



ACBM

Automated Condition
Based Maintenance



















Agenda

- Presentation (15 Min)
 - Definitions
 - ACBM Solution
- Software Demo (30 Min)
 - Vehicle Maintenance
 - GPS Tracking
 - Business Intelligence (Dashboards & Reports)
- Q&A (15 Min)

Maintenance Definitions

- Corrective Maintenance – Performed only after equipment failure
- Preventative Maintenance
 - Planned – Scheduled solely based on time intervals
 - Condition Based – Based on readings from meters (mileage, hours, fuel, etc.)

Maintenance Type Comparison

	Corrective	Planned	Condition Based	ACBM Solution
Equipment Failure				
Unexpected Revenue Loss				
Maintenance Costs				
Time Consuming	NA			
Error Prone	NA			

ACBM Solution

- Combines benefits of planned and condition based maintenance
 - Automatically generates work orders from templates when readings or time intervals are exceeded
- Centralized location for all historical maintenance work orders, status, and notes

ACBM Features

- Automated meter readings (odometer, engine hours, fuel usage, etc.)
- Visual dashboards
- Fleet Management Reporting
- Maintenance Calendar
- Automated e-mail notification
- Real Time GPS Tracking

ACBM Benefits



Sample Maintenance Reminders

Vehicle Maintenance	Documentation Reminders
Change Oil	Vehicle Registration
Wheel Alignment/Balance	Insurance Renewal
Change Spark Plugs	Vehicle Inspection
Rotate Tires	Safety Test
Change Battery	Smoke Test
Replace Air Filters	

ACBM



Item	Description	Quantity	Unit Price	Estimated Price
1	Field Labor	1	\$175.00	\$175.00
2	Software/Plug-in for Fieldstar	1	\$100.00	\$100.00
3	Fieldstar Data	1	\$100.00	\$100.00

Technical Details

- Software Solution
 - Cloud based, Multi-tenant SaaS solution
 - Uses Amazon AWS EC2
 - Data stored on Amazon RDS (mySQL)
- Hardware
 - Plugs directly into OBD2 Port or 9-Pin J1939
 - Reads directly from CAN bus
 - Transmission of data from vehicle to ACBM cloud via GSM

Vehicles Supported

- Automobiles and Light Trucks
 - GPS (less accurate): 1996 – Present
 - CAN Bus (most accurate): 2007 – Present
- Heavy Machinery
 - J1939: Since 2000, (Significantly revised in 2010)
 - J1587/J1708: Since 1994



Demo



Questions??

Contact

Larry Furino

LFurino@acbmsolutions.com

(201) 602-2313

