CymbIoT
Safe City
Case Study

Kingston, Jamaica Safe City

250 Cameras

Seamless surveillance across multiple cameras and locations.

Kingston

Analytics

Motion, speed, presence, crowd management, etc.

Municipal C&C

Dedicated municipal C&C for managing safety, traffic, and more.

Police C&C

Dedicated Police C&C for crime & vagrancy control.

Multi Tenant

Multi tenant operation enabling parallel secure operation in 2 C&Cs.

OVERVIEW

CymbIoT provided Kingston Municipality & Police with a unified system for managing Safe City operations. With 250 cameras with CymbIoT analytics serving two Command & Control centers, the integrated solution enables users to manage multiple events: from traffic jams, through accidents, to vandalism, crime, and vagrancy. Special bay-located cameras help track and provide warning against high water and flooding.

The integrated **CymbIoT** solution fuses data from all city cameras, and adds server-side and sensor-side analytics to extract real-time information and enable the **CymbIoT** BI engine to fuse the data and provide warning, as well as response & management capabilities. With multiple users from different authorities managing the system, **CymbIoT** provides multi-tenant capabilities and manages roles, users, and permissions across organizations.

MAIN OPERATIONAL DELIVERY

- Automatic detection & warning for traffic jams & accidents
- Automatic detection & warning for vandalism & vagrancy
- Visual Analytics for monitoring and identifying abnormalities
- Face Recognition for identifying and pursuing suspects
- Early warning for bay high water, flooding, & overflow

CYMBIOT COMMAND & CONTROL

CymbIoT Command & Control integrates data from all operational systems and surveillance sensors, providing operators of all types with actionable information and real-time response capabilities.

CymbIoT C&C ensures smooth "handover" between monitoring elements (different cameras & analytics), and between operational systems (traffic lights & police dispatch).

The C&C receives, integrates, analyzes, and releases information to users across the city & police organizations, according to predefined procedures, roles, and permissions.

OPERATIONAL INTEGRATION

- Fusing of data from multiple cameras
- Server-side analytics for various cameras
- Real-time warning for predefined events
- Multi-tenant support for different agencies

SURVEILLANCE & MONITORING

- Absolute surveillance across multiple cameras.
- Operational connectivity of all cameras for complete Field of vision & Line of Sight.
- "Back to the future " - track a moving object at X16.

ANALYTICS

- Face recognition
- Speed & motion
- Multiple cell occupancy (traffic)
- Vagrancy (overlong presence)
- Abnormal activity alerts
- Face recognition

CymbIoT
Making IoT Smarter

CymbIoT's mission is to design, implement and deliver advanced Internet of Things (IoT), Video Management Solution (VMS), and Command & Control (C&C) platforms. We empower end users to configure and manage integrated networks of all types and scales - from Smart and Safe Cities, through Transportation Hub security, to Smart Buildings and Enterprise management.

With millions of sensors across numerous verticals using our products to deliver actionable intelligence and real-time response capabilities to customers worldwide - we have the experience, know-how and technology to deliver real world solutions that work.

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