

Product Information Note

Mobile Equipment Monitor: Change the Rules of your Equipment Maintenance



Maximize production and reduce maintenance costs with continuous online equipment monitoring.

Mobile Equipment Monitor (MEM) lets mining companies monitor the health and performance of their heavy equipment in real time. It provides a single system to monitor equipment from any OEM, whether mobile or fixed equipment. MEM scales to meet the needs of a single mine site or to support multiple mine sites around the world from a central operations center. It enables remote access to equipment data and allows for immediate visibility and analysis of equipment performance through dashboards, user-defined KPIs, and alarms to facilitate immediate action. Advanced users can benefit from predictive analytics and supporting inputs for reliability-based initiatives.



Industry Challenges

Primary drivers of mine success include:

- Increasing safety
- Reducing cost per ton
- Minimizing operating and maintenance costs
- Maximizing maintenance value

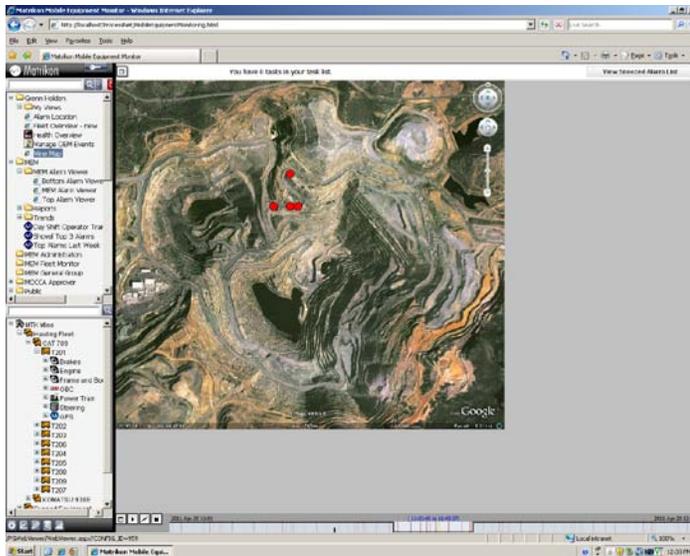
Extracting the greatest value from equipment is a critical element of cost reduction. Equally important is the need to gain the greatest value from people by capturing and transferring knowledge from senior employees to their less-experienced colleagues.

The Solution

Mobile Equipment Monitor collects all available alarms and operating data from the equipment's on-board systems and transmits this information over the mine's wireless network to a central database. This provides immediate analysis of equipment performance and operation, supporting remote diagnostics and early notification of developing faults before they result in downtime or collateral damage to the equipment from a catastrophic failure.

Features

- Collects all the data all the time
- Supports mobile or fixed plant equipment
- Remotely monitors OEM-based equipment alarms and events in near-real time
- Creates monitoring rules to identify events and alarms not included in OEM set
- Monitors status of the whole fleet (including stationary assets) with a single system
- Trends equipment operating parameters in near-real-time to identify performance trends and diagnose faults
- Trends multiple pieces of equipment on a single graph to facilitate diagnostics and benchmarking
- Develops predictive maintenance models to identify developing faults before they result in downtime
- Integrates with existing on-board systems such as tire monitoring to provide a standard gateway for transmitting data (e.g. tire monitoring, fuel, lube system)
- Integrates with enterprise systems such as maintenance management, dispatch, SAP, oil analysis, etc.
- Maintains years of history online for long-term reliability analysis



Mobile Equipment Monitor allows you to track your mobile equipment by its location on site.

Benefits

Decrease Maintenance Costs

Be proactive in your maintenance and reduce catastrophic failures, emergency work and parts costs.

Increase Equipment Availability & Reduce Production Losses

Find hidden production potential by increasing your equipment availability.

Improve Operations

Meet availability & reliability targets through the identification of operator improvements and prevention of equipment mishandling

Reduce Capital Costs

Protect your investments and reliably extend the life of your assets.

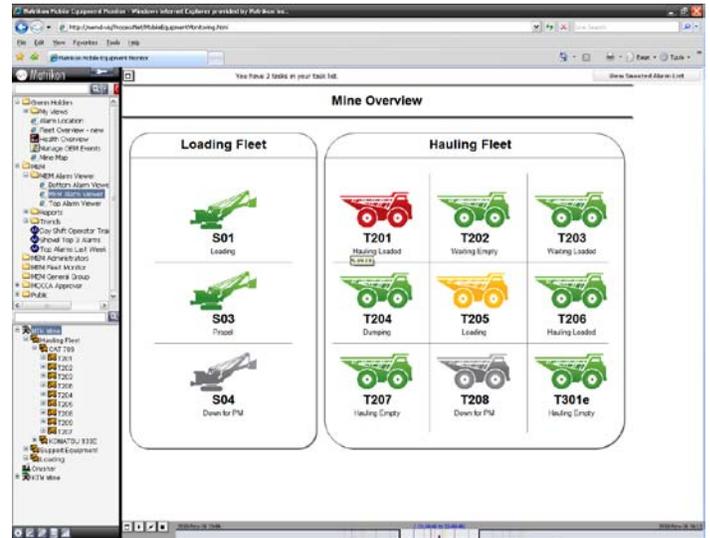
Enhance Safety

Have the visibility into your equipment health to see compromising situations before they affect your employees, operations or environment.

Mobile Equipment Monitor

Mobile Equipment Monitor solutions include:

- Mobile Equipment Monitor Software Server
- Data Logger
- Global Services



View your entire fixed and mobile equipment fleet with visualization dashboards.

Mobile Equipment Monitor Software Server

Mine Base Station provides engineers with a complete toolset for real-time monitoring and long-term analysis of the health and performance of equipment. The Base Station software runs on the server hardware and provides:

- monitoring and analysis of OEM alarms, events and user-defined alarms
- trending of operating parameters from the equipment
- configurable dashboards and key performance indicators to easily track information important to maintaining the equipment in optimum condition
- sophisticated analysis of equipment performance and long-term trends
- predictive modeling tools to identify developing faults
- detailed, user-defined reports to gain insight into equipment and operator performance
- support for multiple sites and remote operating centers
- interfaces to most mobile and fixed equipment

Data Logger

The Data Logger is a high-reliability computer that provides on-board data collection for use on any mobile equipment. The Data Logger interfaces with the equipment's electronics to collect alarm and sensor data and forwards it through the mine's wireless network. It stores weeks of data on-board to ensure that no data is lost during wireless communication interruptions. An optional GPS provides location data when no external GPS source is available. Interfaces are available, or can be developed, for any equipment.

Global Services

This product comes with worldwide, premium support services through our Benefits Guardianship Program (BGP). BGP is designed to help our customers improve and extend the usage of their software applications and the benefits they deliver, ultimately maintaining and safeguarding their software investment.



For More Information

Learn more about how Honeywell's Mobile Equipment Monitor can help you decrease maintenance costs visit our website www.honeywellprocess.com or contact your Honeywell account manager.

Honeywell Process Solutions

Honeywell
1250 West Sam Houston Parkway South
Houston, TX 77042

Honeywell House, Arlington Business Park
Bracknell, Berkshire, England RG12 1EB

Shanghai City Centre, 100 Junyi Road
Shanghai, China 20051

www.honeywellprocess.com

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