Intervid Fleet Management

Fleet Telematics

Intervid Fleet Management

Intervid Fleet Management brings to market a leading Global Fleet Telematics Technology. Intervid Fleet Management solutions have assisted companies in increasing the efficiency of their fleets, decreasing operational costs and improving their profitability.

Intervid Fleet Management provides comprehensive end-to-end solutions to clients from a variety of industries including logistics, utilities, leasing public transport, emergency vehicles, state and local government and law enforcement.

This powerful technology provides innovative, reliable alternatives to customers wanting to reduce their overall cost of fleet ownership.

The I-Hub telematics series is designed to address many of the operational challenges prevalent in commercial fleets. These include activity monitoring, driver behavior management, risk management, and overall reduction of operating costs, to mention a few.

Intervid, Inc.
5111 Pegasus Court, Suite C
Frederick, MD 21704

(800) 337-8066
www.intervid.com
info@intervid.com

Solutions Features

Automatic Vehicle Location (AVL)

Using its onboard Global Positioning System (GPS) receiver the I-Hub provides accurate location information. Additional information includes trip data, driver identification, input status, outpu t control, speeding and odometer.

Driver Management

Active monitoring of reckless driving behavior. Monitored parameters include excessive idle, harsh braking, excessive acceleration, speeding, over-revving and free-wheeling. The analyzed information provides the operator with a valuable tool to minimize fuel and maintenance costs while maximizing safety.

Zone Management

Monitoring of entry and exit of user defined geofences. Geofences downloaded to the I-Hub can be categorized (i.e. customers, fuel stations, depots, etc.) and linked to user defined actions. An example would be the unlocking of the cargo doors on entering a customer location.

Accident Reconstruction

The I-Hub logs relevant vehicle data including location, speed, direction and harsh braking on a second-by-second basis. After detecting an impact, the device automatically transmits the accident log to a centralized platform. This provides the operator with an accident notification and full reconstruction of the events leading to the accident.

Power Modes

Using the latest technologies, the I-Hub has the ability to intelligently switch between various power modes while maintaining full functional ability. The device can reduce its power consumption to levels well below industry standards, allowing a vehicle to stand for weeks without being driven, while not excessively draining the vehicle battery.

Diagnostic Trouble Codes (DTC) Interpretation

Report the translated code information to management to facilitate appropriate response according to severity of the situation without having to rely on a service center to charge for this information.

Vehicle Systems Interface

Interface to the vehicles on board system via the standard OBD-II port. The vehicle data collected would include essential information such as Speed, RPM, VIN Number, Coolant, Engine Load, Throttle Position, MAF, MIL, Fuel Level, Air intake, Start Time.

Daily Activity Summary

The system can be configured to send the vehicle's daily activity summary to the company fleet managers. This information provides the management with advanced tools enabling the management of the risk profile associated with any given vehicle policy. Typical information included in the summary: total driving hours, hours spent driving at night, odometer reading, number of speeding events, hours spent in high-risk areas and number of trips.

Dynamic Trigger Configuration

Utilizing an intelligent proprietary Dynamic Trigger Configuration engine, any user defined event and an associated action can be configured and applied to the I-Hub unit over the air, providing an easily adaptable platform to dynamically changing requirements.

Driver Safety Business Intelligence (BI) Module

Accumulation of a host of driver behavior data into this unique module to facilitate effective driver scoring to improve driver safety.

Fuel Management Business Intelligence Module

Accumulation of integrated fuel transaction data into this unique module to provide useful, accurate information to facilitate effective fuel cost reduction strategies.

Low Energy Blue Tooth Connectivity

Allowing for the integration of wireless I/O connectivity to a host of third party devices, for example, driver tags, temperature sensors, door contacts, etc.

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Technology Products

I-Hub

Intervid's Fleet Management telematics series of in-vehicle hardware components utilize GPS/GSM functionality, designed to address many of the operational challenges prevalent in commercial fleets.

Hardware Offerings

The devices range from vehicle recovery devices, OBD II devices, fleet management and stand-alone asset tracking units.

I-HUB846

Entry Level FM device with integrated GSM/GPS

- Comprehensive Trip Data
- Proprietary pattern recognition algorithms combining accelerometer and vehicle data to detect driving behavior such as harsh braking, lane swerving, harsh cornering, etc.
- Configurable I/O for various vehicle status monitoring such as RPM, IGN states
- Custom Trigger Based Engine
- Hardware Geofence storage up to 5000 co-ordinates
- Advanced accident notification and reconstruction
- On board 3 axis self-calibrating accelerometer
- Optional weather proof enclosure for engine compartment installs
- Battery back up

I-HUB837

OBD II dongle with integrated GSM/GPS

- Self-installed OBD II GPS/GSM on-board Telematics device
- Self-calibrating 3 axis accelerometer
- USB host
- Battery back up
- Proprietary pattern recognition algorithms combining accelerometer and vehicle data to detect driving behavior such as harsh braking, lane swerving, harsh cornering, etc.
- Advanced accident notification and reconstruction
- Trip summary and mileage management
- POI/Geo zones activity monitoring
- Service notifications
- DTC codes
- Bluetooth Low Energy (BLE) for wireless sensor (optional)

I-HUB 855

Fully featured FM device for the advanced users

- Comprehensive Trip Data
- Proprietary pattern recognition algorithms combining accelerometer and vehicle data to detect driving behavior such as harsh braking, lane swerving, harsh cornering, etc.
- Custom Trigger Bases Engine
- Generic Fully Configurable I/O
- Advanced accident notification and reconstruction
- Hardware Geofence storage up to 5000 co-ordinates
- 4 Temperature sensor monitoring (refrigeration, etc.)
- Driver identification and management
- Bluetooth Low Energy (BLE) for wirelesds sensor compatibility
- USB host with an option to connect to a PND device as an option
- In-Vehicle network (e/g/ Canbus J1939)
- On board 3 axis self-calibrating accelerometer

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I-Zone

Intervid's user-friendly fleet and consumer management platform provides comprehensive management tools focused on reduction of operational and maintenance costs, increased mobile asset utilization and overall enhanced mobile resource safety.
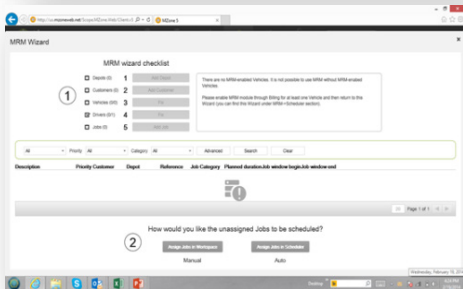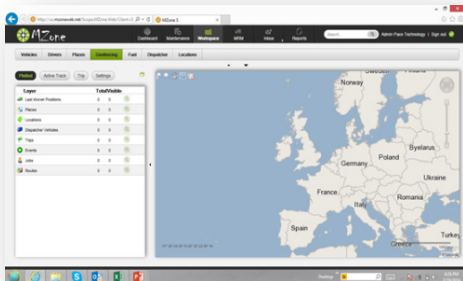
I-Zone Telematics Overview

- Browser based, multilingual, Telematics platform
- Deployed in numerous industries including fleet, logistics and transportation, emergency response, pharmaceuticals, etc.
- Incorporates the following modules:
  - Fleet Management
  - Rules Engine
  - Reporting
  - Accident Reconstruction
- Proprietary mapping engine
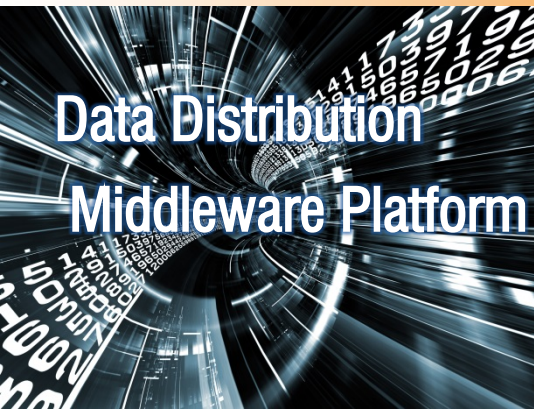- Wide array of reports in different formats and sent via email as scheduled reports
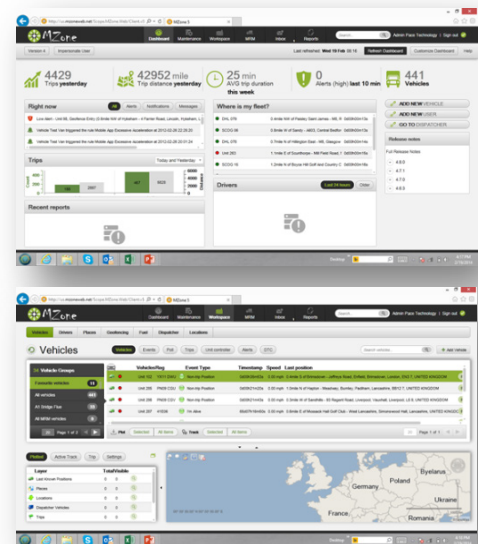
I-Zone Key Functionality Overview

- Management Dashboard
- Automatic vehicle location (polling, active track, etc.)
- Trip management and trip replays
- Geofence management
- Alerts and notifications management
- Driver management and custom scoring
- Fuel reporting
- Dispatcher
- Rules Engine
- Mulitple mapping options (Google, Bing, Tele Atlas)
- Location manager
- Vehicle maintenance
- Roles and rights control
- API for 3rd party integration (allows for "painless" development of 3rd party applications)

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Data Distribution Middleware Platform

I-Profiler

Intervid's data hosting and distribution middleware platform provides seamless integration to third party systems. The I-Profiler provides a robust reliable communication and data distribution platform between the mobile and back office environments. It creates visibility and provides access to business processes, applications and information to anyone, anywhere, at any given time.

I-Profiler Overview

- Enterprise grade middleware
- Subscriber-publisher based data distribution received from the in-vehicle I-Hub hardware devices
- Communication gateways
- Comprehensive unit manager to manage OTA firmware upgrades, unit configurations, KPI's etc.
- Open architecture suited for 3rd party integration
- API for 3rd party platform integration
- Centralized Monitoring System

Apps

Tablet and Smartphone Apps

Tablet Apps
Fleet

- Fleet Management dashboard
- Reporting Suite
- Trip Relay
- Real-time location of mobile resources
- Open source code for partners
- Rebranding options
- Available for iOS and Android

Smartphone Apps
Consumers

- Real-time location viewing
- Social network integration
- Teen safety monitoring
- Tax & Fuel log book
- On-the-go driving feedback

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I-Hub Series Specifications

	I-Hub846	I-Hub837	I-Hub855
GPS	uBlox Amy-6M	uBlox Amy-6M	uBlox Amy-6M
GPS Spec	50 Channel -160dBm	50 Channel -160dBm	50 Channel -160dBm
GPS Antenna	Internal	Internal	External
GSM	Telit GE865-Quad	Telit GE865-Quad	Telit GE865-Quad (3G Optional)
GPRS Class	10	10	10
GSM Bands	GSM/GPRS: 850/900/1800/1900 MHz	GSM/GPRS: 850/900/1800/1900 MHz	GSM/GPRS: 850/900/1800/1900 MHz
GSM Antenna	Internal	Internal	Internal (External Optional)
Iridium	Not available	Not available	Optional
Accelerometer	3 Axis Digital	3 Axis Digital	3 Axis Digital
In Vehicle Network	none	ISO9141/ISO15765/ISO14230	J1939/J1708/CAN
Inputs – Digital	2 (Adaptable I/O)	0	5
Inputs – Frequency	0	0	2
Inputs – Analog	0	0	1
Outputs	2 (Adaptable I/O)	0	4
Weight	2.11 oz	1.09 oz	5.07 oz
Dimensions	3.27" x 2.20" x 0.75"	2.12" x 1.89" x 1.02"	4.72" x 3.07" x 1.02"
Backup Battery (mAh)	200mAh	200mAh	1100mAh
Bluetooth Low Energy	Not available	Optional	Standard
Geofence Storage Capacity	5000	5000	5000
USB	1	1 Host	1 Host
Power Input	9V ~ 40V DC	12V DC	9V ~ 40V DC
Serial Ports (RS232)	1	1	2

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