

Mining

Mining companies are acutely aware of the costs associated with equipment failure. Put any piece of industrial equipment into a mining environment and it is a matter of how long before it fails. For this customer the solution required the ability to withstand heavy shock, vibration, metallic dust and provide isolation in addition to GPS and high data processing rates.

Challenging input power requirements, resistance to contaminants cause companies to search for ways to operate their equipment more efficiently. As the reliance on technology (fleet management, system control, process monitoring and communications) becomes ever more critical, It is imperative to address issues when or before they occur. The benefit of doing so can result in saving thousand of dollars in repairs or down time.

The customer, located in Ontario, Canada focuses primarily in underground mining, where conditions are turbulent, harsh, etc. As software providers they turned to Tri-M to design and build a system that could withstand the harsh conditions.



Rugged data logger with Opto-Isolation featuring:

- Integrated data logger capable of capturing up to 850 data points/second
- Tri-M HESC-SERD-PBF
- Tri-M TCB1522 Communications solution
- Tri-M Custom Wi-fi card
- Tri-M customLED card
- IP67 custom enclosure
- Custom cabling
- custom software

