



# AGT and Cisco City Safety Solution: Making Cities Safe and Secure

## The Challenge

As cities continue to grow in number, size, and complexity, urban infrastructure and the services that rely on it are increasingly stressed. According to a recent study, the annual cost of crime in the US is \$3.2 trillion including both direct and indirect costs.<sup>1</sup> Of all urban services, safety is the most important as safer cities attract the investment, business, and skilled labor that fuels economic growth. To prosper, cities must invest in their safety infrastructure today to position themselves for the future.

## The Solution

The AGT and Cisco® City Safety Solution, part of the broader Cisco Smart+Connected™ City Safety and Security Solution, takes advantage of the Internet of Everything (IoE), the next step in the evolution of the Internet that connects people, process, data, and things, to better protect cities against crime, terrorism, and civil unrest. It helps law enforcement agencies monitor public areas, accurately detect incidents early on, track suspects, and respond faster through analysis of unusual activity patterns. The solution stands out with two important innovations: the fusing of data from multiple sources to identify real incidents and reduce false alarms, and the integration of multiple applications into one comprehensive solution.

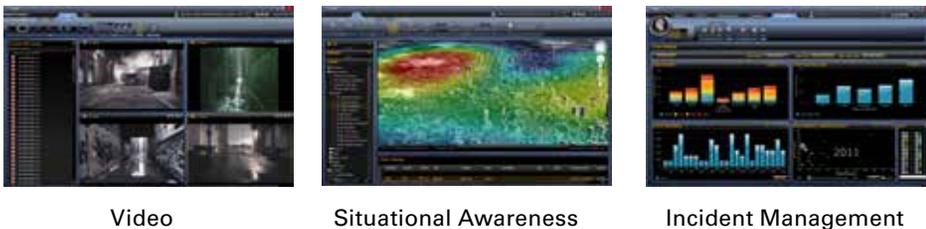
### The AGT and Cisco City Safety Solution:

- Collects data from a variety of sensors and stores it for processing
- Fuses, filters, and applies advanced analytics to the collected data to identify the most relevant information
- Visualizes the relevant information using layers to increase situational awareness
- Supports a wide variety of other integrated partner applications and analytics

### It also provides operators with the following command and control tools (Figure 1):

- **Video:** Helps validate detected incidents in real time to decrease false alarms
- **Situational awareness:** Highlights threats, suspects, and their locations on a map in real time
- **Incident management:** Handles events over their lifecycle and shares event details with responders using mobile applications

Figure 1 AGT's CityMIND Integrates Innovative City Safety Solution Command and Control Tools



<sup>1</sup> "Cost of Crime" by David. A. Anderson, Centre College's Paul G. Blazer Professor of Economics, Foundations and Trends in Microeconomics, Vol. 7: No 3, published in 2012.



## Key Capabilities

### Location Monitoring

- Displays live video from any surveillance camera and presents live conditions on a map
- Collects data on crime type and location
- Monitors social media for possible threats

### Incident Detection and Management

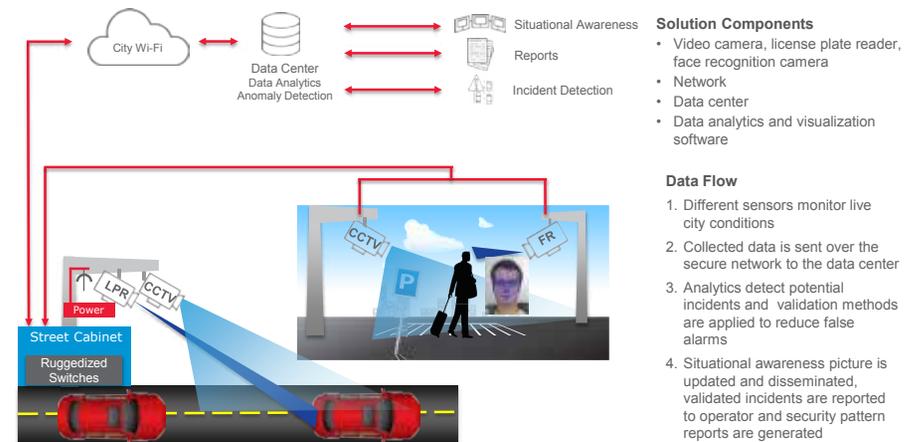
- Identifies threats, safety, and security incidents by fusing multiple inputs, displays their locations on a map, and alerts operators
- Automatically creates an incident record and collects all relevant data into an incident management kit for operators
- Provides recommended procedures automatically to guide operators quickly through the response process
- Helps ensure continuous communication with responders

### Analytics, Reporting, and Administration

- Visualizes crime trends to identify issues
- Reports distribution of crime by frequency, location, and more
- Reports and helps predict crime patterns

## How it Works

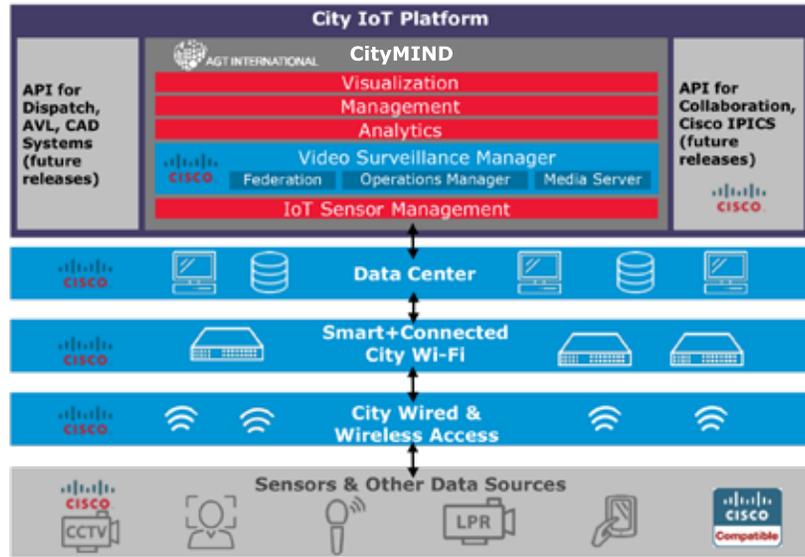
Figure 2 How the AGT and Cisco City Safety Solution Works





## Solution Architecture

Figure 3 AGT and Cisco City Safety Solution High-Level Architecture



## Technical Components

### AGT

- CityMIND platform modules: visualization, management, analytics, and IoT sensor management
- Integrated license plate readers and microphones
- Integrated face recognition analytics
- Integrated video analytics

### Cisco

- Intelligent IP cameras, video encoders and Cisco Video Surveillance Manager
- Ruggedized wireless access points and industrial Ethernet switches
- Core network and end-to-end IoT architecture
- Unified data center infrastructure

## Services

The AGT and Cisco City Safety Solution analytics and the unique concept-of-operations (CONOPS) service blend operational, technical, and design expertise, based on a deep understanding and breadth of experience in city safety threats, risks, impacts, best practices, and law enforcement operations. Because CONOPS is the driver of the solution design, it helps ensure that city problems are addressed using the most appropriate technology and procedures.

The solution is supported by a full suite of professional services, including consulting, design, integration, and implementation services, as well as training, support, and maintenance.

## Benefits

Cities	Traffic Departments	Citizens
<ul style="list-style-type: none"> <li>• Reduced crime</li> <li>• Increased attractiveness to businesses and residents</li> <li>• Improved planning and resource allocation</li> </ul>	<ul style="list-style-type: none"> <li>• Higher rate of incident detection</li> <li>• Automated incident detection and quicker response</li> <li>• Increased situational awareness</li> <li>• More effective operations</li> <li>• Optimized budget</li> </ul>	<ul style="list-style-type: none"> <li>• Safer streets and neighborhoods</li> <li>• Ability to report city safety incidents</li> <li>• Improved communications about incidents</li> </ul>

## Why AGT and Cisco?

AGT, a leader in analytics and prediction software solutions, and Cisco, the worldwide leader in IT, together deliver a pre-integrated, validated City Safety Solution supported by professional services to help make cities safe and secure. Important innovations, such as data fusion to reduce false alarms and the integration of multiple applications into a comprehensive system, make it the solution of choice for today's demanding law enforcement departments and city planners.

## For More Information

For further information contact your local AGT or Cisco sales representative, or visit:

[www.cisco.com/go/smartconnectedcommunities](http://www.cisco.com/go/smartconnectedcommunities)

[www.cisco.com/go/iot](http://www.cisco.com/go/iot)

[www.agtinternational.com/connectedcity](http://www.agtinternational.com/connectedcity)