



CymbIoT
Making IoT Smarter



Unified Access Management Solution

About CymbloT

Unified Access Management (UAM)

CymbloT UAM Solution

CymbloT UAM Scenarios

Why CymbloT ?

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



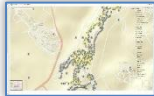
Tested & Proven

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

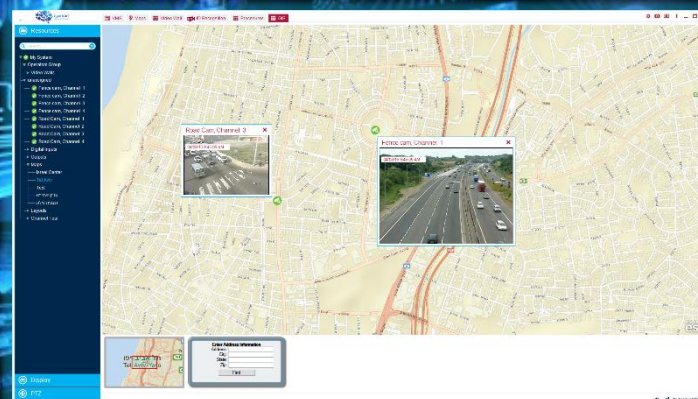
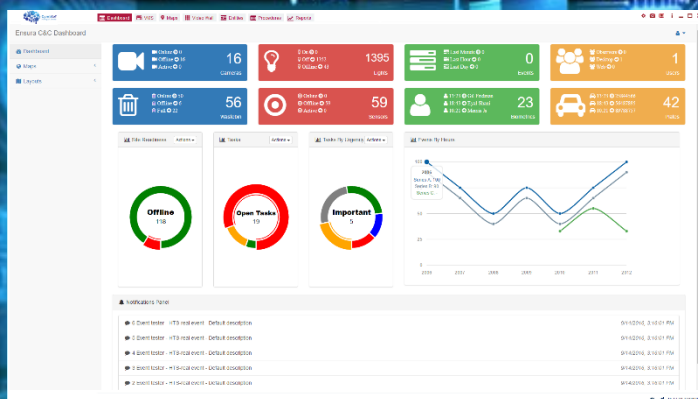
Integrate any 3rd party element.



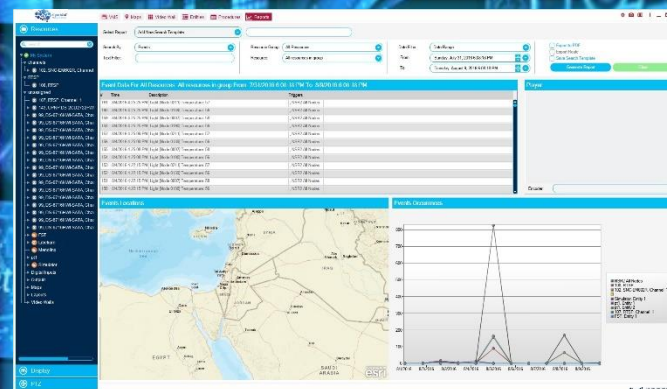
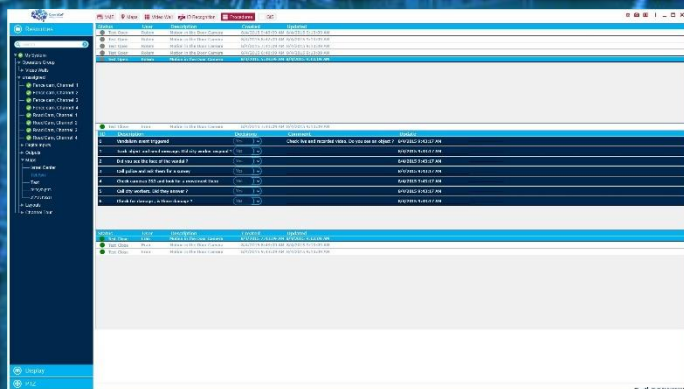
Customization

On the fly UI design per need.





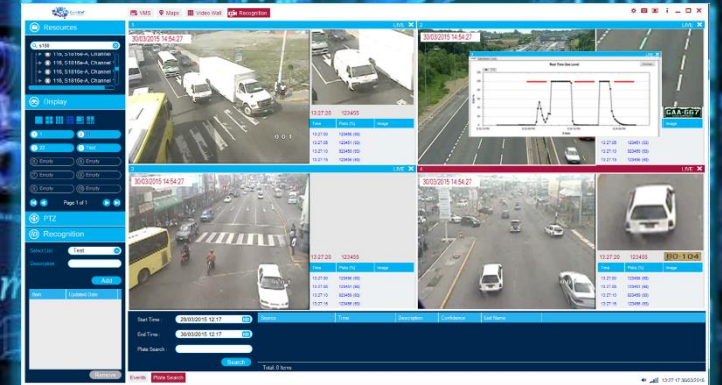
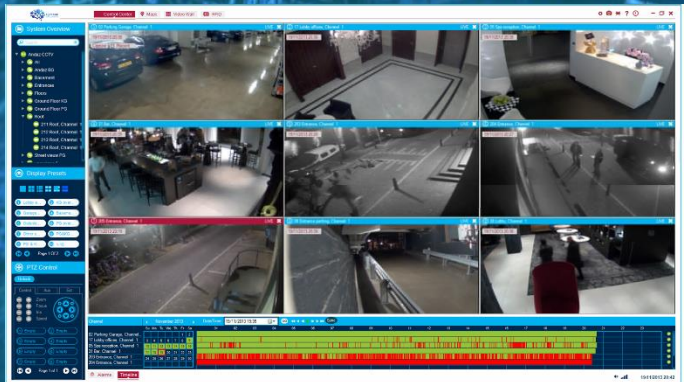
A Unified Interface for all Security & IoT Systems



Reporting & Task Management Module for Cross-system Queries



Cloud-based & Onsite Deployments



Support for Proprietary VMS & Internal Video Analytics

About CymbloT

Unified Access Management (UAM)

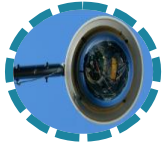
CymbloT UAM Solution

CymbloT UAM Scenarios

Why CymbloT ?

Unified Access Management (UAM)

CymbloT C&C is a flexible, scalable, off-the-shelf Event & Process Management platform that supports CONOPs implementation and simplified integration of multiple gate related systems (Video, Audio, Gates, Scanners, Access Control, ANPR, etc.) under a unique BI engine which implements access procedures.



Scalability

Virtually endless scalability.

Tracking

Track objects across multiple sensors – limitless crosslinking

Integration

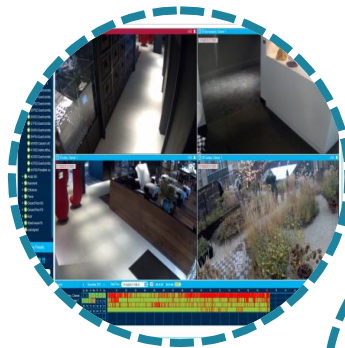
Integration with any 3rd party sensor, system, or application.

Wizards

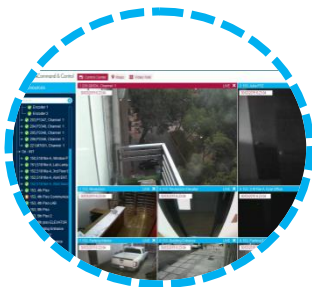
User-friendly and system-supported operation.

Triggers

Automatic process management linked to sensor triggers.



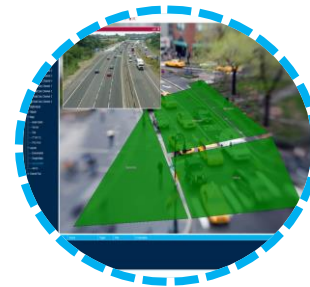
UAM Core Features



Visuals- rich, customizable visual interface



Fusion – integration of multiple systems on the operational and data level



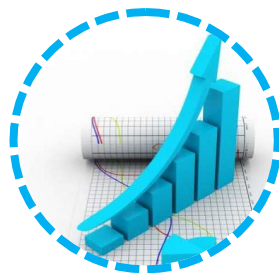
Video Analytics – integral video analytics for real-time intelligence



Logic Engine – for automatic process management



Sensor Agnostic– integrate any 3rd party element



Scalability – connect endless sensors and systems



Automation– flexible process automation wizards



About CymbloT

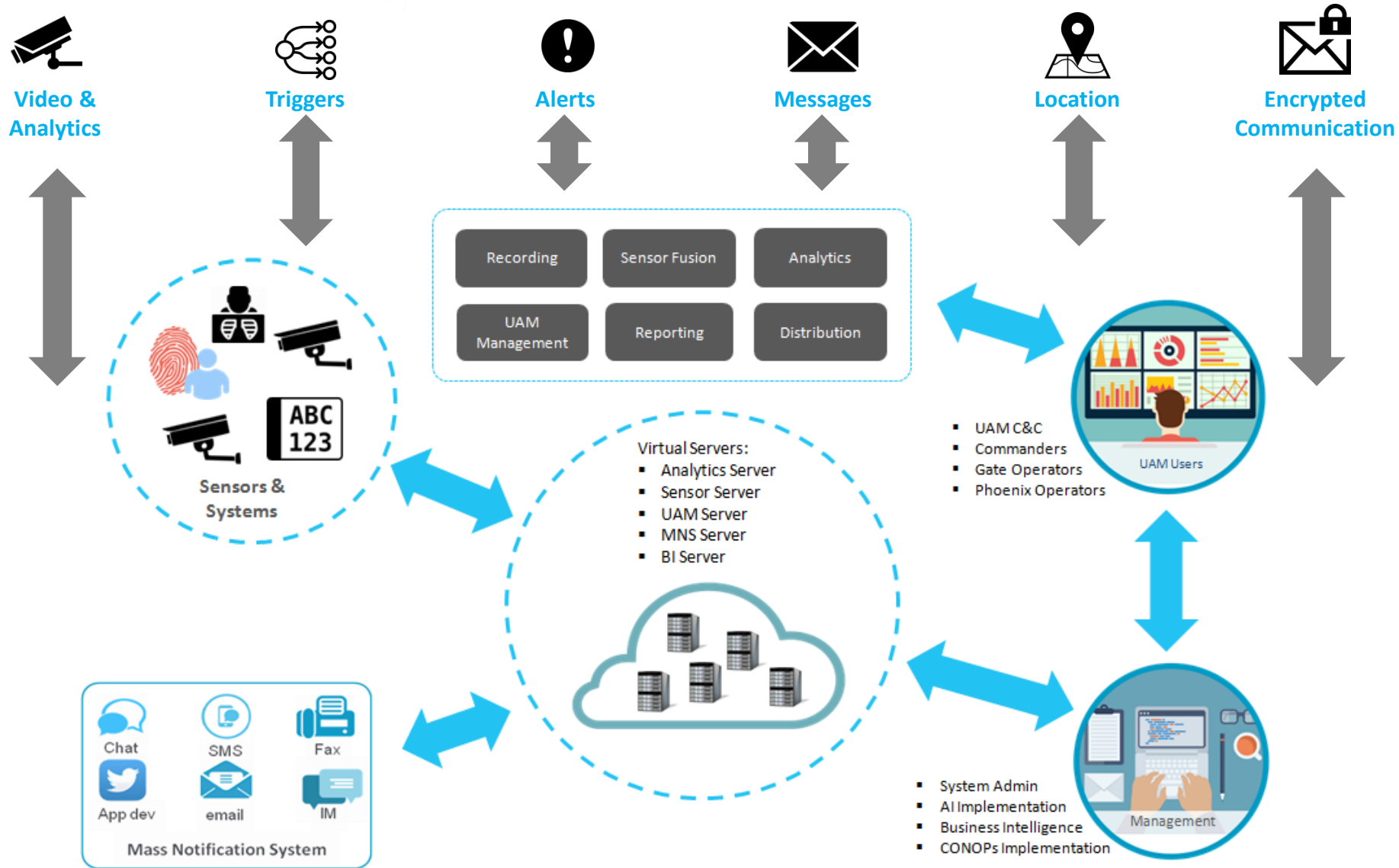
Unified Access Management (UAM)

CymbloT UAM Solution

CymbloT UAM Scenarios

Why CymbloT ?

Solution Architecture



System Entities

The UAM system creates entities, and assigns parameters to each entity.

Sensors configured into the solution identify the entities, and the CymbIoT BI engine integrates the data , creating relationships between the different entities.



- Name
- Role
- Height
- Eye Color
- Hair Color
- Etc.



- Color
- Year
- License Plate
- Registered Drivers
- Etc.



- Supplier
- Size
- Weight
- Cargo
- Registered Trucks
- Etc.

System Resources

The UAM system defines system resources (cameras, microphones, gates, GPS , users, workers, scanners, video analytics, data analytics , signs, work stations , ANPR, Custom layouts, etc.)

Resources are grouped, and each resource group is assigned to the roles and users which have permission to access the resources.

Resource permissions can be defined on the specific user level, and include read only/read-write/control/etc.

- **Location**
- **Gates**
- **Sensors**
- **Fences**
- **Etc.**



- **Location**
- **Analytics**
- **Permitted Users**
- **Etc.**



- **Location**
- **Connected Cameras**
- **Assigned Personnel**
- **Gate Type**
- **Working Hours**
- **Etc.**

Operational Configuration

The CymbIoT BI engine enables on-site implementation of scenarios which create relationships between resources as per the CONOPs for each gate and accessed entity or resource:



E.g. specific person can only enter the site at a specific time, in a specific car, through a specific gate, once identified by VCA.

Operational Configuration

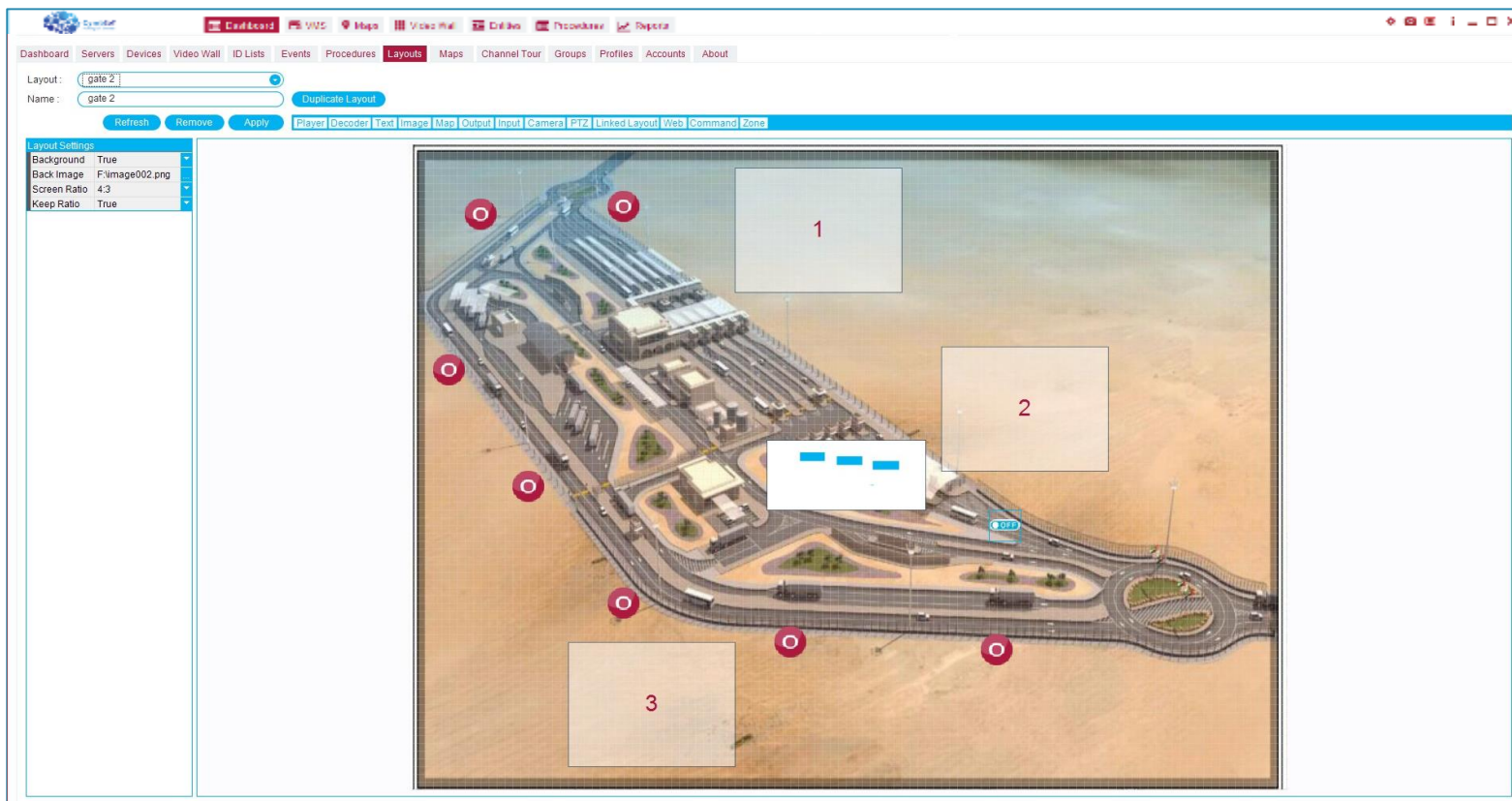
Onsite implementation of access scenarios combining endless number of triggers (scanners, analytics, 3rd party DB), biometric ID, LPR ID.

The screenshot displays the CymbioT operational configuration interface. The top navigation bar includes links for Dashboard, WMS, Maps, Video Wall, Devices, Procedures, and Reports. The left sidebar shows a 'Resources' tree with 'My System' and a list of channels including RTSP, Q6034-E, and various S1816e-A channels. The main dashboard area is divided into several sections:

- Event Log:** A table with columns 'Acknowledge', 'Time', 'Event Description', and 'Source'. It lists several events, including '99 ch2 VMD' and 'HTS valley, Entity 1'.
- Status Alerts:** A table with columns 'Status', 'Description', 'Created', 'Updated', and 'Priority'. It shows three 'Open' status alerts for 'Fire' events.
- Configuration Panel:** A section with a list of descriptions and options. The options include 'Watch live stream from map', 'Activate if needed', 'Alert if needed', and 'Notify business owner'.
- Video Wall:** A multi-view video feed showing various camera feeds, including a highway, a building interior, and a person's face.

User Customized UI

Customization module enables on-site adaptation of UI for all sensors, procedures, video, gate control into a single intuitive interface that supports PC/ Tablet management .



Real Time UI Response

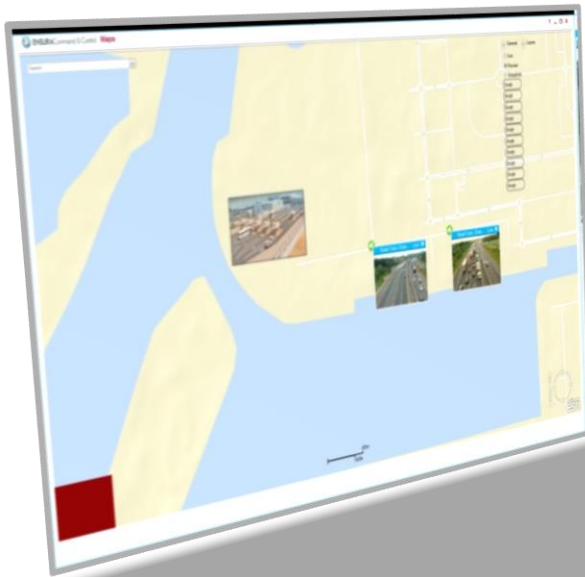
Flexible interface enables automated UI response to events.

The screenshot displays a CymbIoT dashboard interface. The main view is a 3D rendering of a road with a bus and a car. Three inset windows show different camera channels: 'Road Cam, Channel 2 (8.7%)', 'Road Cam, Channel 1 (8.7%)', and 'Road Cam, Channel 1 (8.7%)'. Each inset has a 'Live' button. On the left, a sidebar lists various resources like 'Sensors/CAD', 'Access Control', and 'Maps'. At the bottom, a table displays event data.

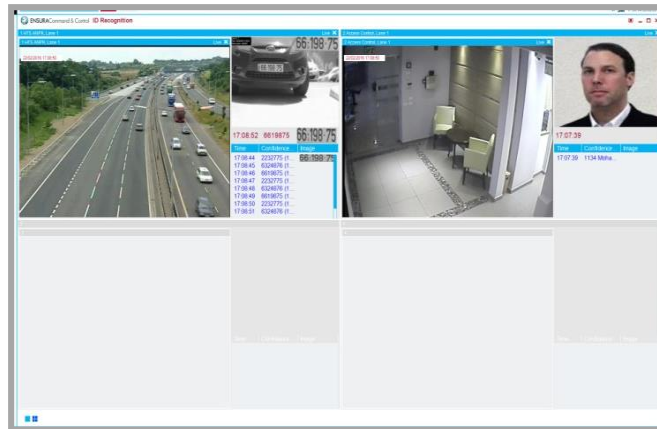
Source	Trigger	Time	ID Description
115, S1800-A, Channel 2	VCA Presence	2020/07/16 17:08:41	PT1800-A (1800)
115, S1800-A, Channel 2	VCA Presence	2020/07/16 17:08:41	PT1800-A (1800)
115, S1800-A, Channel 2	VCA Presence	2020/07/16 17:08:41	PT1800-A (1800)
115, S1800-A, Channel 2	VCA Presence	2020/07/16 17:08:41	PT1800-A (1800)
115, S1800-A, Channel 2	VCA Presence	2020/07/16 17:08:41	PT1800-A (1800)
115, S1800-A, Channel 2	VCA Presence	2020/07/16 17:08:41	PT1800-A (1800)

Operator Interface

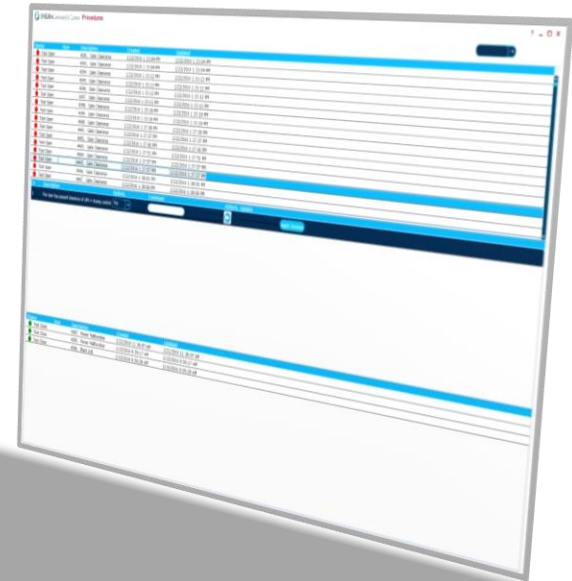
GIS & Mapping



Unified Access Management



Procedures Module



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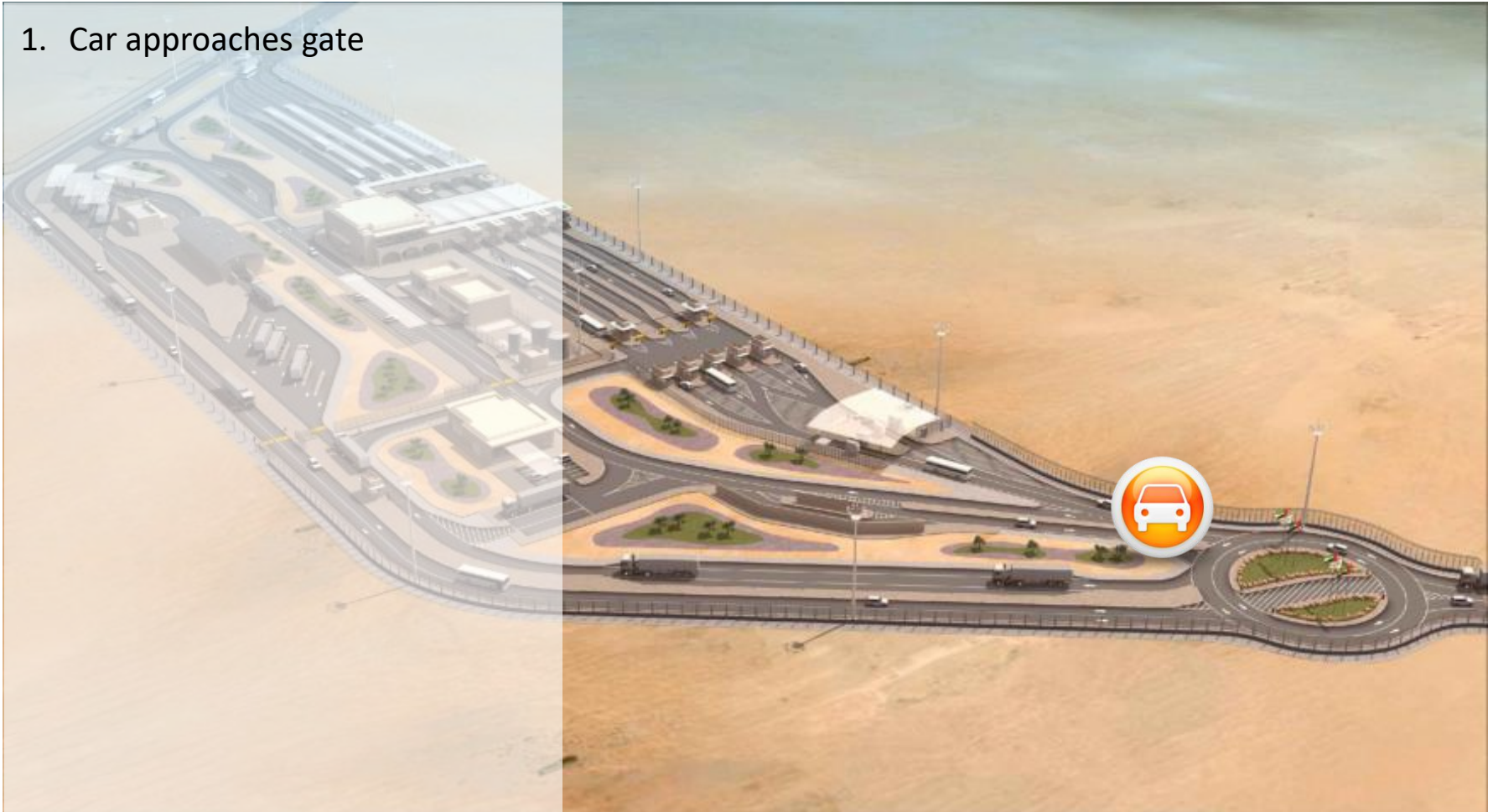
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Why CymbloT ?

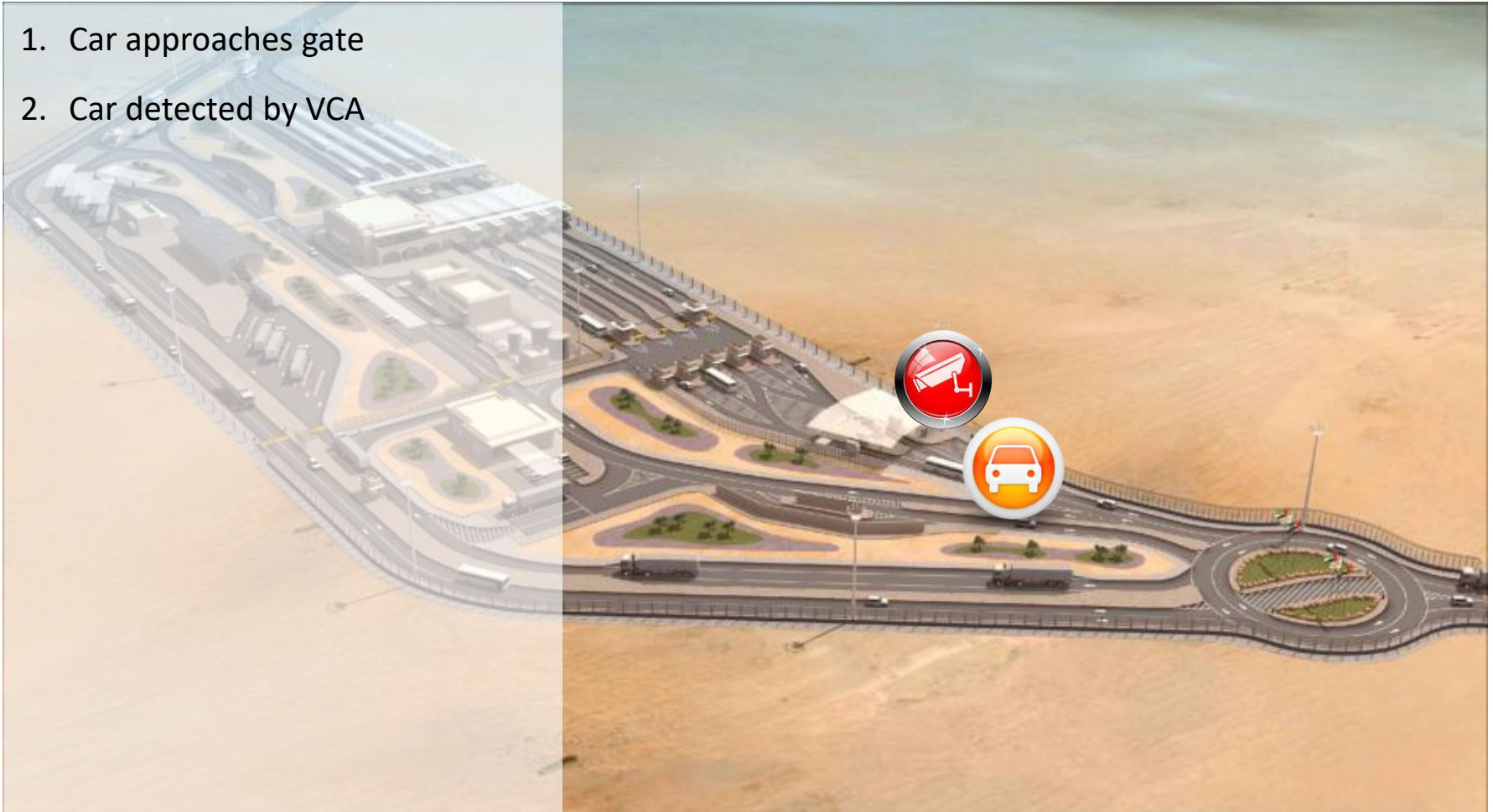
Operational Scenario

1. Car approaches gate



Operational Scenario

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2. Car detected by VCA



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3. VCA triggers LPR which checks plate against DB
4. Access Control is triggered



Operational Scenario

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5. BI verifies biometrics + ANPR + Time against authorisation DB



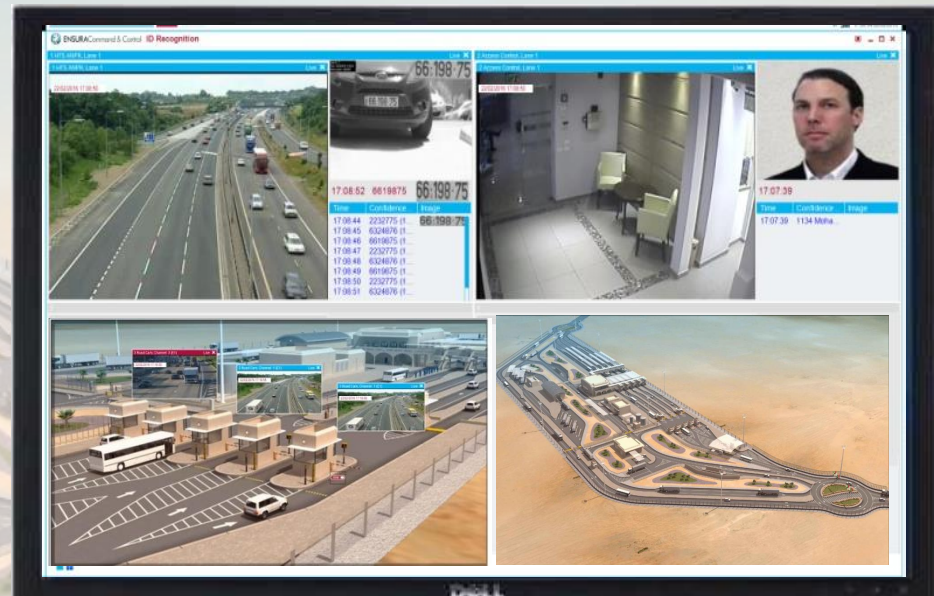
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8. Visitor receives text message with directions to parking



Operational Scenario

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6. Gate operator interface “pops up” with live feed
7. Site C&C informed via system
8. Visitor receives text message with directions to parking
9. Gate Opens



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Why CymbloT ?

► 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



CymbIoT
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