



CymbIoT
Making IoT Smarter



Smart Building Solution

About CymbIoT

The CymbIoT Smart Building

Operational Scenarios

Why CymbIoT?

The Problem

Millions of dollars spent on IOT sensors & systems annually.

No interconnectivity of data & operations.

Integration projects demand high time & budget investments.

Insufficient ROI in IOT for Smart Buildings and Enterprises.

The CymbloT Solution



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

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.

CymbloT 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

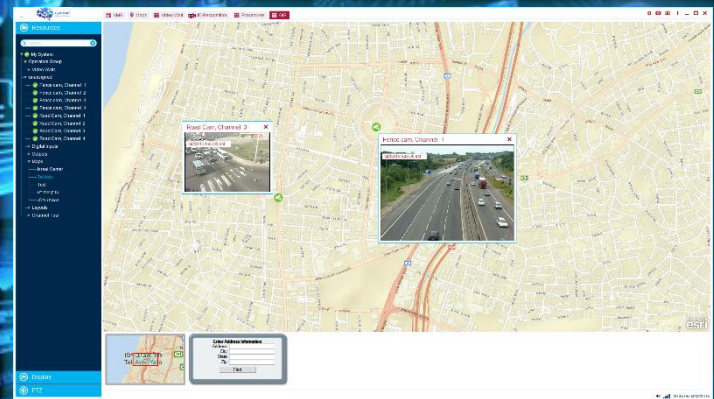
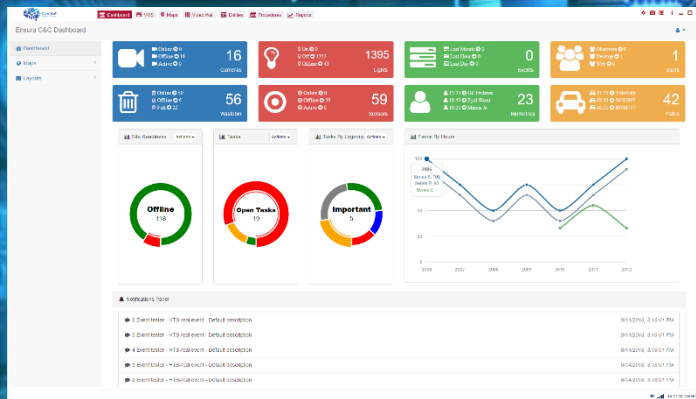
Integrate any 3rd party element.



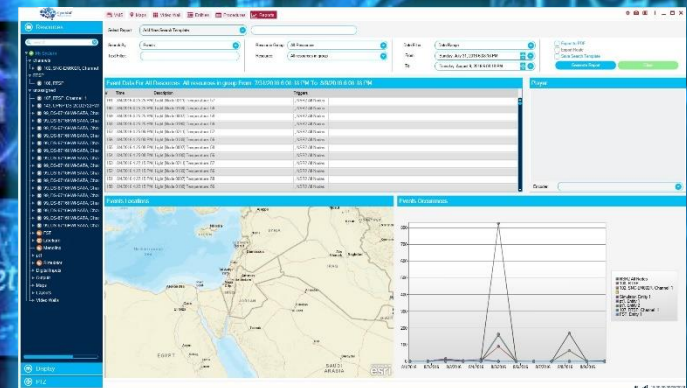
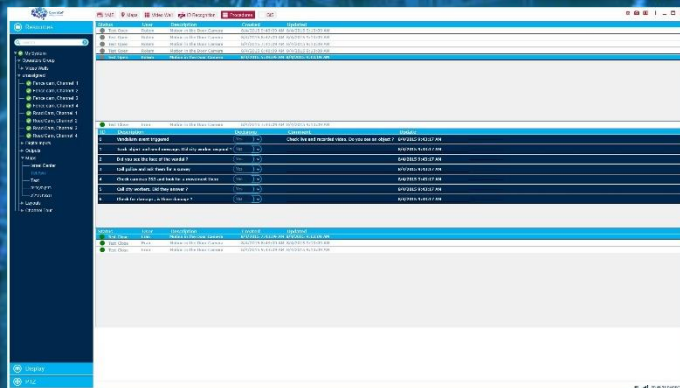
Customization

On the fly UI design per need.

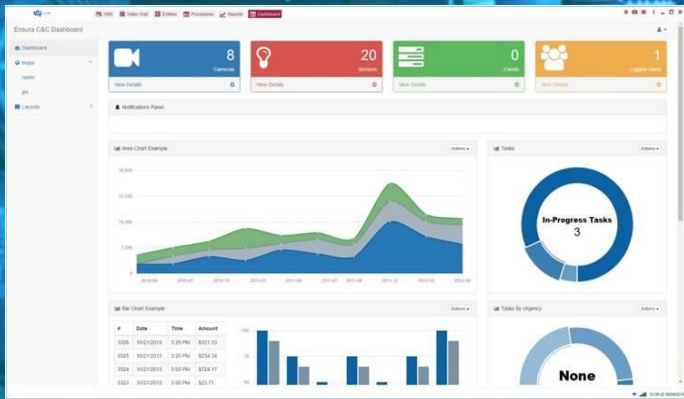




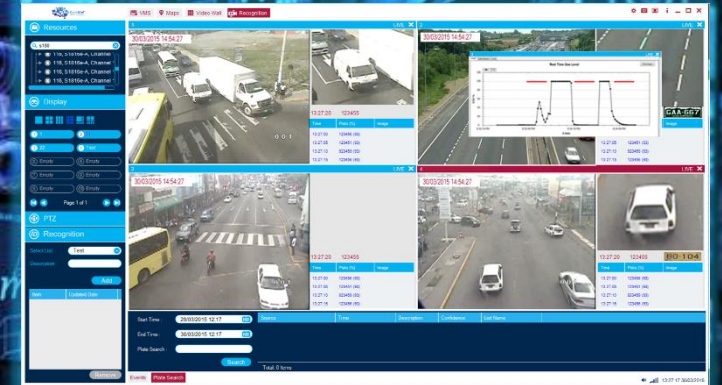
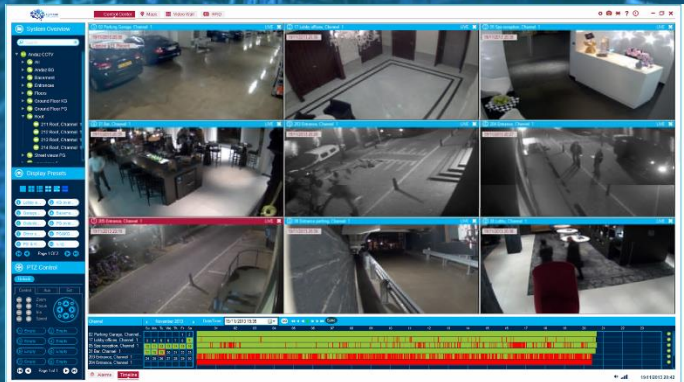
A Unified Interface for all Security & IoT Systems



Reporting & Task Management Module for Cross-system Queries



Cloud-based & Onsite Deployments



Support for Proprietary VMS & Internal Video Analytics

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CymbloT Smart Building Concept

Easy

The CymbIoT Smart Building provides services that make living in the building an enjoyable experience.



Green

Efficient management of resources (power, water, etc.) deliver financial savings and green sustainability.



Friendly

Services offered by the CymbIoT Smart Building are easily accessed by devices and users of all types.



Secure

With security and access control systems, along with resident and guest ID services, an CymbIoT Building is a safe building.



Private

All data managed by CymbIoT Smart Buildings is secure, with private data (codes, tasks, service calls etc.) accessible only to residents.



Sustainable

CymbIoT Smart Building systems are designed for maintenance, scalability, and growth – no “White Elephants.”



Smart Building Exterior



Solar Water Collectors

Sensors that track solar water collector level, temp., pressure, etc.



Waste Management

Sensors in containers that track waste collection, call trucks, etc.



Access Control

Cameras, coders, face recognition etc. for guest/resident Access Control .



Infrastructure Sensors

Seismic sensors, vibration sensors, water pressure sensors, etc..



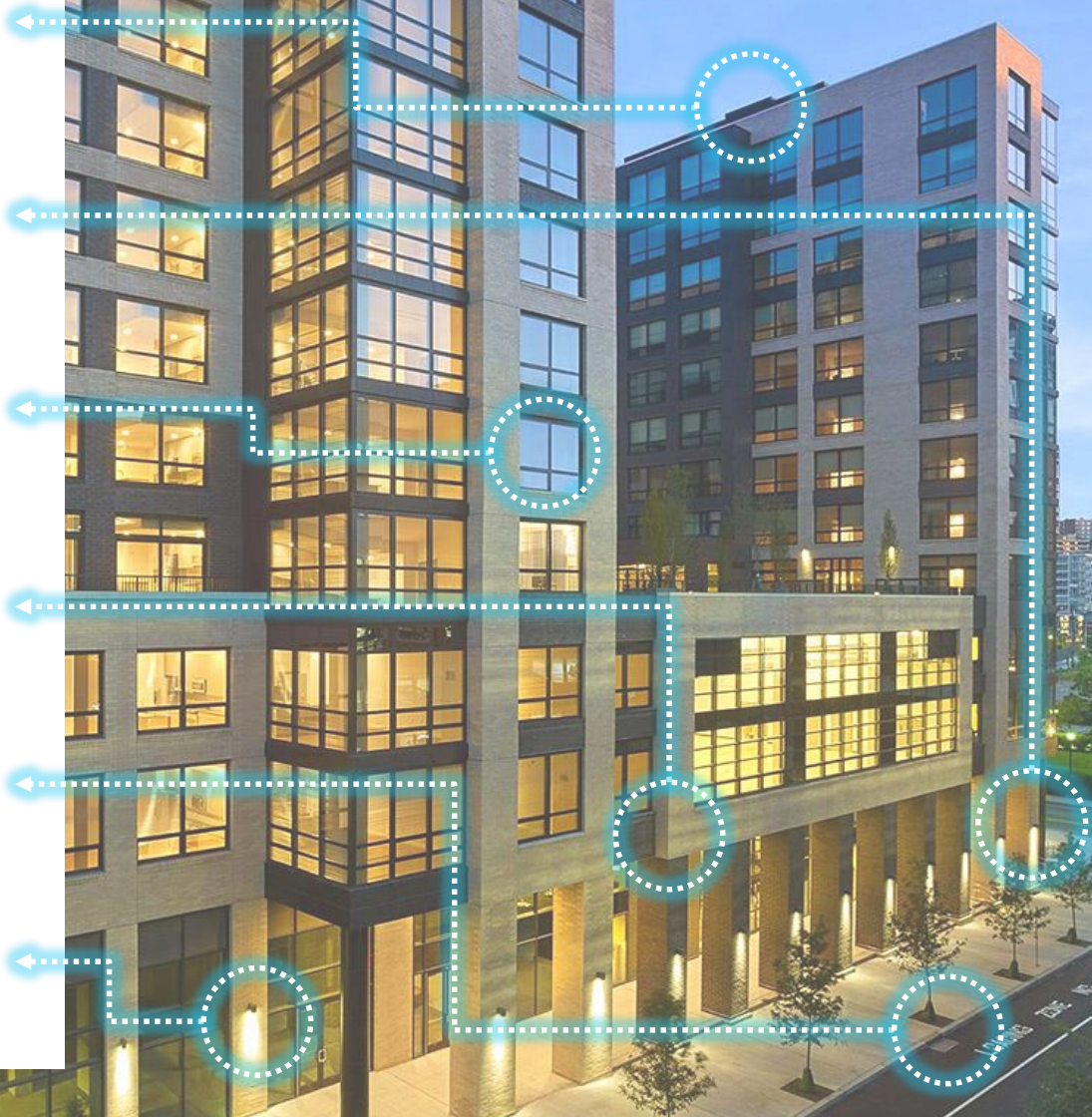
Smart Parking

Tracking and location of free parking.



Smart Lights

Building wifi + on/off/dim by schedule or ambient light conditions.



Smart Building Lobby



Access Control/Security

Cameras & audio sensors for Access Control & security services.



Analytics

Audio & Visual Analytics for object tracking, identification anomalies, etc.



Smart Elevators

Smart elevators that can be ordered via app, programmed for Shabat, etc.



Smart Signs

Displaying service messages, resident messages, news, etc.



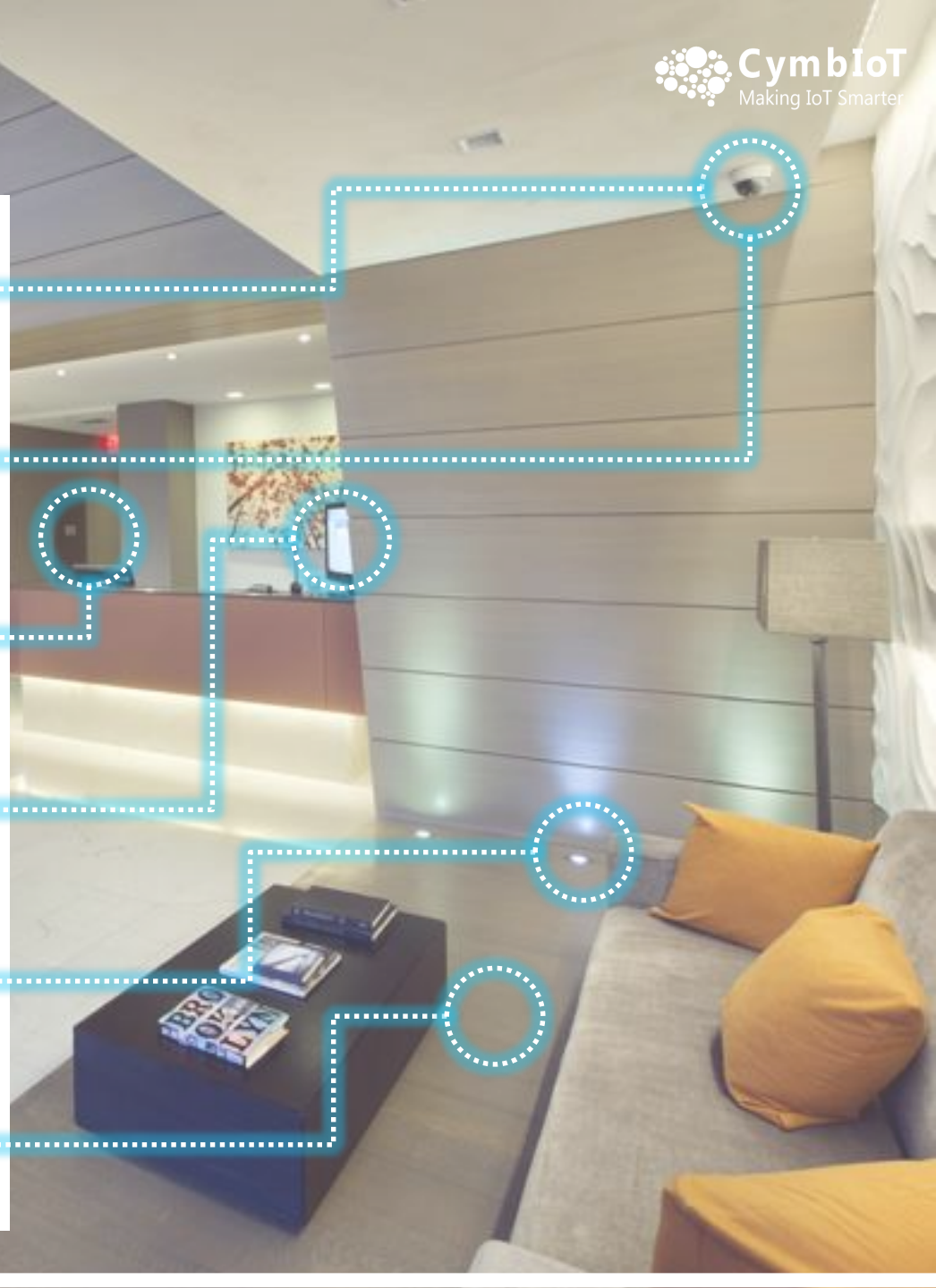
Smart Lights

Building wifi + on/off/dim by schedule or ambient light conditions.



Emergency Sensors

Seismic sensors, smoke alarms etc. to alert for flooding, fire, etc.



Smart Apartment



Smart A/C

Management of A/C by presence, schedule, temperature, etc.



Smart Utilities

Electricity, water, phone lines etc. – turn on/off, track status and manage.



Smart Curtains

Open/partial/close curtains via app. By schedule, presence, ad-hoc, etc.



Smart Tracking

Track important items and pets via RFID tags & our app.



Panic Button

Emergency button with direct contact to police, ambulance, etc..



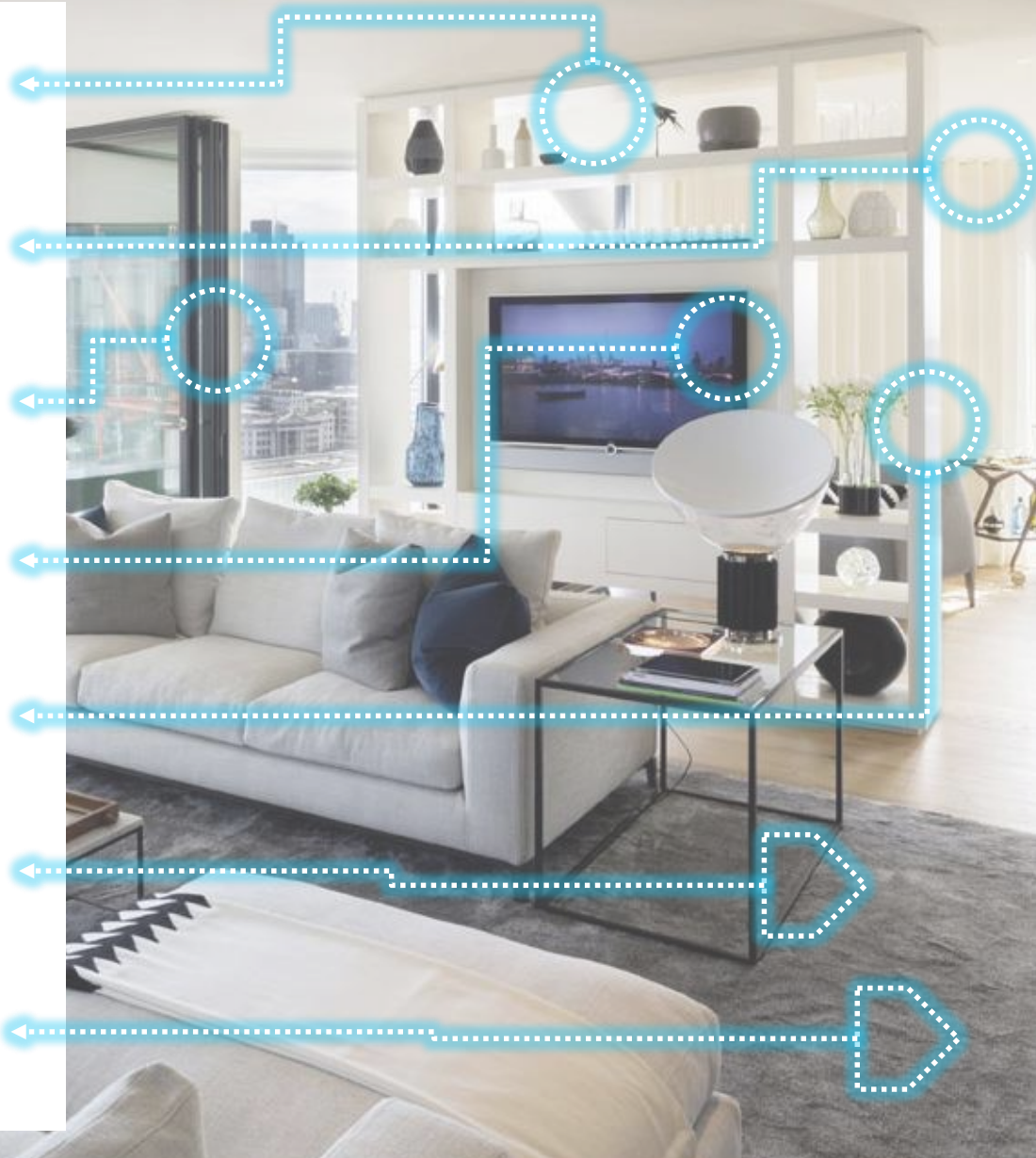
Smart Locks

Lock & unlock doors using Smartphone. Entry permissions, etc.



Surveillance & Security

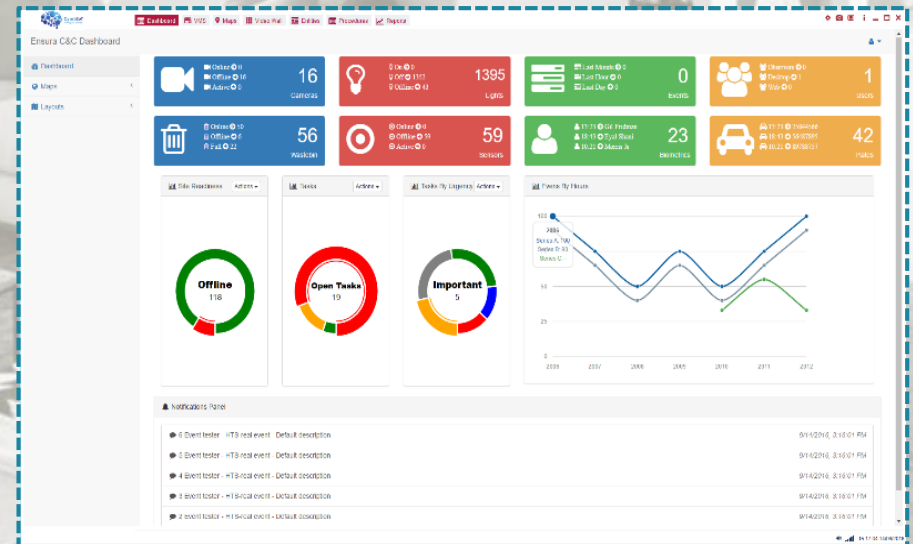
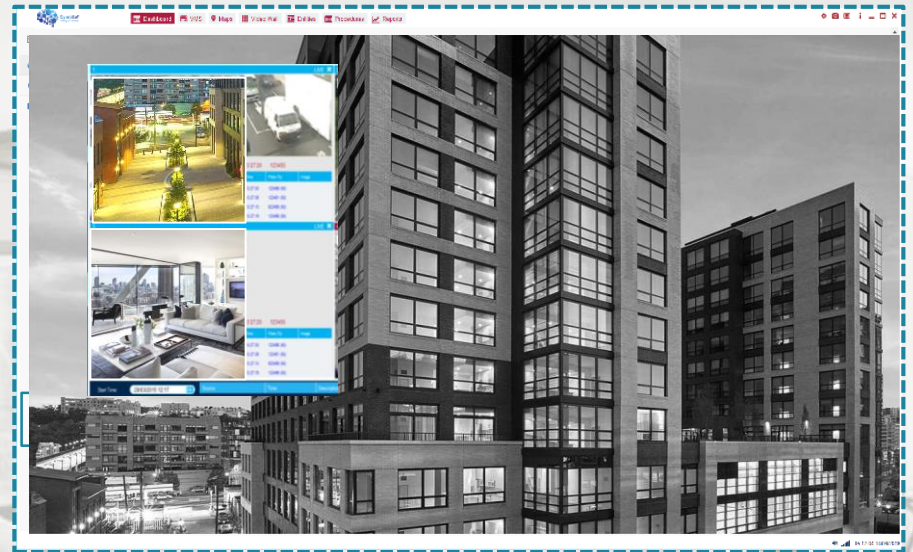
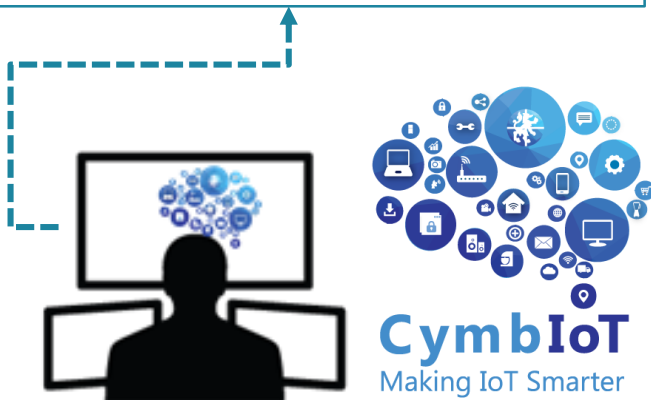
Resident-only surveillance: track service personnel, children, etc.



Fusion with CymbIoT Smart Building

CymbIoT integrates all sensors and subsystems, correlating all types of data with operational triggers, and providing real-time status, analysis, and response capabilities to residents & managers:

- ▶ Virtually limitless scalability & flexibility
- ▶ Powerful automatic process engine
- ▶ Permission-based GUI customization per user
- ▶ Operator Dashboard & Executive Dashboard
- ▶ Integration with any 3rd party sensor or system



CymbloT Smart Building Management

CymbloT provides Building Managers with a range of tools for managing Smart Buildings, including:



Maintenance Schedule

Tracks schedule maintenance and expected operational life on all building systems.



Alarms

Real-time notification and tracking of alarm events.



Smart Signs

Configuration of smart sign feeds & messages throughout building.



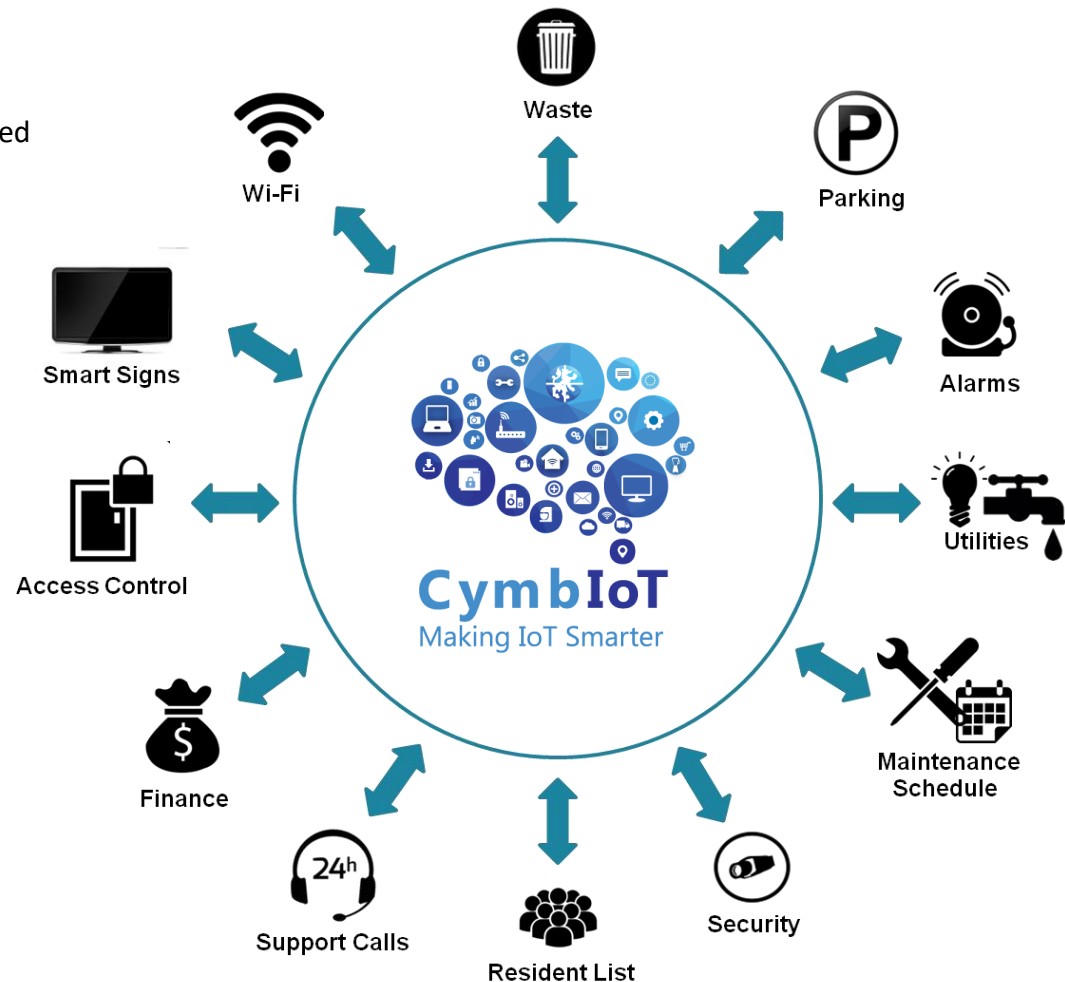
Dashboard

Unified dashboard view for real-time one-glance status.



Access Control

Maintenance of Access control and Blacklist data and operations.



CymbloT Smart Building Residents

CymbloT provides Building residents with a range of tools for managing their Smart Building experience, including a mobile app with modules such as:



Apartment

Control & schedule lights, curtains, A/C, etc.



Access List

Invite guests to building, configure smart Locks, etc.



Tracking

Track valuables or pets via Smart Tags



Bills

Manage utilities bills, building payments, etc.



Service Calls

Initiate and track service calls (technicians etc.)



Parking

Locate free spaces around building.



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Smart Building Operational Scenario

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 - LPR identifies car license plate
 - Parking camera identifies guest
 - Resident swipes key card



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3. Data is sent to CymbIoT C&C
4. C&C analyzes data and implements processes:



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2. CymbIoT sensors collect data:
 - LPR identifies car license plate
 - Parking camera identifies guest
 - Resident swipes key card
3. Data is sent to CymbIoT C&C
4. C&C analyzes data and implements processes:
 - Opens parking gate
 - Updates security guard
 - Sends guest text with directions to free parking
 - Turns on A/C & light in resident apartment.



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Why CymbIoT?

► 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.



CymbIoT
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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