

In-Vehicle Monitoring System

Improve Safety, Efficiency & Productivity

BIGmate Monitoring Services Pty Ltd specialises in providing true web based GPS tracking solutions to suppliers, owners and operators of assets, including mobile equipment and fixed plant.

BIGmate is proud to offer an *In-Vehicle Monitoring System (IVMS)* package as part of our focus on enabling customers to significantly improve safety, efficiency and productivity.

The IVMS in the vehicle continually monitors:

- Date and time;
- GPS location of the vehicle;
- GPS based speed;
- Distance travelled calculated off the GPS;
- Ignition Hours;
- Exceptions such as:
 - Harsh acceleration, braking or indicative cornering (with either an external accelerometer or GPS based);
 - Movement into or out of predefined geofences (if required); and
 - Speed violations that can be defined uniquely for several geofences.

The IVMS also offers the following value-adding features:

- All the user settings in the device are remotely configurable through the GPRS / NextG network;
- Records with all parameter values are created and prioritised for transmission:
 - At standard customer defined intervals (i.e. every 5 minutes);
 - When the heading / direction changes by more than 45 or 85 degrees;
 - When an operator presses the optional call-to-action button;
 - With every exception such as speeding, ignition on/off, harsh acceleration/ braking/ cornering;
- Optional incident replay that enables the previous 60 GPS logs at 1 second interval to be retrieved each time a harsh braking/ acceleration or harsh cornering alarm is triggered; and
- Geofence based output ability to auto activate features such as warning lights or speed limiting devices.

IVMS Optional Features and Accessories

The IVMS offers the flexibility to be upgraded to include combinations of the following value-adding features:

- Job dispatching and two-way messaging through the web service;
- GPS navigation onboard vehicles using standard Garmin Nuvi Navigators;
- Integration of commercially available collision avoidance and proximity detection systems;
- Satellite modem for exception reporting while outside of GPRS / NextG coverage;
- CAN (J1939) engine management interface for equipment that support it;
- RFID readers and tags for driver identification; and
- Event recorder to capture inputs from the driver.



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Hybrid – GPRS / NextG with Optional Satellite Back-up

All of the IVMS parameters are monitored, recorded at customer defined intervals and continuously transmitted by default through either the GPRS or NextG network to BIGmate's servers for further processing into valuable, user friendly information.

When the vehicle moves outside of GPRS / NextG coverage, data records are stored and forwarded as soon as coverage becomes available. BIGmate offers satellite options that enable the unit to transmit notification of customer-defined exceptions through a satellite network whenever GPRS / NextG coverage is not available. This is a powerful feature which enables the solution to be employed in virtually any remote location.

BIGmate Automated Web Service

BIGmate's Automated Web Service (AWS) offers a powerful true web based solution that caters for the many demands of customers across a wide range of equipment and vehicle types.

The AWS is an easy-to-use application that integrates many different hardware and communications technologies into universal seamless and true web based solutions. The powerful AWS offers:

- Unit tracking ability with Google Maps, both road and satellite;
- Detailed replay of all activities in graphical and tabular reports;
- Driver behaviour reporting, with the ability to limit it to specifically defined areas;
- A range of other utilisation and geo-fencing reports such as journey, odometer, engine hour, driver ID and activity reports and graphs;
- Data can be exported or shared with third party systems through uniquely tailored business to business solutions; and
- Should any of our many standard reports not suit a specific customer requirement; reports can be tailored.

Contact Information

For more information on our flexible AWS solutions, please contact us for a personal demonstration or visit our website www.bigmate.com from where you can click on "Run Demo" for a snapshot of some of the features we offer.

Enquires within Australia

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