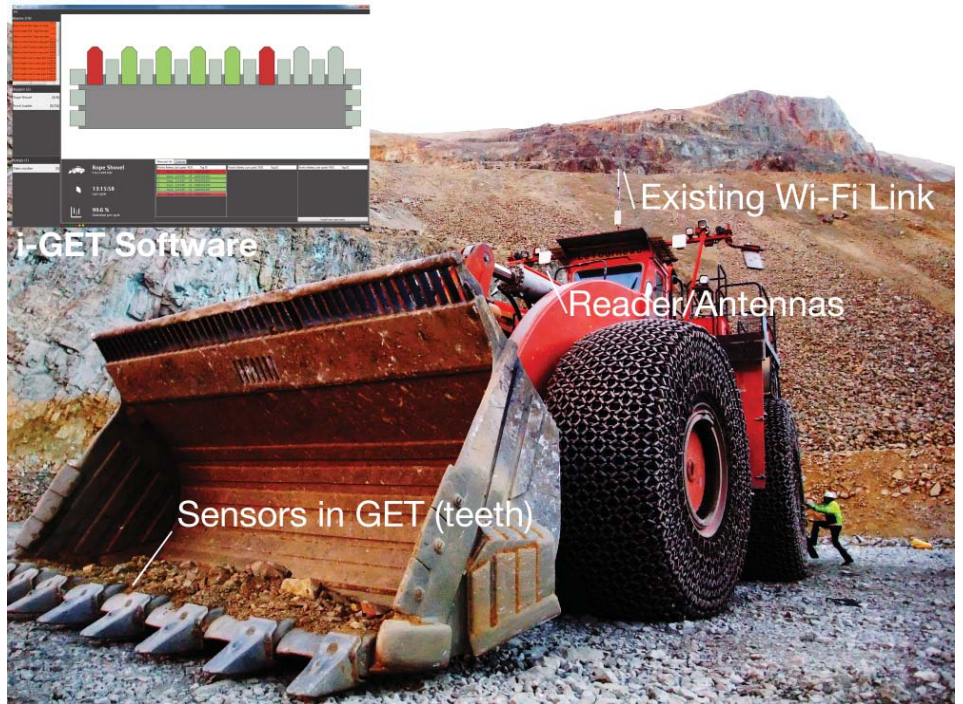




INTELLIGENT GET i-GET

i-GET is a ground breaking system developed to specifically address both a safety and a multi-billion dollar mining industry challenge.

Frank Wehus, General Manager,
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IDENTEC SOLUTIONS



BENEFITS

- 1-3 day Return On Investment
- Drastically improved safety
- Significantly reduced waste & increased production
- Real-time sensing of GET
- Ideal for all type of earthmoving equipment
- Crusher downtime substantially reduced
- Maintenance free
- Quick and easy installation

WHAT ARE GET?

Ground Engaging Tools (GET) are large and heavy, hard steel wear components attached to loading buckets on mining digger machines. Designed to penetrate the earth and protect the loading buckets from wear and damage, GET components are subject to massive stress and impact forces. Even with periodical maintenance, GET can break off and end up in the ore and transported to the crusher.

INTRODUCING THE INTELLIGENT GET

A technological breakthrough, IDENTEC SOLUTIONS' i-GET enables the world's first intelligent GET component monitoring. This highly innovative, patent pending solution essentially solves the problems related to broken or missing GET, including safety hazards, extended downtime, equipment damage, ore wastage and production losses.

The key innovation is a micro-sized, wireless sensor embedded directly inside the GET's steel casing which allows accurate real-time monitoring even during the harshest dig, load and haul operations.

Consistent and reliable, the sensors transmit GET "health status" updates back to on-machine readers fitted to excavation equipment. GET components are monitored in real-time and if a component breaks off or is missing, an alarm is instantly triggered. For heavy machines and portals, light and sound alarms are available.

In the event a GET goes missing it can be immediately located as it continues to transmit a unique radio signal, even when buried in ore (avoiding ore wastage, operational delays and production loss). The tags have full read and write data capability enabling GET information sensing. For increased control, times and events unique to each component can be stored and retrieved at any time.

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Increased site safety. Reduced equipment down-town.

Optimized workflow.

Real-time alerts are issued to a screen installed in the digger operator's cabin as well as other infrastructure to inform management and operations in case of an event. Once the operator receives an alert, the digger with the damaged GET ceases work, the damaged GET is retrieved and mining operations recommence.



Completely scalable, further applications are available for installation.

Human operator visual confirmation, CCTV camera with object recognition software and other applications can be added according to needs.



FEATURES

- No change to current operational procedures required
- Real-time detection of lost GET in ore
- Fail safe monitoring system
- Automated identification and reports of all vehicle operations
- Automatic alarms
- Improved mining site maintenance

There is no need to change the existing GET removal or fitting procedure.

The unique design enables i-GET sensors to survive extremes of temperature, pressure, shock, and vibration at the mine. With a lifespan of 12 months, the sensors easily outlast all consumable wear components.

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