PMA

PREDICTIVE MAINTENANCE ANALYZER (PMA)

Latest Generation CBM Technology

The Predictive Maintenance Analyzer (PMA) is the solution for on-platform health and safety monitoring. A fully integrated, customizable data logging system with embedded intelligence for diagnostic/prognostic fault detection, the PMA collects tactical vehicle usage data and performance metrics for autonomously scheduled transmission of health and maintenance data. Features include direct integration into existing DoD common operating pictures and utilization of interactive electronic technical manuals (IETM) information for acceleration of maintenance work orders.

On-Platform real-time health and safety monitoring, data logging, and flexible multi-modal offload.

Reliable & Real-Time System Monitoring

The PMA can monitor vehicle usage data and performance metrics in real time for advanced diagnostics and prognostics alerting. These key indicators are important for vehicle health and the selection of the optimal vehicle for use in your next mission. The PMA supports a variety of communication protocols including Variable Message Format (VMF), for transmission over Ethernet or via direct download for inclusion into Blue Force Tracking / JBCP.

TRIDENT
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PREDICTIVE MAINTENANCE ANALYZER

Maximizes fleet operational readiness visibility.

Assists in prioritizing unit maintenance efforts.

Useful in monitoring unit driver training and safety programs.

Early visibility expedites the procurement of repair parts.

SPECIFICATIONS

- Connects to up to 3 CAN buses
- Flexible hardware for extendibility
- Compatible with DoD standard VMF messages (K07.13, K07.14)
- Interfaces with Army and USMC Blue Force Tracking
- IETM integration for work package identification
- Custom Configurations and Support

SYSTEM COMPONENTS

- PMA Processor
- Flexible Mounting Plate
- Antenna(s) (As requested)
- Input Power / Data cable

COMMUNICATION MODES

- 802.11 Passive Wi-Fi
- Iridium / SATCOM
- CAN bus
- Li-Fi
- Ethernet

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