MOBILE ASSET
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
MOBILE ASSETS

Municipalities and cities have thousands of buses, waste vehicles, trains, fleets and more that all need to be accounted for. However, many cities and municipalities face challenges tracking all mobile assets and ensuring that all 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 assets require a more streamlined approach, allowing users to work digitally and in real-time. Mobile asset management provides users the flexibility to manage and maintain all mobile assets with ease and accessibility.

What is Mobile Asset Management?

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

MOBILE ASSET SOLUTION
SMARTPOLIS SOLUTIONS

Smartpolis has the ability to monitor and manage all types of 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 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 mobile assets. Smartpolis' systems and sensors will work together to generate the fastest route possible for all mobile assets, cutting down on time and making operations more efficient.

REPORTS & ANALYTICS
Sensors and systems work together to compile large amounts of 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 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 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.

ALL TYPES
TYPES OF MOBILE ASSETS

A **Public Transit**
Buses and trains used for municipal public transport can be integrated to ensure everything is running on schedule.

B **Waste Management**
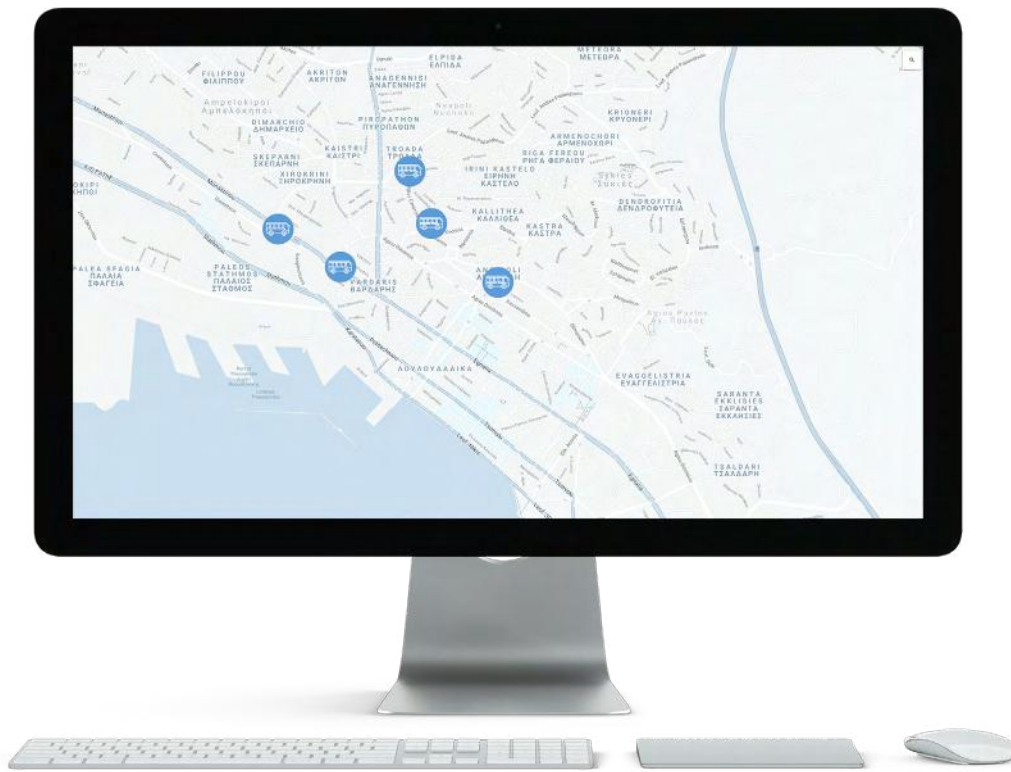Monitor waste vehicle locations and optimize pick-up routes to ensure waste is disposed of as efficiently as possible.

C **Emergency**
Avoid traffic and delays during emergencies by ensuring the fastest route possible to prevent damage and save lives.

D **Field Crews**
Manage and keep track of all mobile municipal crews with real-time GPS locations to ensure work is completed in a timely manner.

DASHBOARD INTEGRATION
REPORTS

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 mobile asset 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 help 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 mobile assets associated with a municipality. Users can view all 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 and emergency services on the fly.

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

*Example of mileage reporting

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