



MIMOS Fleet Management System (Mi-Fleet)

The transport industry, especially public transport, often operates on razor-thin margins and relies on commodities such as fuel as well as supply and demand of the general public. High operational costs involving maintenance and repair and inefficient processes often occur in handling multiple vehicle fleets. In addition, the safety of passengers and cargo, driver behaviour and the environment are ongoing concerns. MIMOS Mi-Fleet provides operational visibility and efficient delivery of mobile resources such as land or sea transport.

Overview

MIMOS Fleet Management System (Mi-Fleet) is a web-based system that virtualises transport vehicle fleets. It is an end-to-end Internet of Things (IoT) solution for fleet operators offering virtual remote visibility over mobile resources. Mi-Fleet is capable of tracking vehicle speed, braking and acceleration patterns, engine health, and fleet location and movement. Telemetry information is collected via on-board diagnostic sensors and GPS tracking and transmitted wirelessly to a command centre for processing, visualisation and analysis. This will improve transport service delivery and ensure the safety of its passengers and cargo.

Features

Mi-Fleet comprises the following features:

- **Remote End-to-End Fleet Tracking**
Integrated fleet tracking using sensors, cameras, GPS, wireless systems and apps that incorporates vehicles, drivers and a command centre for remote monitoring.
- **Fleet Transit Information**
Fleet arrival times, route coverage and schedule, and fleet terminal and depot locations are available on a web interface.
- **Automated Command and Control Centre**
An automated command and control centre provides real-time performance metrics on fleets to facilitate decision making.
- **Fleet Status and Vehicle Health Monitoring**
Fleet status and vehicle health data allow fleet managers to provision services based on supply and demand scenarios as well as cater for ad hoc circumstances.
- **In-Vehicle Infotainment and Advertisement Services**
In-vehicle WiFi allows users Internet access while AV media and adverts can be broadcast to them simultaneously.

Technology Benefits

The main impacts of Mi-Fleet are:

- **Accessible Fleet Information**
Administrators and passengers can visually track the exact location and retrieve details of all vehicles through the mobile, computer or administrator terminal.
- **Efficient Transport Service Delivery**
A visual admin dashboard mapped to supply and demand for transport allows timely service delivery to customers.
- **Enhanced Safety and Security**
Over-the-air monitoring of vehicles enhances the safety and security of valuable cargo, mobile assets and passengers, and promotes better driver practices.
- **Targeted Content Broadcast**
In-vehicle adverts and infomedia services can be used to target the public transport audience and revenue used to offset fleet running costs.
- **Customisable for Future Add-Ons**
Mi-Fleet can be customised to support add-ons of sensors and third party systems for enhanced monitoring.

Technology Summary

Mi-Fleet

An IoT virtual transport solution that enables real-time fleet management.

Industries: Public Transport, Logistics, Tourism, Enterprise, Government

Features

Mi-Fleet provides enhanced fleet management through:

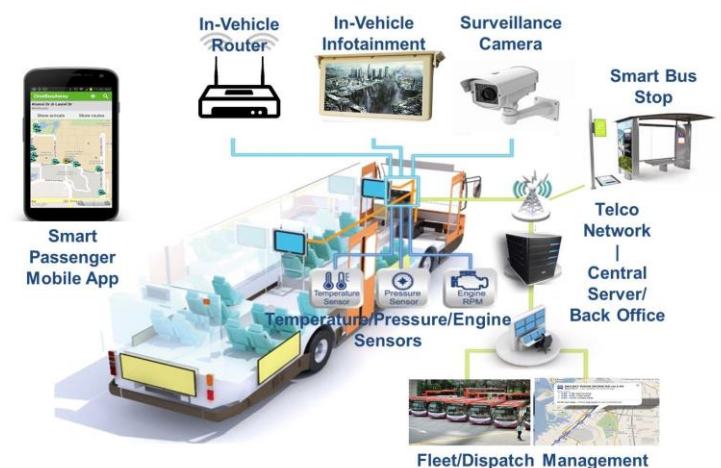
- Remote end-to-end fleet tracking
- Fleet transit information
- Automated command and control centre
- Fleet status and vehicle health monitoring
- In-vehicle infotainment and advertisement services

Technology Benefits

- Accessible fleet information
- Efficient transport service delivery
- Enhanced safety and security
- Targeted content broadcast
- Customisable for future add-ons

Bus Fleet Management Information					
BUS ID	GPS LOCATION	TRIP ID	NEXT STOP	ETA	STATUS
Bus-01	Jalan Merah Cagar	100101	MSNMY	4mins	Operational
Bus-02	Jalan Barat	100102	LRTBJL	3mins	Operational
Bus-03	Bulatan Inovasi	100103	-	-	Breakdown

MIMOS Mi-Fleet sample vehicle tracking



MIMOS Mi-Fleet fleet management system

System Requirements

Mi-Fleet	
Hardware (Minimum)	
Processor	2GHz or faster Intel® Core™ i5 equivalent
Memory	4GB RAM
Disk Storage	500GB HDD
Software (Minimum)	
Operating System	Ubuntu Server 14.04 LTS
Web Browser	Google Chrome™ 45 or above

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