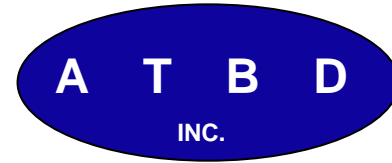


# Locomotive GPS Tracking and Fuel Management

INTEGRATED TURNKEY  
SOLUTION





## ACU SPECIFICATIONS

74 VDC power

Two day plus battery back up

GPS data reporting using GSM/GPRS

Remotely programmable, two way communication

Environmental enclosure, Military spec connections

Report every ten min. in one min. increments

Or, every hour when locomotive is shut down

Health monitoring, trend analysis

-4F to +140F, 10" x 8.3" x 3.1" enclosure

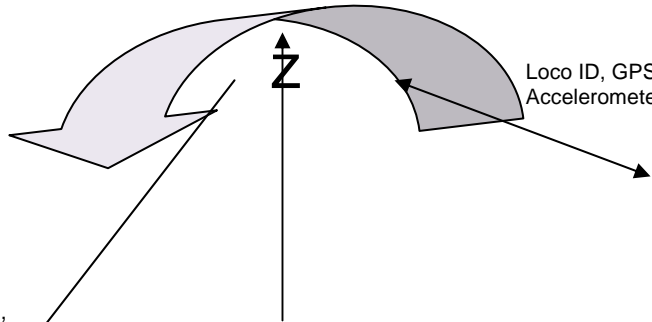
Estimated six hour installation time

Impact tested to 50Gs

North American coverage

Add-ons include: Accelerometer, Fuel level, Engine Temp,





Loco ID, GPS, Health, Fuel, Accelerometer, Engine Status



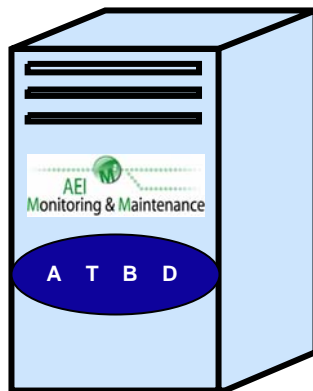
Loco ID, GPS, Health, Fuel, Accelerometer, Engine Status

Configuration Management, Installation, Training, Support, Maintenance, RMA Management



Communication Management and segment pooling

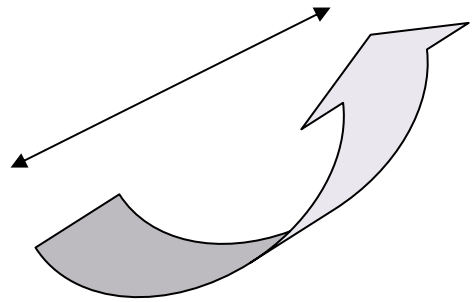
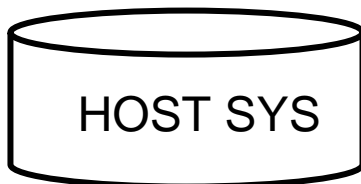
Trending Analysis



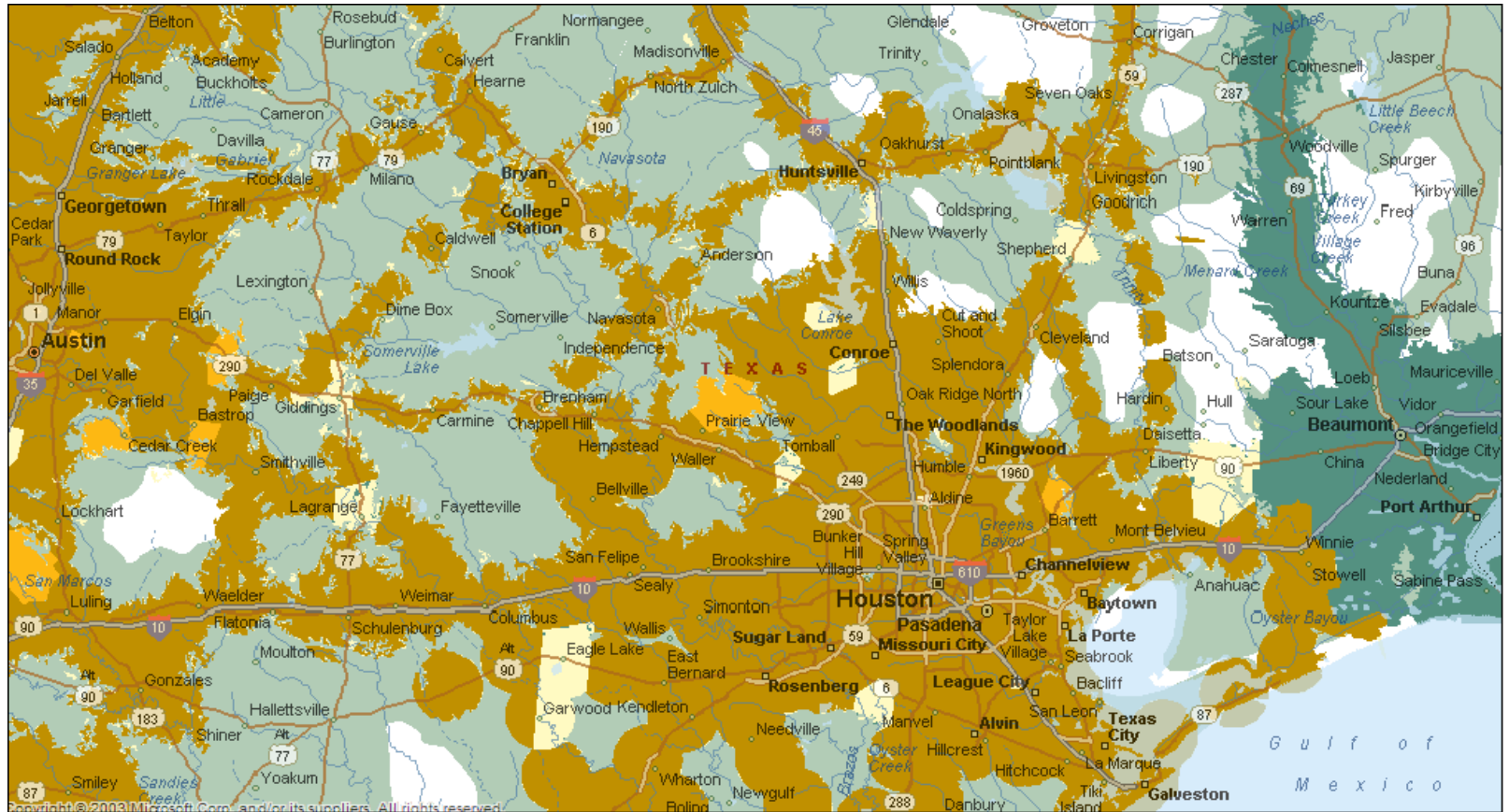
Health Monitoring, Alert Status



Account Management



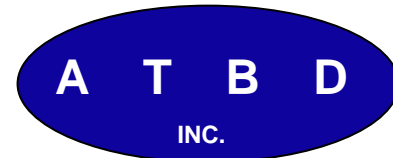
# HOUSTON, TX AREA COVERAGE MAP



 MOBILE BRADBAND COVERAGE

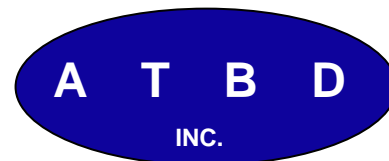
 NATION WIDE COVERAGE

 PARTNER NETWORK COVERAGE



# Add On Features

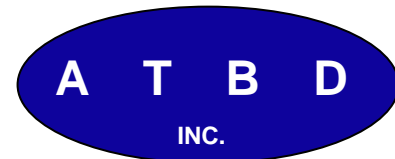
- Fuel level monitoring and management (3% accuracy out of the box)
- Accelerometer impact reporting damage prevention & crew management
- Locomotive temperature reporting
- PCS pneumatic control switch alert
- Fuel switch/pump monitoring
- Engine on/off monitoring
- Engine run/isolation switch



# Budgetary Pricing

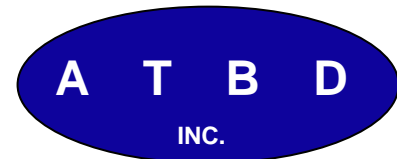
## (call for pricing)

- RFTrax basic ACU unit for locomotives
- Installation of basic unit for GPS reporting
  - Travel, per diem, equipment usage, training not included
- Fuel monitoring add on
- Fuel monitoring system installation labor
  - Travel, per diem, equipment usage, training not included
- Accelerometer add on
- Monthly charges
  - 5MB monthly data communication package
  - Mapping software access
  - Data migration, alert messaging, system configuration, customer profile management, system health monitoring, RMA and repair management, communication usage management, integration of add on equipment, and web access to monitoring software



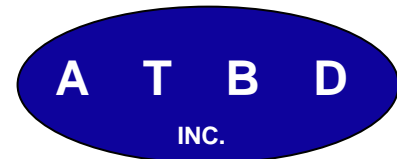
# Lead Times and Clarifications

- All equipment has a minimum of ninety day lead time
- Customer is responsible for taxes, shipping, and making locomotive available for installation in a safe working environment
- Proposal is for 5MB of data per month with the device reporting every ten minutes with one minute increments
- All equipment and labor has a one year warranty
- Billing will be quarterly with 120 day cancellation
- Data segment usage is spread out over a group of locomotives to minimize the possibility of over run



# Installation Options

- Complete turn key onsite installation
- Assistance with the first locomotive and training for customer employees
- Manuals and instructions shipped with equipment
- Equipment has two way communication and is remotely programmable for optimization after installation
- Detailed training for installation is available at the manufacturer's facility



# Thank You !

We welcome the opportunity to work together and exceed your equipment location and utilization requirements. We are offering a truly turnkey solution in a single sourced management, resolution , support, and implementation package. Partnering with Host Operating Systems like RMI and RailConnect provides a seamless integration of this valuable data into a working solution at the turn of a switch.

**M2**

**GPS AEI Monitoring & Maintenance**

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