



Bigmate Case Studies

Internet of Assets (IoA)



CHALLENGE

- Locate mobile assets for which traditional telematics is not suitable due to wiring or cost constraints.
- Quick and simple installation is required.
- Need to know when an asset moves, is stationary or leaves a nominated location (geofence).

SOLUTION

- Bigmate Eagle
 - Long life, battery operated device.
 - Robust IP 67 case with discreet form factor and mounting points.
 - Configurable to detect motion and occasional speed events.
- Bigmate IoT Platform
 - Easy to use dashboards and reporting.
 - Configurable geofence and other alerting.
 - Customisable and extensible.

BENEFITS

- Enables visibility on the location and movement of low cost assets such as trailers, mobile equipment and stationary assets to reduce theft and asset misplacement.
- Simple, fast installation facilitates the lowering of operational costs and solution management.

Hospital Solution



CHALLENGE

- Identify where highly mobile equipment is being used.
- Find equipment that has been moved to an unknown location and is needed quickly.
- Identify lost equipment.

SOLUTION

- Bigmate Sparrow
 - Low cost, Wi-Fi location device with discreet form factor.
 - Battery powered for simple attachment and long operational life.
- Bigmate IoT Platform
 - Dashboards, advanced reporting and alerting designed specifically for hospital environments.
 - Ability to integrate into existing systems and applications.
 - Ability to embed in a hospital's existing intranet website.

BENEFITS

- Easy to manage and maintain, avoiding extensive IT complexity and ongoing operational cost.
- Reduced asset loss that can improve cost management.
- Potential for theft reduction leading to improved patient care.

Trolley Solution



CHALLENGE

- Identifying trolleys that have been abandoned outside a shopping centre.
- Reduce the time taken to find and collect trolleys from residential streets.
- Find trolleys that have been left in hard to find places.

SOLUTION

- Bigmate Sparrow
 - Ultra long battery life (5 years).
 - Customized installation designed for discreet and robust fitment.
 - Lightweight location reporting combined with analytics, specifically designed to support trolley collection operations.
- Bigmate IoT Platform
 - Dashboards, alerting and advanced reporting designed specifically for trolley collection.
 - Integration with other systems and applications.

BENEFITS

- Can reduce trolley collection times, resulting in improved community response to abandoned trolleys.
- Visibility on trolley inventory.
- Visibility on trolley utilisation and behavior that can support store performance and operation activities.
- Deliver improved customer service through trolley availability.

Speed Management



CHALLENGE

- Monitoring driver behavior.
- Establishing safe speed practices.

SOLUTION

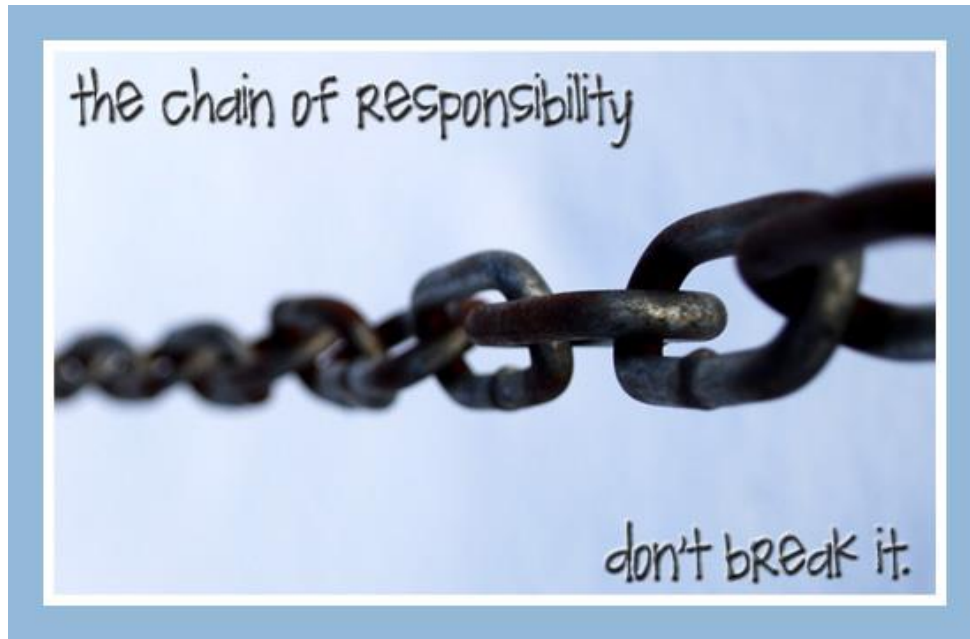
- Bigmate ULTImate device:
 - Bigmate ULTImate in vehicle unit provides a speed measurement accuracy to within 3.0 km/hr*.
 - Has the ability to be configured with a number of methods to measure speed that best suit the vehicle type and business needs.
- Bigmate Monitoring Software
 - Ability to provide SMS, email and on-page alerts.
 - Customisable advanced reporting to meet the specific business requirements.
 - Interactive speed dashboard and report enables management to review journeys and events with all the contextual information to discuss with the staff member.

BENEFITS

- Cost effective.
- Type approved in vehicle unit.
- Flexible monitoring platform with advanced reporting that can be tailored to meet specific business requirements.
- Delivery of information through multiple channels including web, mobile and directly into other business systems.

*For 99.9% of observations with a satellite count of 4 or more and a horizontal dilution of position (HDOP) of less than 4.

Chain of Responsibility



CHALLENGE

- To monitor breach of the Heavy Vehicle National Law.
- Managing heavy vehicle speeding.
- Mowing Cost.

SOLUTION

- Bigmate Type-approved in-vehicle unit is the ideal in-vehicle platform.
- Bigmate Monitoring Software - Delivery of speed reports and SMS alerts through Bigmate's Advanced analytics and reporting platform.

BENEFITS

- Adherence to CoR obligations.
- Safe transport.
- Advanced reporting.

Environmental Services



CHALLENGE

- To manage the logistical challenges of mowing the vast areas.
- Visibility on what mowing is being undertaken.
- Getting reports on the areas being mowed.

SOLUTION

- Reports on the area cut by a mower and identify on maps where mowing occurred.
- Advanced reporting to allow users to interact with data and gather statistics on mowing areas which can provide valuable insight.

BENEFITS

- Easy identification of the area being mowed.
- Delivery of information through multiple channels including web, mobile and directly into other business systems.
- Advanced reporting that can be customized to suit the council's growing needs.

SCADA Control



CHALLENGE

- Monitoring key parameters of the asset.
- Security of the asset.

SOLUTION

- Bigmate ULTImate device:
 - Assessed and tested to meet specific environmental requirements that are relevant to the harsh environment.
 - Satellite and cellular coverage.
 - Ability to work for more than 12 hours (based on 10 minute satellite and 1 minute cellular reporting) without power with instant transmission of alerts.
- Bigmate Monitoring Software:
 - Asset monitoring through SMS and email alerts.
 - Advanced reporting to suit different business needs, from maintenance services to asset management.
 - Granular access control for the users.

BENEFITS

- Flexible and extensible with reduced complexity for users.
- Type approved hardware.
- Sufficient battery back up.
- Advanced reporting.