crusher machines which prevents downtime and increases overall productivity.

- **Breakage alarm**
- **Eliminate crusher events**
- **Reduced hours of in-pit exposure**
- **No dangerous GET extractions in Crusher**

PRODUCT ANALYSIS & REPORTING

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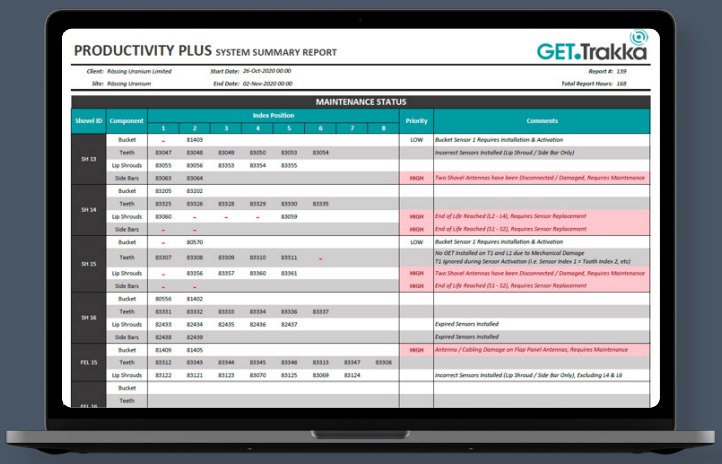
High value digging and haulage data is captured by the network of wireless sensors. GET Trakka™ provides tracking reports on individual loss events and the times and locations these occurred to enable a root cause analysis of the breakage.



Other reports can consist of individual component data, change out times and the operational effectiveness of your GET. Customers also have access to a dashboard that displays custom GET data to help with your data driven decisions and applications.

Schedule reports to provide actionable information:

- Maintenance Scheduling
- GET Loss Events
- Performance Benchmarking
- Productivity

	Production	Maintenance
Bucket Scoops	✓	✓
Machine Performance	✓	✓
Maintenance Planning		✓
GET Breakage	✓	✓
Mine & Plant Uptime	✓	
GET Change Out interval		✓
Operator Efficiency	✓	
GET Component Reliability		✓
GET Usage		✓
Predicted Change Out		✓
GET Metrics	✓	
GET Digging Temperature	✓	✓
High Impact Events		✓
Truck Cycle Times	✓	

CR Digital is transforming mines with cutting-edge technology.
We develop industry-leading digital technology solutions for the mining industry, working together with the world's best miners towards a safer, more productive, and sustainable future.

Start the conversation

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