CymbIoT
Making IoT Smarter

Safe Nation Solution

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The CymbloT Offering

Product, not Program

Market-available, off-the-shelf product with over 50 IoT use cases.

Immediate ROI

Immediate ROI for cities and enterprises via integration of existing systems and sensors within 14 days

Flexible

Flexible integration engine to support any sensor and system:
- 70+ formats supported
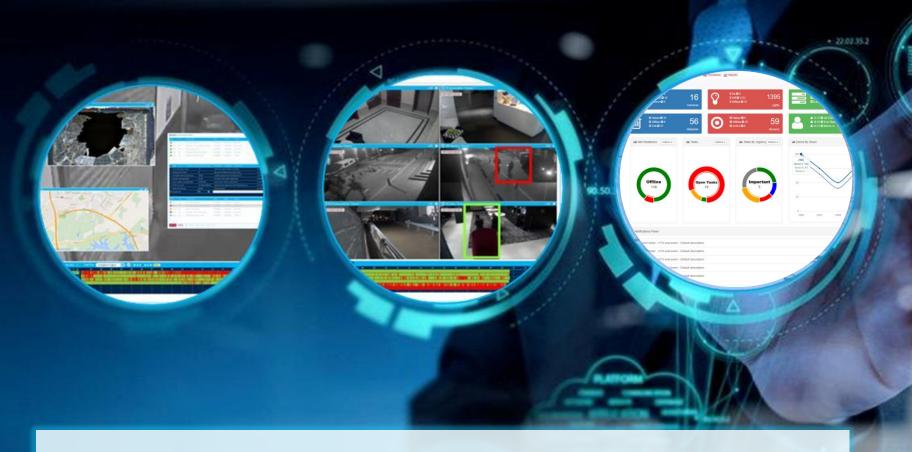- Up to 14 days for deployment of new format

Tested & Proven

Scalable & Robust architecture supporting any kind of deployment- cloud & on premise.

The CymbIoT Product

An **off-the-shelf** IOT management **product** that supports **rapid integration** of **new & existing systems** and sensors for **efficiency, security** – and **immediate ROI**.

CymbIoT C&C Core Features

Maps
Operational GIS dynamic navigation maps.

Scalability
Endless connectivity with standard COTS HW.

BI Data Fusion
Real-time data & operational fusion of all systems.

Advanced VMS
Internal VMS and 3rd party video support.

Analytics
Video, Audio & Data Analytics turn data to triggers.

Automation
Flexible process automation wizards.

Architecture
Hybrid cloud and on premise deployments.
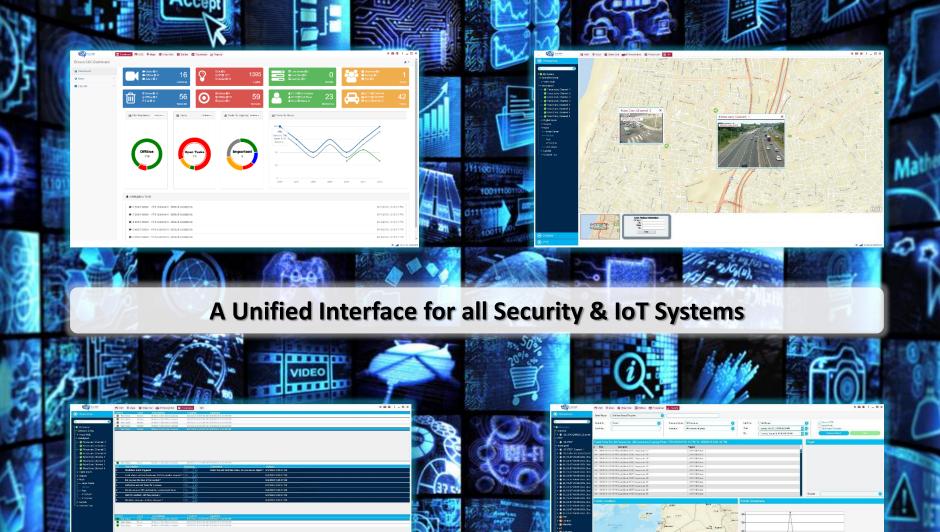
Agnostic
Integrate any 3rd party element.

Customization
On the fly UI design per need.

A Unified Interface for all Security & IoT Systems

Reporting & Task Management Module for Cross-system Queries

Cloud-based & Onsite Deployments

Support for Proprietary VMS & Internal Video Analytics

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Challenges of State Level Security

Complexity

Mixture of cities, villages, farms, factories, etc.

Terrain

Mountains, rivers, and other terrain that is difficult to monitor.

Size

The size of the territory that must be monitored and managed.

Daily Life

Safety activities cannot hinder the daily life of citizens and visitors.

The CymbIoT Smart State Concept

Monitor People

Security threats are posed by people: track persons of interest throughout the state, focusing on their location and activities.

Critical Technology

Track critical technologies such as cellular phones and cars, both of which must be used at some points by persons of interest.

Monitor Routes

Monitor transportation routes to help track persons of interest and form state-wide intelligence networks

Monitor Cities

Utilize the population and technology density to create accurate intelligence maps in urban centers

Close the Circle

Close the intelligence and operational circle by training rapid response teams to react to security alerts and manage threats in real time.

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Urban Deployment

Each of the program cities will have full security and monitoring coverage, provided by the following sensor installations:

Smart Lights
Provide power, communication, and wifi capabilities, supporting additional sensors (cameras, crowd-meters, etc.) .

External PTZ cameras
Day/night visual monitoring with sensor-side Analytics.

Gunshot Detectors
Gunshot detection units.

IMSI Catchers
Intercept mobile phone traffic and track mobile phone users.

WIFI Interceptors
Intercept wifi traffic and identify network users.

CITY A

CITY B

CITY B

Critical Route Deployment

CITY A

CITY B

CITY B

Highways and main routes between urban centers will be covered by cellular and vehicle tracking technology, to complete the state-wide intelligence coverage:

LPR Gates
License Plate Recognition sensors.

IMSI Catchers
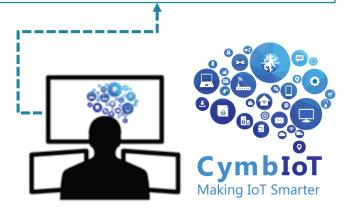Intercept mobile phone traffic and track mobile phone users.

Fusing visual, audio, and cellular data from urban centers, with cellular and vehicle data from roads and highways gives a state-wide intelligence map that can identify threats and alert in real time.
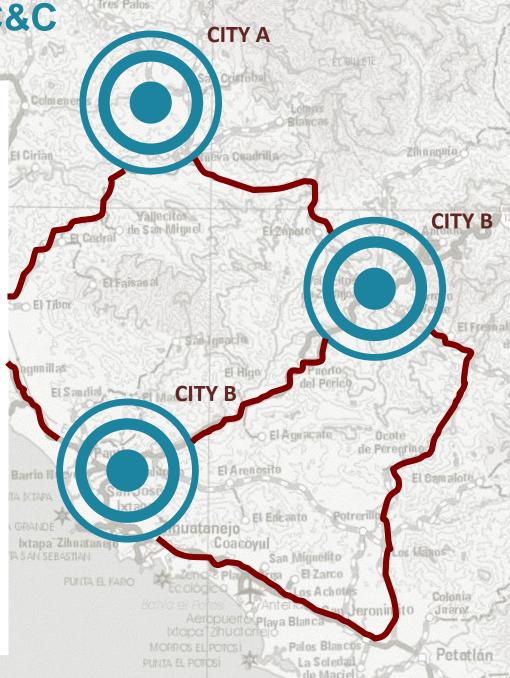
Fusion with CymbIoT C&C

The CymbIoT Command & Control system fuses data from all sensors and subsystems, correlating cellular data with visual data, audio data, vehicle data etc, to generate a real time state-wide situation map.

- ▶ Virtually limitless scalability & flexibility
- ▶ Object tracking with limitless sensor linking
- ▶ GUI customization on user level
- ▶ Automatic process management
- ▶ Integration with any 3rd party sensor or system

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CITY A
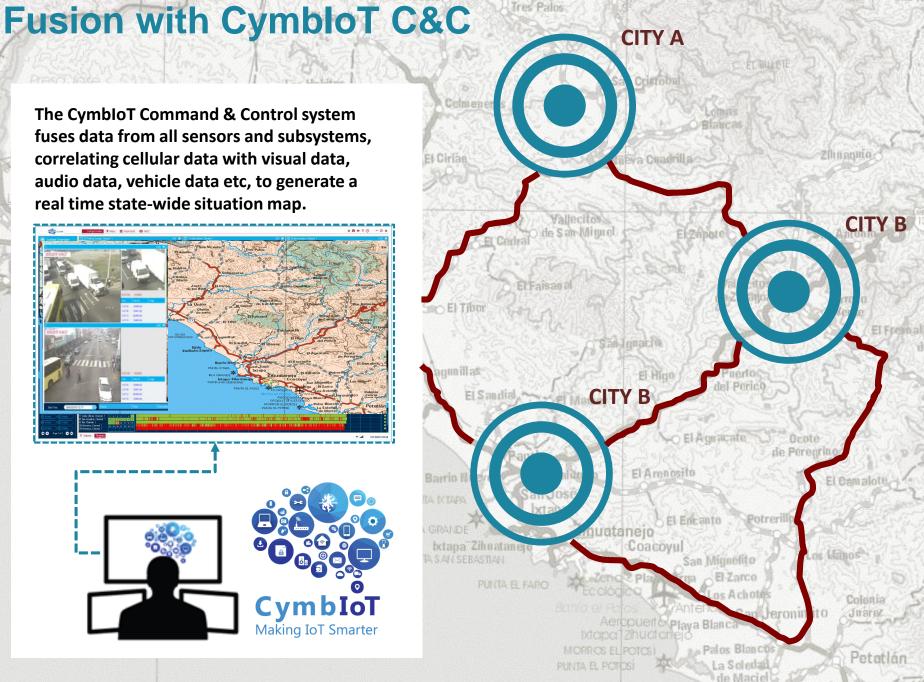
CITY B

CITY B

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CITY A

CITY B

CITY B

Closing the Operational Circle

The final element in the CymbIoT Safe Smart State program is the human element, which closes the operational security circle by:

▶ Responding to system alerts and prompts

▶ Effectively apprehending identified suspects

▶ Stopping criminal activity

▶ De-escalating threats in progress

CITY A

CITY B

CITY B

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Why Choose CymbIoT C&C?

A single Command & Control interface for all existing and new sensors, systems, and subsystems, providing:

Rapid, out-of-the box integration.

Immediate ROI from Day One

Interface between all data & systems.

UX for operational & executive levels.

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Some Global References…

NETHERLANDS
Hyatt Hotel Chain
Management & Security

ISRAEL
4 Smart City Programs

MEXICO
Federal Jail Management
& Security

JAMAICA
Kingston Safe City

NEPAL
International Airport
Management & Security

NETHERLANDS
Private port Management
& Security

SINGAPORE
Safe Transit Program

INDIA
Petrol Station
Management & Security

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HEADQUARTERS

Mail: P.O.B 37, Azur 5819001
                  ISRAEL
Tel: +972 (0)3-631-6881
Contact Us: info@cymbiot.com

SINGAPORE OFFICE

Mail: 6A Shenton Way
                  SINGAPORE 068807
Contact Us: APJ@cymbiot.com

ROMANIA OFFICE

Mail: Hareju 29, 2nd District, Arh.
                  Bucharest, ROMANIA
Contact Us: office@cymbiot.ro

ONLINE CONTACT

www.cymbiot.com/contact