smartpolis

WASTE MANAGEMENT

MODULE OVERVIEW

INTUS smartcities

INTUS Smartcities is setting out to change the way cities operate on a global scale. Through the use of proprietary resources, INTUS Smartcities solves infrastructure challenges and problems related to safety, efficiency, resource sustainability, environmental damage, and data.

MANAGEMENT & MAINTENANCE

WASTE RELATED ASSETS

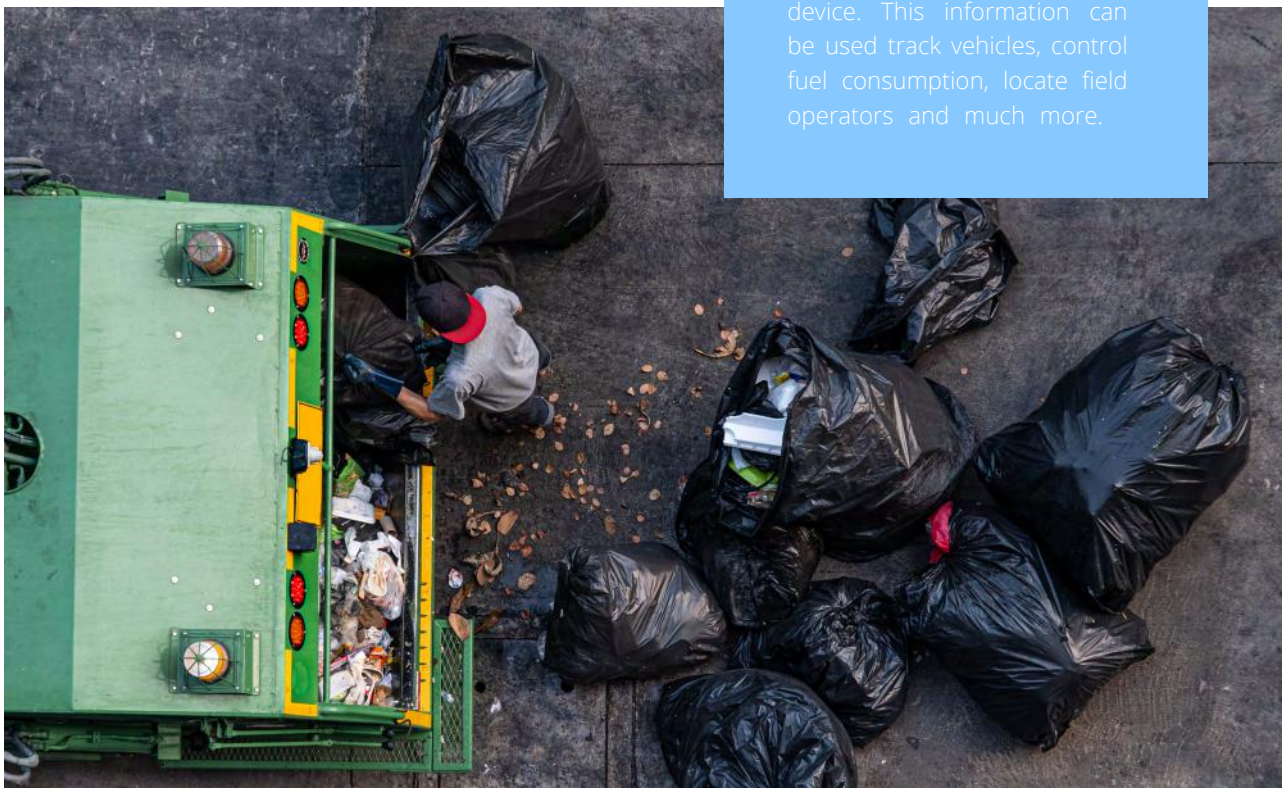
Municipalities and cities have thousands of waste vehicles, routes and drop-off points. However, many cities and municipalities face challenges tracking all waste-related mobile assets and ensuring that all waste related vehicles are maintained properly. Traditionally, these assets have been managed with spreadsheets, service forms, and other paper systems. However, these methods are just too slow to keep up with the speed of operations.

Proper management of these waste/sanitation assets require a more streamlined approach, allowing users to work digitally and in real-time. Smartpolis' waste management provides users the flexibility to manage and maintain all mobile assets and to optimize pick-up and drop-off locations with ease with ease and accessibility.

What is Waste Management?

Waste management refers to the ability to monitor and track all waste-related mobile assets. Mobile asset management is powered by systems that communicate with one another to make sure that each waste related mobile asset is operating properly.

All of this happens in real-time with data being accessible from any Smartpolis connected device. This information can be used track vehicles, control fuel consumption, locate field operators and much more.



WASTE MOBILE ASSET SOLUTIONS
SMARTPOLIS SOLUTIONS

Smartpolis has the ability to monitor and manage all types of waste-related mobile assets that a municipality has. Smartpolis' proprietary systems include a complete vehicle registry and maintenance management system that directly connects with HR management systems and work-order management systems.

Smartpolis' system consist of a GPS device that records detailed paths travelled by vehicles on web-based maps. Detailed information on distance travelled, time spent and vehicle speed is recorded and saved for later analysis. Through high accuracy GPS coordinate readings and managerial supervision, the system cuts associated costs such as gas costs & human error deviances while creating a safer working environment and providing field data statistics for logistics management.

KEY FEATURES

ROUTE OPTIMIZATION

Smartpolis' systems provide route optimization for all waste-related mobile assets. Smartpolis' systems and sensors will work together to generate the fastest route possible, cutting down on time and making operations more efficient.

REPORTS & ANALYTICS

Sensors and systems work together to compile large amounts of waste-related mobile asset data that is used for cost-control, asset performance, operator performance, maintenance records and much more. All of this is accessible from a user dashboard.

ACCESSIBILITY

All waste-related mobile asset management data can be accessed at any time, from any location. Users with proper clearance credentials can monitor assets 24/7 in real-time, always knowing what is happening and where it is happening.

PROCESS

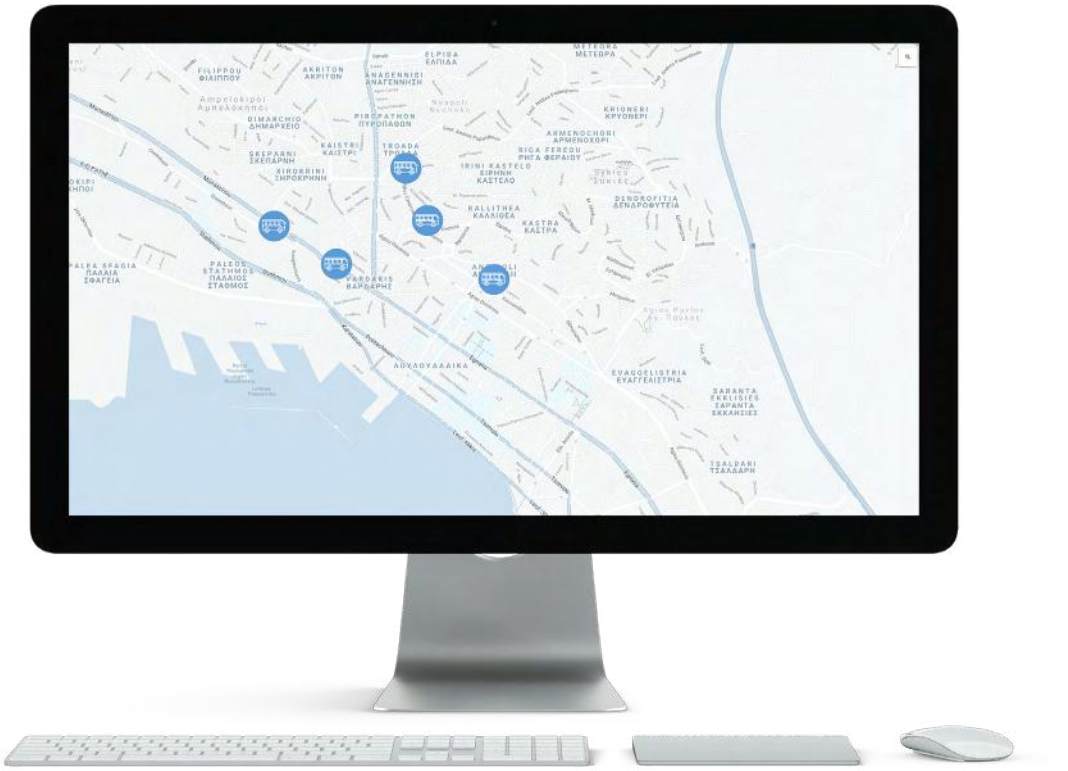
HOW IT WORKS

Smartpolis' uses a variety of proprietary systems and sensors to ensure that all waste-related assets are being monitored and maintained with the utmost care. Sensors and systems both communicate with one another to provide GPS locations, tracking, speed monitoring and much more. These systems receive data and automatically organize it so that it is easy to understand. These systems work together to provide clear logs, updates and alerts.

Sensor is placed in vehicle so it can be geo-referenced by Smartpolis systems.

Data is received and organized for viewing & decision making purposes.

Data is used for analytics and can be integrated into other operational systems.



DASHBOARD INTEGRATION

REPORTS

Waste-related mobile asset data from Smartpolis' systems are combined with productivity data from work order management systems and gas consumption from 3rd party systems to provide extensive auditing capabilities. Combining waste management with other Smartpolis systems creates a full 360˚ loop of management. Work order systems and Web-GIS are a necessity if all features of mobile asset management are to be unlocked.

Work order management systems can assist with deeper analytics and reporting, helping to create holistic check and balance systems that increase efficiency and save money.

Web-GIS assists in providing a real-time location for all waste-related mobile assets associated with a municipality. Users can view all waste-related mobile assets on a digital map to know the exact location of each vehicle. This also helps operators plan routes and make changes to pick-ups, drop offs on the fly.

Name	Date	GPS ID	Max Speed	Total Mileage
Sanitation Vehicle #402	2020-03-16	0006638841	77 km/hr	300km
Sanitation Vehicle #403	2020-03-16	0006537392	90km/h	210km

*Example of mileage reporting

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