



RUGGED. REMOTE. RELIABLE.

Satellite Asset Monitoring Solutions



MINING AND CONSTRUCTION

750 DB

A powerful dual mode Iridium® Satellite and GSM MTU (Mobile Transmitting Unit).

Enhance Efficiency, Improve Safety

With the 750 DB you know where equipment is and if it's ready to work saving delays, work disruptions and logistics expense.

Efficiency: Track equipment location and utilization allowing for timely and accurate billing for services and equipment rentals. Receive early warning of equipment and engine faults to minimize breakdown and repair expense. Track equipment hours and fuel consumption to know when service is due, and log carbon emissions.

Safety: Employees can "check-in" or "check-out" from any location via an Iridium® Satellite linked Pendant. Workers can actively or passively call for help when in remote areas — in or away from their vehicle — engage escalation procedures in near real-time, and communicate with the office when out of cellular range.

Accountability: Monitor propulsion, extraction and generator engines for fuel efficiency, consumption, state of health and engine operating hours.

Suitable for: Mining Trucks, Excavators, Conveyers, Crushers, and any other mobile asset used.

Benefits:

- Web-Based Platform
- Monitor GPS location and over 150 engine parameters remotely.
- Alert vehicle operators about speeding, engine over-rev, and other dangerous operating events.
- Install our 7" VTerm display for electronic operator log-books and dispatching/scheduling applications.
- Monitor vehicle tire pressure and temperature to improve fuel efficiency and tire life and protect against potential hazards from over/under inflation.
- Connect most SCADA sensors for additional information (i.e. from conveyer/crushers attached to mining equipment.)
- "Intrinsically Safe" Mandown/Lone Worker Systems

Advanced Features

- U-blox 50 Channel GPS for highly accurate positioning
- Sierra Wireless Quad-Band GSM Module
- Iridium Satellite Modem powered by Quake®
- Low Power Draw
 - Power Conditioning
 - Reverse polarity protection
 - Re-settable internal fuse
- Interface - Weather resistant Deutsch, DT Series connectors
- Compact, rugged injection molded case. IP-64 Rated
- On-board J1708 and J1939 CAN and wired OBDII interfaces to provide vehicle data and reporting of diagnostic codes
- RS232, RS422 and RS485 interfaces
- 2MB of compact flash RAM for data logging that can be requested over the air or downloaded locally
- Four factory configured I/O's

Faria Beede EntelNet™ Advantage

Turnkey Service: We supply a turnkey service including systems design, website and back office integration (APIs), hardware, firmware customization/integration, and installation (through qualified installers or in conjunction with your in-house team.) We then provide ongoing post-deployment support and customization.

Rapid Rol: Customers typically report less than six months, from date of installation, to achieving a positive return-on-investment (Rol.)

Support: The level of support you demand — backed by the Faria Beede EntelNet™ Service Level Agreement (SLA). We

understand that you operate in a high-consequence environment. Where needed, our technical support staff are available 24x7x365* to troubleshoot issues, provide support, and ship replacement hardware overnight to most locations.**

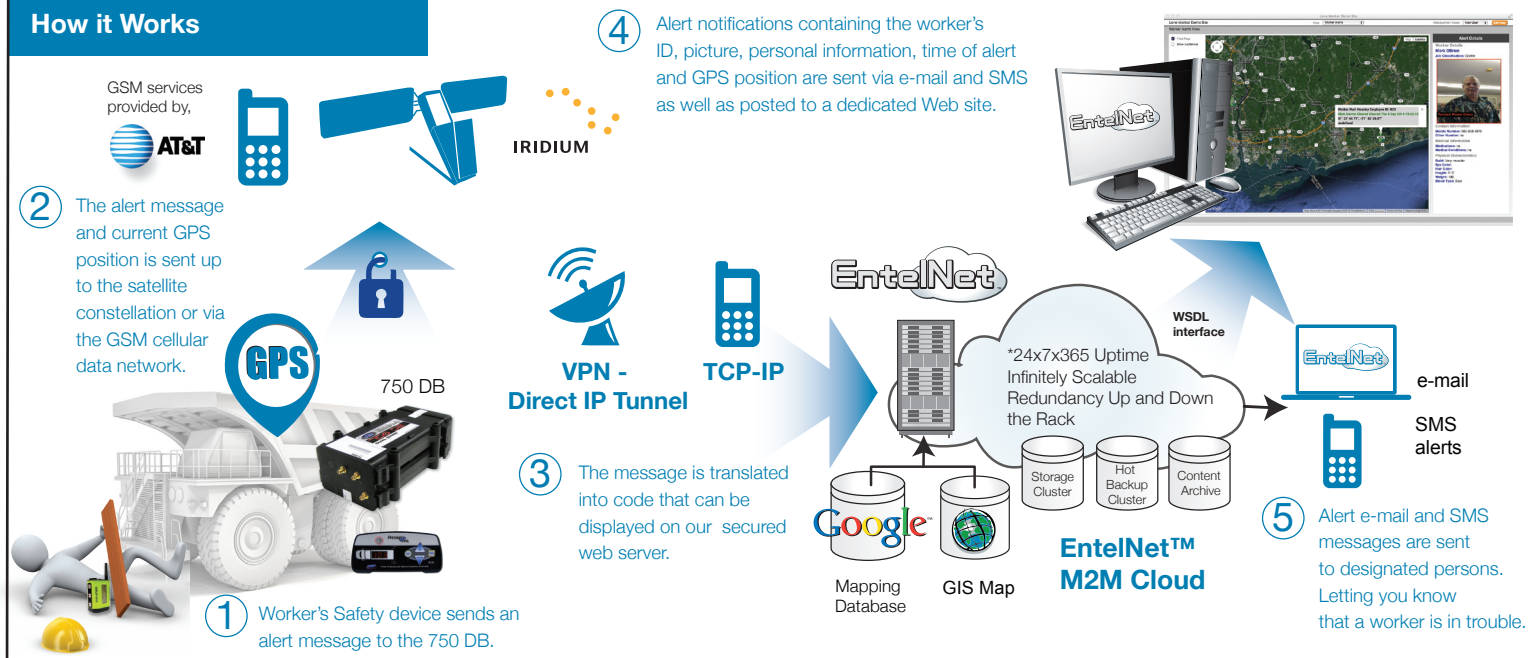
Worldwide coverage*:** Our Iridium satellite based solutions are designed to operate in the most caustic and industrial environments and provide true global coverage. You now have the option to select a single global supplier, to cover all Operating Companies and Project Locations.

* Additional service fees apply

** United States only, international locations typically 2-7 days

*** Subject to local licensing restrictions on Iridium service

How it Works



Dimensions and Weight

L: 9" (229 mm)
W: 4 5/8" (118 mm)
H: 3" (76 mm)
3 lbs. (1430 gr.)

Specifications



Voltage: 12 & 24V ready (9.5-36VDC power)
Operating Temperature: -20C to +85C
Storage Temperature: -40C to +85C
Water and Weather Resistance: IP64
Humidity: 90% RH at 29°C for 24 hours
Shock Resistant: MIL-STD-202, 50G
Vibration Resistant: SAE J1455
Corrosion Resistant: ASTM-B117-73, 48 Hr



All of our hardware is built on ISO-9001 certified production lines and tested for use in the harshest C&I, Mining, Oil&Gas and Maritime environments. From the North Slopes of Alaska, to Work boats in the North Sea, you can be confident that your Faria Beede EntelNet™ solution will continue to perform.

Accessories



VTERM™ 2" User Interface

- 7-inch WVGA TFT color display with an integrated touch-screen.
- Use the display for text messaging, forms reporting and e-mail.
- Displays system status, when unit detects a GPS fix and an open communication channel.
- Can be used to send emergency notifications



LONEWorker

Man Down™ system

The worker worn device (FW-600SP) protects the lone worker by communicating an emergency message with the worker's GPS position real-time over the Iridium satellite network. This device also provides for two-way text messaging and is certified Intrinsically Safe for use in hazardous environments.



Active RF ID Tag

Asset Tracking system



TPM System

Tire Pressure Management

For more information contact



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