CymbIoT

Making IoT Smarter

Smart Mining Management
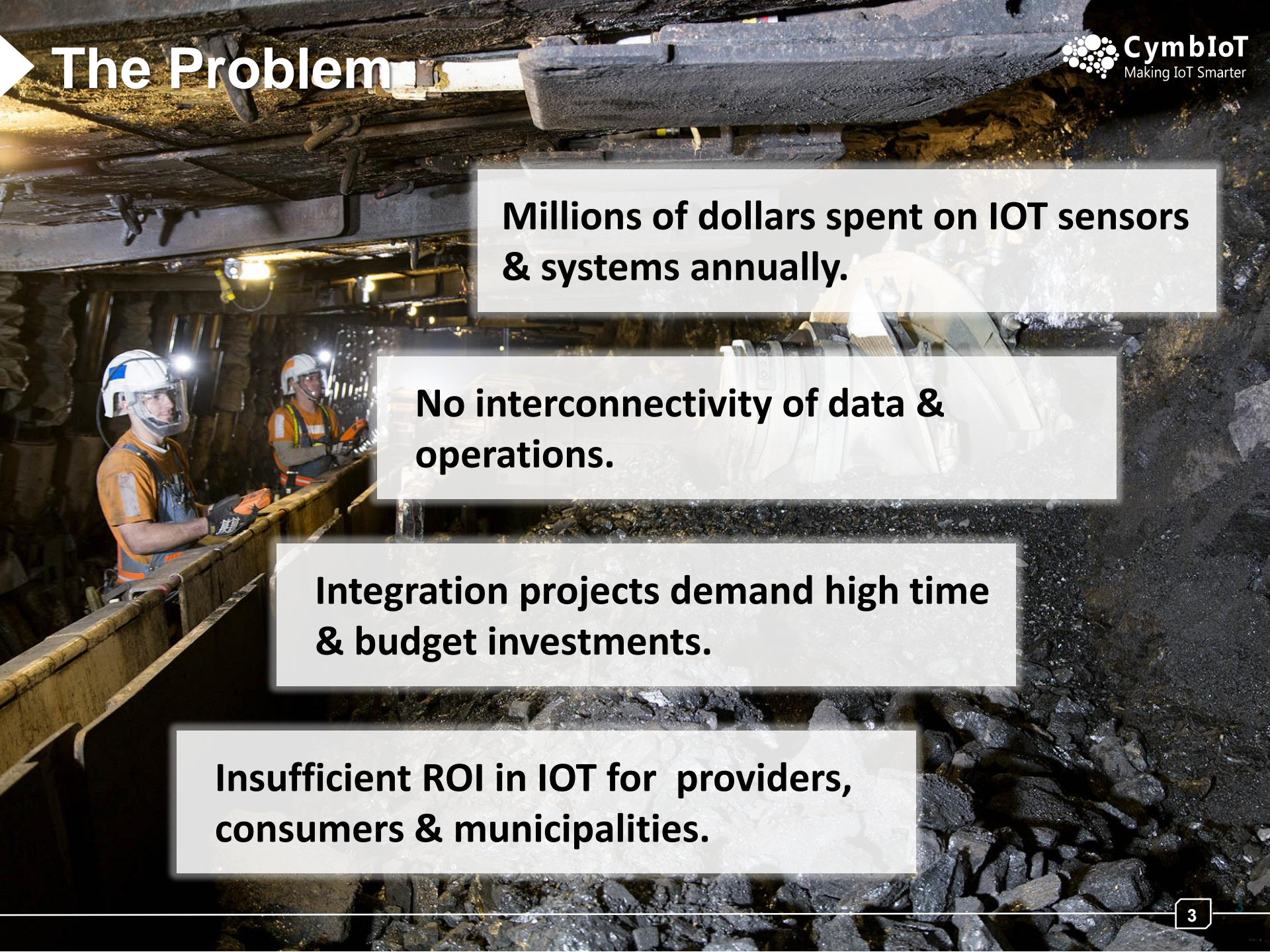
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The Problem

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 providers, consumers & municipalities.

The CymbIoT 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 CymbIoT 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**
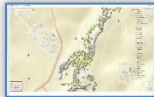- **Up to 14 days for deployment of new format**

Tested & Proven

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

CymbIoT C&C Core Features

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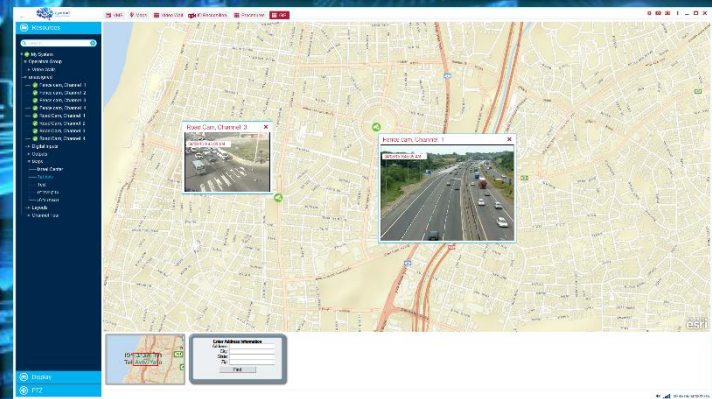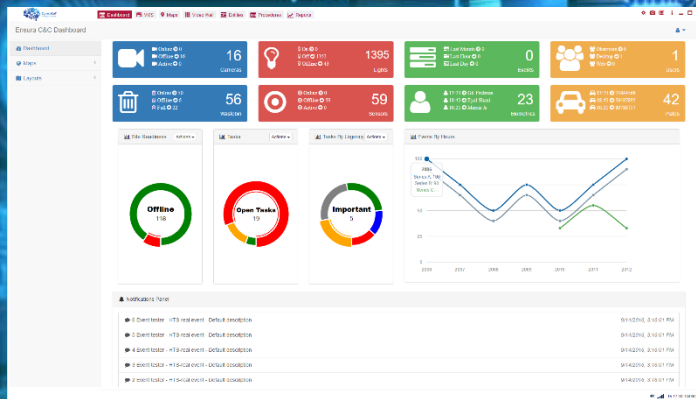Hybrid cloud and on premise deployments.
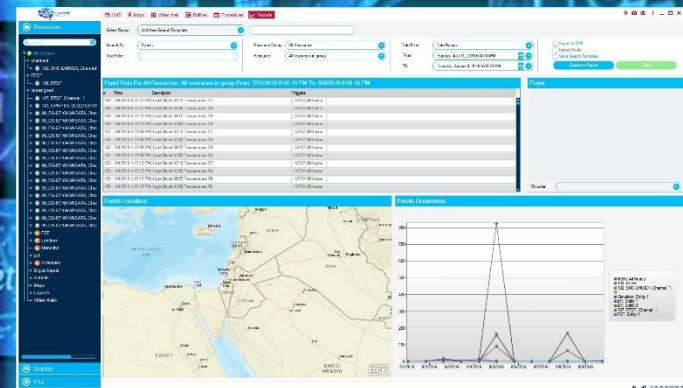
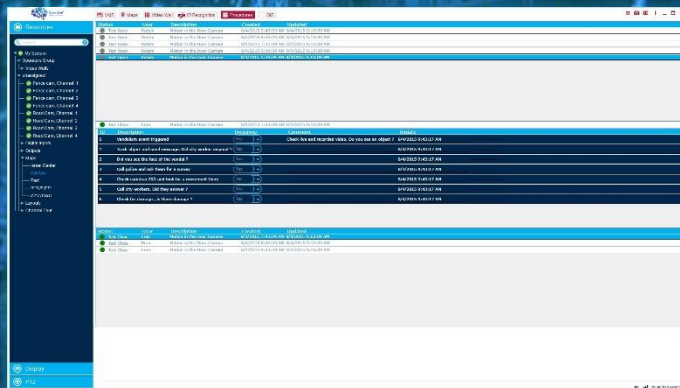## Agnostic
Integrate any 3rd party element.

Customization
On the fly UI design per need.

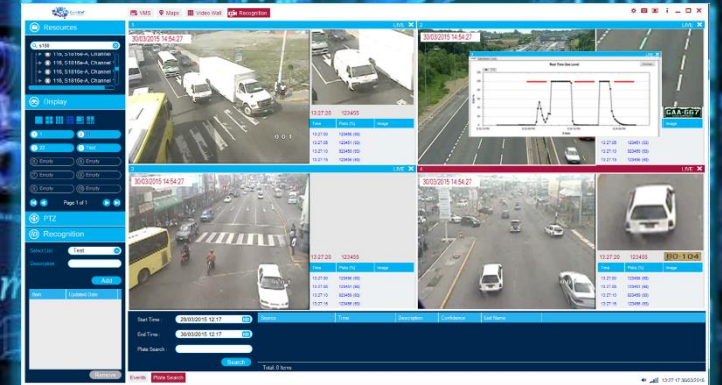**A Unified Interface for all Security & IoT Systems**

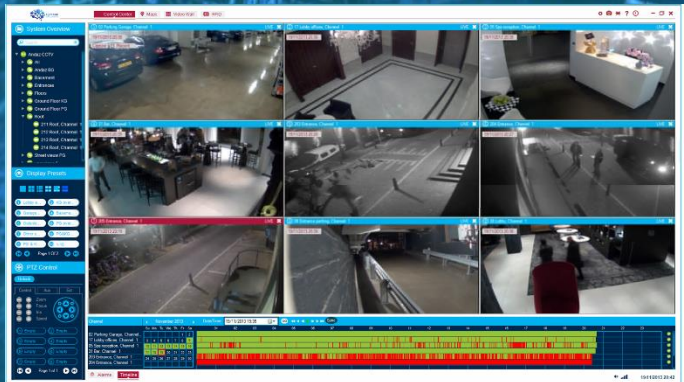**Reporting & Task Management Module for Cross-system Queries**

Cloud-based & Onsite Deployments

Support for Proprietary VMS & Internal Video Analytics
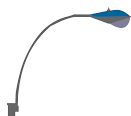
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Deployment Example

Surveillance Camera
With analytics for Face Recognition, Access Control, and more

Smart Resources
Turn lights, power. A/C etc. on or off based on presence, schedule, etc.

Access Control
Control access to sensitive & dangerous locations by permissions & roles

Structural Stability Sensor
Monitors stability of structures & pipes and alerts for weaknesses.

Air Quality Sensors
Detect minute amounts of dangerous and/or flammable gasses.

Fire/Smoke Sensors & Countermeasures
Detect smoke & fires as they ignite and apply countermeasures.

Fusion with CymbIoT

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

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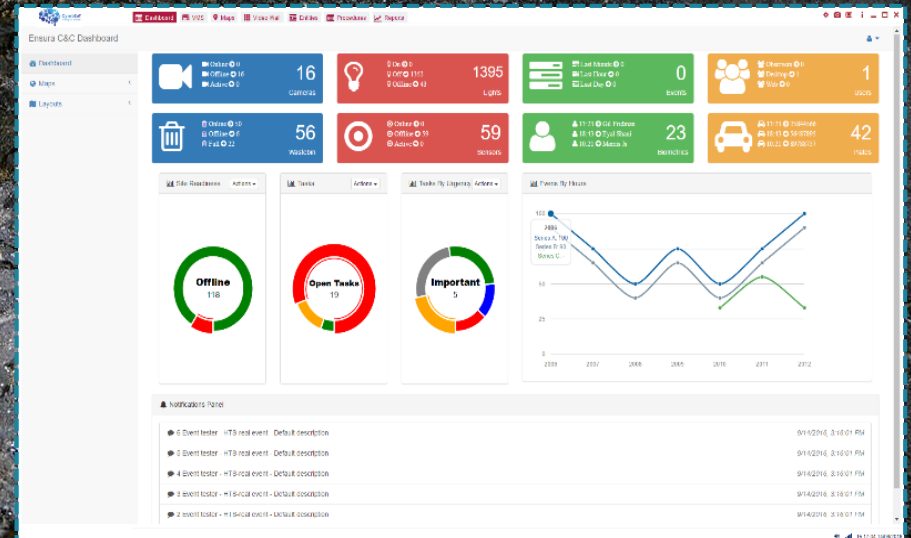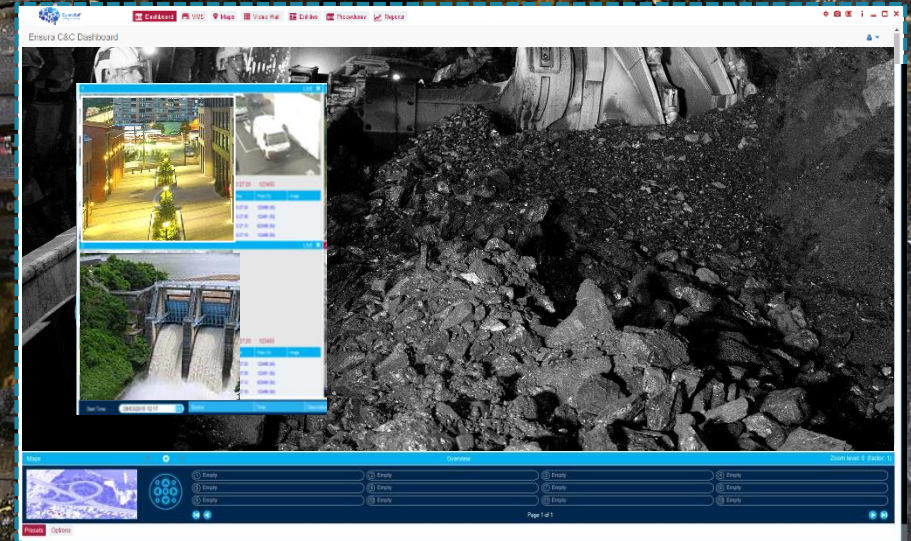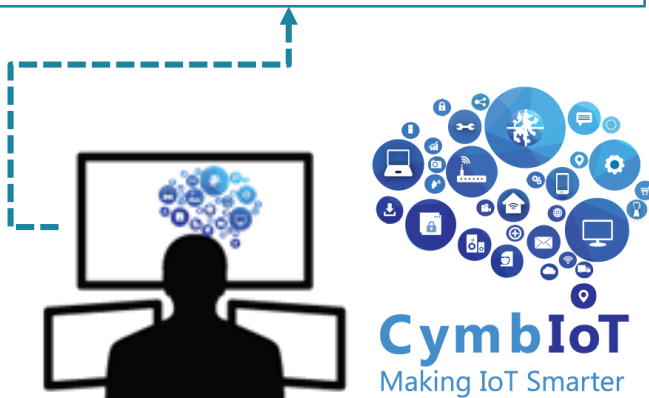
About CymbIoT

CymbIoT for Smart Mining

Operational Scenario

Why CymbIoT?

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Operational Scenario

1. Air quality sensors identify minute amounts of methane.

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2. All data from air quality sensors is analyzed by CymbIoT to identify location & dispersal of methane .

Operational Scenario

1. Air quality sensors identify minute amounts of methane.

2. All data from air quality sensors is analyzed to identify location & reach of methane.

3. CymbIoT implements automatic HAZMAT procedures:

   i.   Employees are alerted.

   ii. Reactive illumination is turned off in all relevant locations.

   iii. Evacuation of relevant areas is prompted.

   iv. Access doors to contaminated locations are locked once sensors identify no employees are present.

   v.   Countermeasures are applied in contaminated location

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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...

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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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