CymbIoT
Smart Hospital
Case Study

Spitalul Universitar De Urgenta
Bucharest, Romania

ANALYTICS

Headcount, occupancy alert, Face Recognition, License Plate Recognition (LPR)

PROCEDURES

Automatic management of operational processes

Hybrid C&C

Command & Control for data fusion and integration with hospital systems, combining **on premise and cloud architecture**

ASSET MANAGEMENT

Active RFID tags to track empty beds and medical equipment

SURVEILLANCE

Monitoring people entering restricted areas
General hospital CCTV monitoring and management

TRACKING

Monitoring GPS devices mounted on hospital vehicles through the GIS module, applying geo-fencing and other automated alerts

Bucharest

OVERVIEW

CymbIoT's Healthcare C&C integrates sensors and operational systems into a single network, allowing providers to manage care processes, as well as provide valuable services to patients and caregivers.

MAIN OPERATIONAL DELIVERY

- Seamless visual monitoring of patients, staff, and objects
- Endless tracking of assets both indoor (RFID) and outdoor (GPS)
- Object counting: people, vehicles
- Monitoring of activity in No Entry/Staff Only areas (including face recognition)
- Parking management
- Nursing monitoring room – proving real-time alerts on patients - falling off the bed, panic/assistance button, general room/corridor surveillance, aggression detection via sound analytics (shouting, glass break, shooting)

SUCCESS STORIES

HIT & RUN – surveillance system data identified perpetrator

EVIDENCE – several cases of system data presented in court

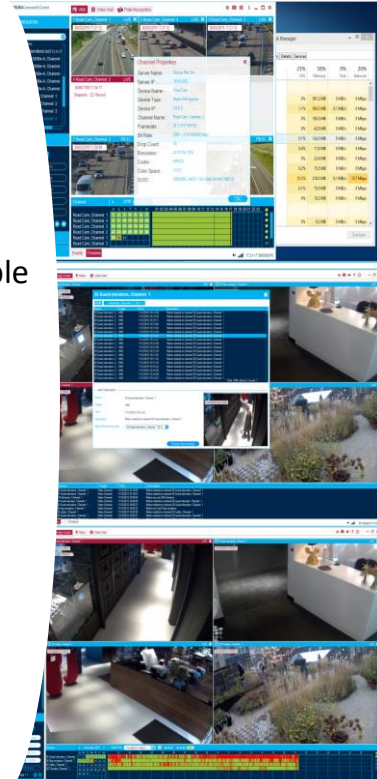**THEFT** – identified culprit in a case of stolen goods from storage

CYMBIOT COMMAND & CONTROL

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

CymbIoT C&C ensures smooth "handover" between monitoring elements (tracking an object across multiple sensors), and between operational systems (door closing triggers light switch).

The C&C receives, integrates, analyzes, and releases information to users across the hotel organization, according to predefined procedures and permissions.

MOVING OBJECT TRACKING

- 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.

OPERATIONAL INTEGRATION

- Guest headcount
- Environmental control
- Snack Bar & Room Service tracking
- Access Control
- Reservations & Check In
- Parking Management

ANALYTICS

- Headcount comparison
- Alert for unexpected occupancy
- Configuration of No Entry zones

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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