



Fleet Management Solution

ConnectM
a Sasken and IDG Ventures company

The Need

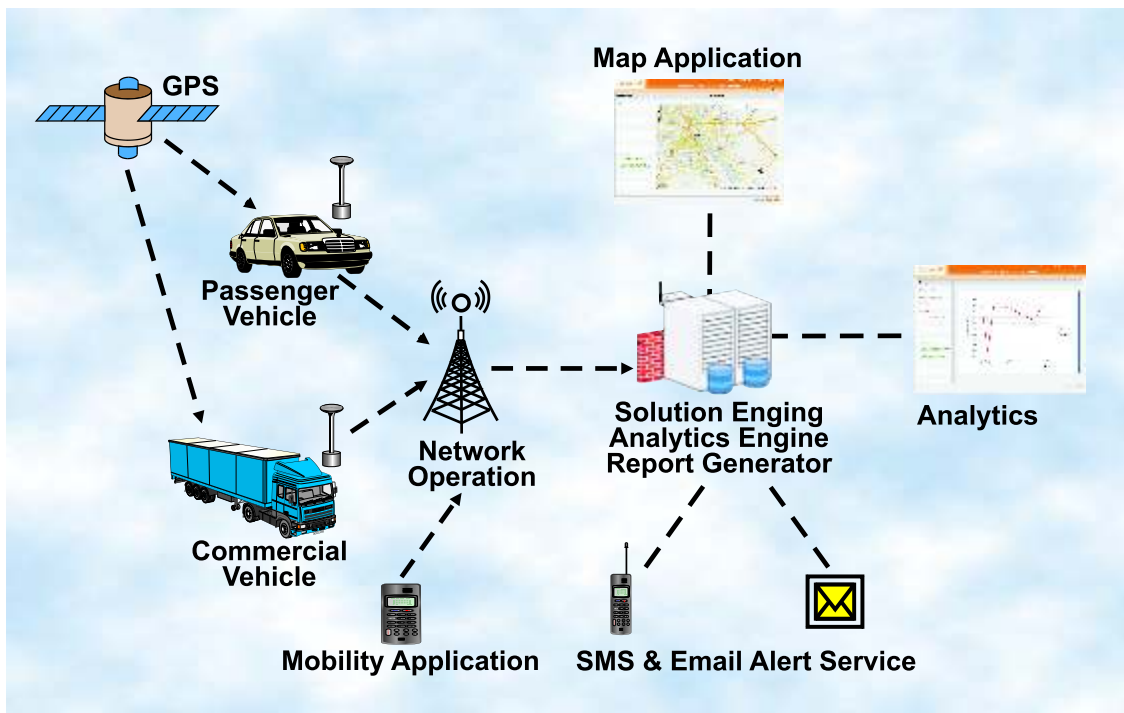
In view of soaring fuel prices and intensifying global competition, Commercial and Passenger vehicle fleets involved in transportation of goods and people to drastically improve the utilization of their fleets and optimize their operating costs. They need to deploy methods to enhance availability of the fleets through proactive maintenance programs. At the same time, reliability of service is a pre-requisite for continued business success.

We are all aware of the growing concerns about global warming caused by emission of green house gases. Fleets can potentially make an overwhelming contribution by cutting in-discriminate use of fuel, checking pollution and optimizing vehicle usage.

The Solution

The fleet management solution from ConnectM is based on GSM/GPRS based technology. The solution allows information exchange between the moving vehicle and the command centre. A GPS tracking device is installed in the vehicle. This identifies the vehicles position using GPS and transmits the same along with data from sensors (or CAN bus if available) installed in the vehicle via a GPRS link to the central server. Vehicle related information is provided to fleet owners via a standard web hosted application with integrated Maps, Alerts and Analytics services.

A schematic of the solution is illustrated below:



Solution Features

FEATURES	SILVER PACKAGE	GOLD PACKAGE	PLATINUM PACKAGE
HARDWARE			
Quadband GSM/GPRS module	Standard	Standard	Standard
GPS Receiver	Standard	Standard	Standard; High Sensitivity
Motion Sensor	Not available	Not available	Standard; 3 axis
GSM Antenna	External	External	Built-in
GPS Antenna	External	External	Built-in
Digital Inputs	Optional	Standard	Standard
Analog Inputs	Not available	Standard; Built-in	Standard; Built-in
Input/Output Extension	Not available	Not available	Optional
SD Card Interface	Not available	Not available	Optional
CAN Interface	Not available	Not available	Optional
Audio capability	Not available	Not available	Optional
Internal RFID Reader	Not available	Not available	Optional
Internal Backup battery	Not available	Not available	Optional
Panic Button	Not available	Optional	Optional
Speaker & Mike	Not available	Optional	Optional

B. Fuel consumption monitoring



Additional reports are provided based on customer specific needs. A sample report illustrated below monitors fuel consumption

Application Area

- City Taxi services
- Intra and Inter-city bus services
- Inbound, inside and outbound logistics
- Primary and secondary distribution of goods
- Cold chains
- Courier pick-up and delivery services
- Vehicles used in construction industry
- Emergency services
- Municipal vehicles

Impact

Companies that have used Fleet Management solutions have reported:

- Upto 28% improvement in fleet utilization
- Upto 42% improvement in timely completion of work orders
- Upto 23% reduction in maintenance cost per vehicle (as against 1% for others)
- Upto 21% increase in service profitability (twice that of others)

About ConnectM

ConnectM is a global solutions provider for the Automotive, Railroad, Aerospace, Industry, Utilities and Enterprise markets. We help customers improve profitability, enhance productivity and reduce cost using Analytics based on Remote Monitoring. Our proven solutions deliver significant, sustained and measurable business impact for our customers. ConnectM is backed by Sasken and IDG Ventures.

Our solutions portfolio also includes:

- Remote Asset Management
- Remote Monitoring and Diagnostics
- Energy Management Solution
- e-Metering Solution
- Automated Cathodic Protection
- Intelligent Street Lighting Control

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