Airfield Smart Devices & Sensors
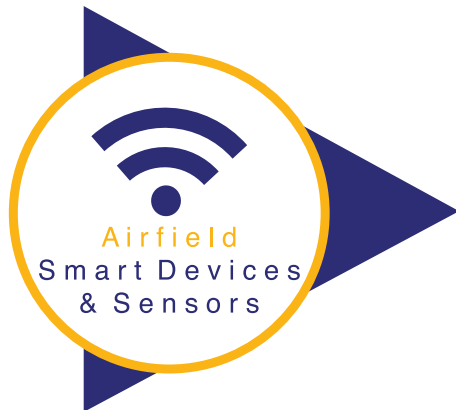
Monitoring and Data Acquisition Storage System (MADASS™)

The MADASS™ system is a comprehensive monitoring and data acquisition storage system that has been specifically designed to meet the performance standards set out in NFPA 414/2012 and FAA AC 150/5220-10E for ARFF (Aircraft Rescue and Firefighting) and all fleet vehicles.

The MADASS™ recorder captures vehicle data during incidents to assist in driver training and support due diligence in accident reconstruction.
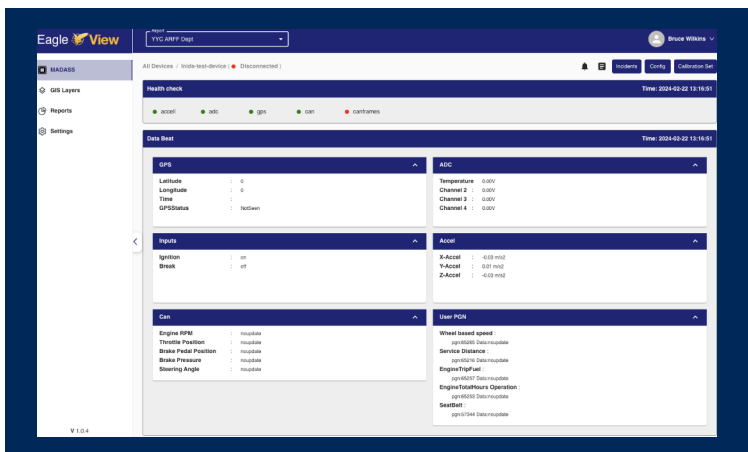
MADASS™

Feature Summary

- The MADASS™ records vehicle performance data when an incident has occurred to assist in driver training, and due diligence for accident reconstruction.
- The unit is capable of storing the measurements and the time intervals, starting at least 120 seconds before and ending at least 15 seconds after a serious incident.
- Data recorded will not be lost or overwritten due to lost power in the vehicle by use of an emergency shutoff or master switch, or as a result of an accident.
- An additional 5 customer specified J1939 PGNs can also be monitored and recorded.
- 2 physically separate J1939 vehicle CAN networks can be monitored.

Web-Portal

- Performance measurements automatically uploaded to the EagleView Cloud platform for storage and analysis.
- Data can be viewed or downloaded by authorized airport administrators from any device/location.
- Ability to remotely monitor the health of all MADASS units, with comprehensive diagnostic capabilities.
- Automatic email or SMS notification of incidents.

Recorded Data

Vehicle Speed

Vehicle Heading

Lateral Acceleration

Vertical Acceleration

Longitudinal Acceleration & Deceleration

Engine RPM

Throttle Position & Steering Input

Vehicle braking input (pedal position and brake pressure)

Date, time and location of all data collected

5 customer specified J1939 PGNs can be monitored / recorded

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