

The Intrinsic Value of Intelligent Asset Management: Protection, Productivity and Profit

Mining, freighting and other industries operating under extreme conditions rely heavily on communication and consistency to keep business running smoothly. Access to reliable, real-time information is essential, yet the efficient flow of information across teams and machines remains one of the largest challenges these organizations face.

Octagon TRAKR, the new intelligent GPS tracking and control device for the Internet of Things (IoT), provides instant insight for strategic operational improvements. Now organizations can proactively protect drivers and assets while increasing control over productivity and profits.

Protect People and Equipment with an Instant View of Asset Positions

Hazardous conditions and mechanical issues are part of doing business, and there's always much at stake. Timely and accurate information related to location, speed, position and condition of mobile assets can alert management to the potential for compromised safety, affording drivers a little extra time to avoid danger.

TRAKR, the rugged Asset Tracking Platform from Octagon Systems integrates easily with FMS and IoT software to help mining and industrial operations reduce risk through real-time, ongoing information sharing between people and equipment:

- Geo-tracking and geo-fencing enable dispatch to alert drivers of impending danger, preventing collisions and keeping vehicles on the road
- 9-axis motion sensor (accelerometer, gyro, compass) alerts management of unsafe driving habits before accidents happen
- Automatic alarms directly alert drivers of potential issues
- Built-in support for high-power, wide range Wi-Fi, cellular, Ethernet and radio technologies provide dependable communications to any outdoor or indoor network infrastructure


Understand and Respond Immediately to Increase Productivity

Octagon TRAKR ensures the highest levels of up-time and productivity with 24/7 tracking and monitoring of expensive mobile and semi-mobile assets. Mobile on-board or fixed field devices can be controlled and tracked remotely, saving time and improving efficiency. TRAKR is designed to perform in extreme conditions and can withstand a wide temperature range (-40°C to 71°C).

- Concurrent GNSS and digital I/O enable organizations to locate assets at any time and keep them running all the time to support higher yield
- Accurate insights ensure equipment and drivers are utilized efficiently, without wasting time
- Respond quickly to equipment breakdowns, and track and schedule maintenance needs to put drivers and equipment back on the road quickly

Take Control with Critical Information to Save More and Make More

Higher yield and profitability are natural byproducts of safe, streamlined operations and informed decision-making. Efficient real-time communication between assets and equipment can reduce operational costs and keep the organization running at optimal levels of production.

- Use FMS to prevent inappropriate vehicle use and costly wear and tear on equipment
 - Know where your mobile assets are at all times, avoid extra costs due to loss or theft, and discourage theft by remotely disabling equipment while it's not in use
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The Octagon platform has become the worldwide standard in the mining industry, and it's well known in other industries that operate in extreme conditions. Like all Octagon products, TRAKR was conceptualized, designed and built to withstand high shock, vibration and temperature fluctuation. All of our products are made in the U.S.A.

To learn more about TRAKR and other innovative hardware solutions from Octagon Systems, call our Denver, Colorado location at +1 303.430.1500, or send an email to info@octagonsystems.com.

"We firmly stand behind Octagon as our major supplier of ruggedized, onboard computers."

*Yoshi Furuno, former Vice President & COO
Wenco International Mining Systems Ltd.*

"If your products weren't so rugged and reliable, we'd be buying more..."

*Peter Cunningham, Engineer and Administrator
Tech Resources, Ltd.*