CymbIoT
Making IoT Smarter

Smart Water Management

About CymbIoT

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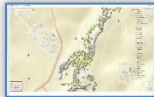- **Up to 14 days for deployment of new format**

Tested & Proven

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

CymbIoT C&C Core Features

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

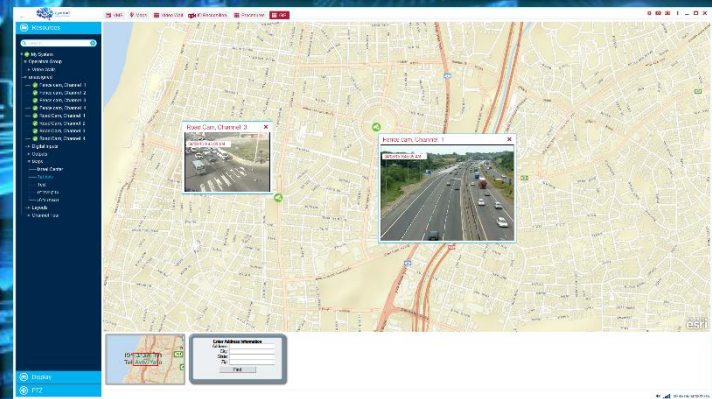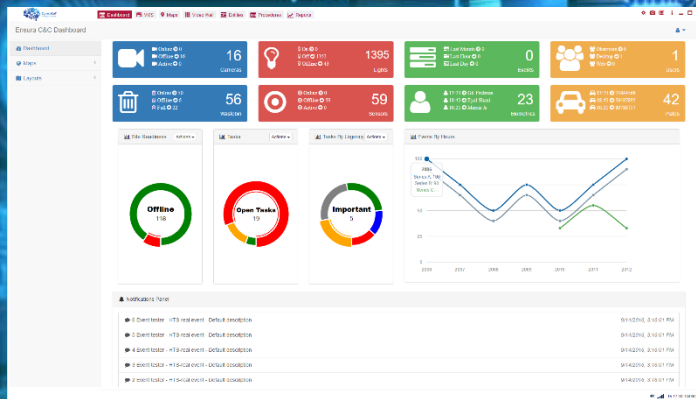Hybrid cloud and on premise deployments.

Agnostic

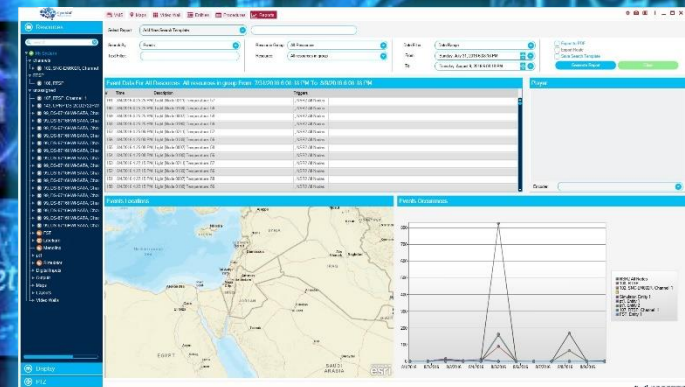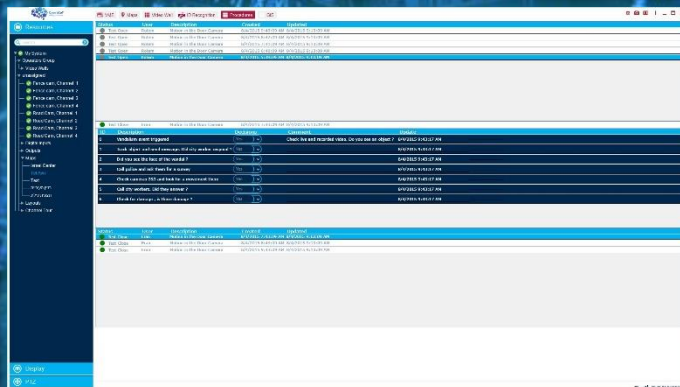Integrate any 3rd party element.

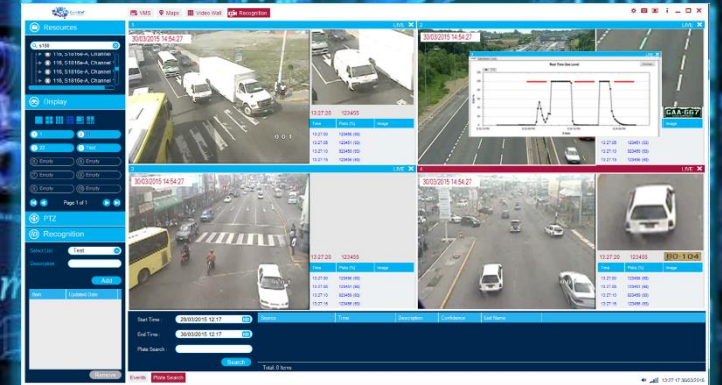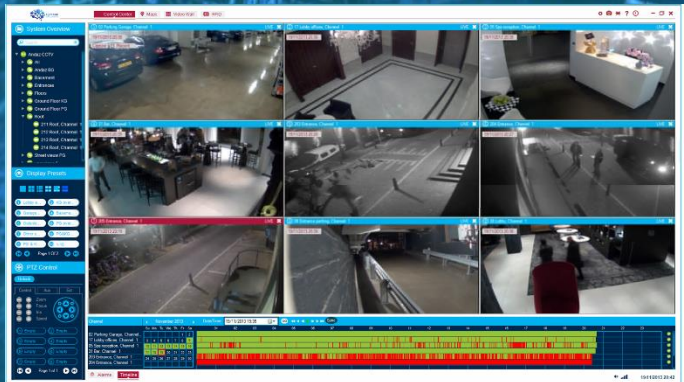## Customization

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
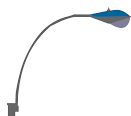
![CymbIoT — Making IoT Smarter]

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.

Water Quality Sensor
Identifies & alerts for pollutants, abnormal salinity or alkaline levels etc.

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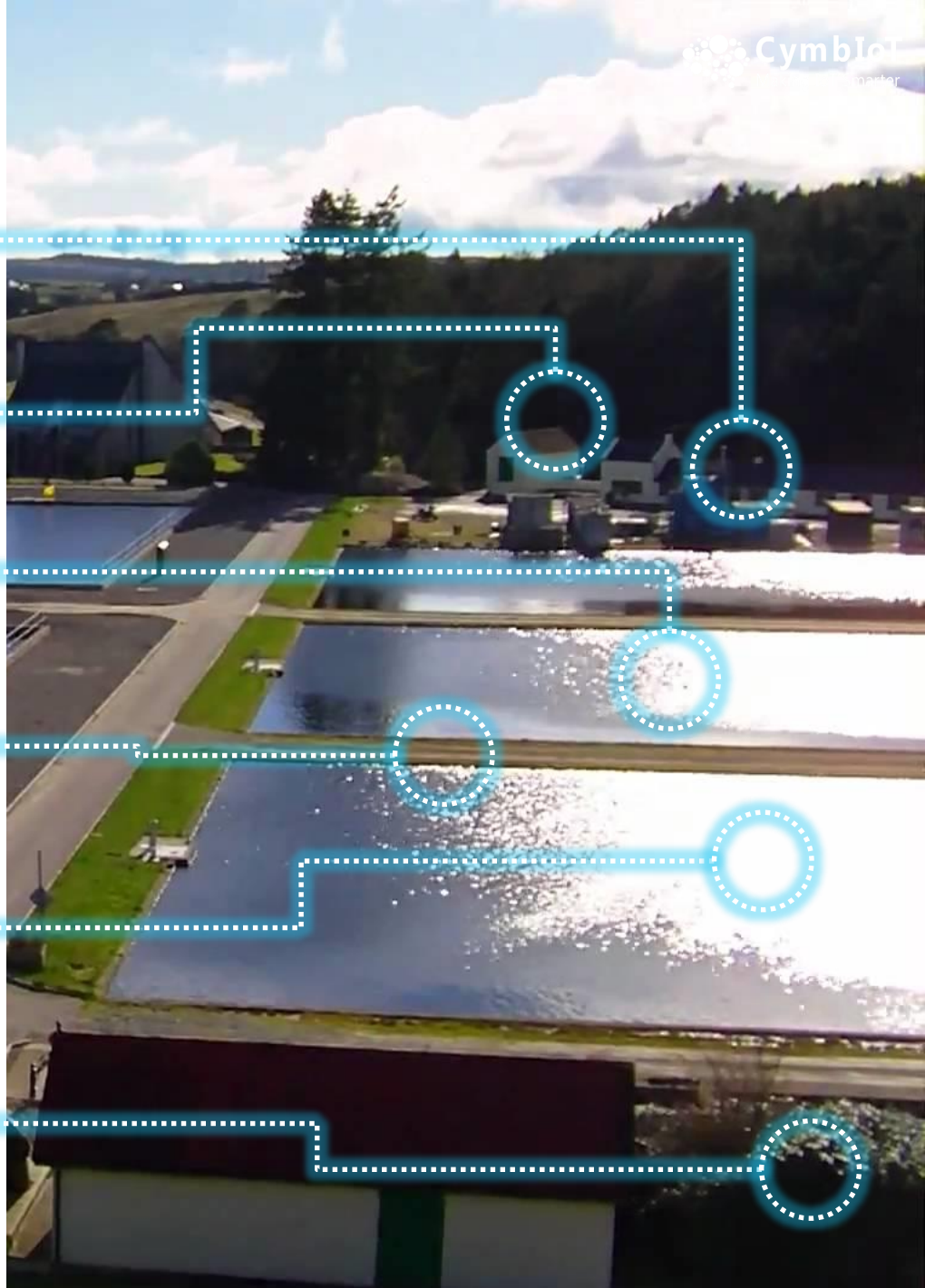Monitors stability of structures & pipes and alerts for weaknesses.

Water Flow Sensor
Records & track water flow speed & volume, alerts for abnormalities.

Soil Quality Sensor
Identifies abnormal saline/alkaline content, pollution, etc.

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Deployment Example

Smart Water Meters
Smart measurement of consumption, analytics, mobile app access etc.

Automatic Switches
Enable shutting down specific pipes in response to alerts.

Water Quality Sensors
Identifies & alerts for pollutants, abnormal salinity or alkaline levels etc.

Structural Integrity
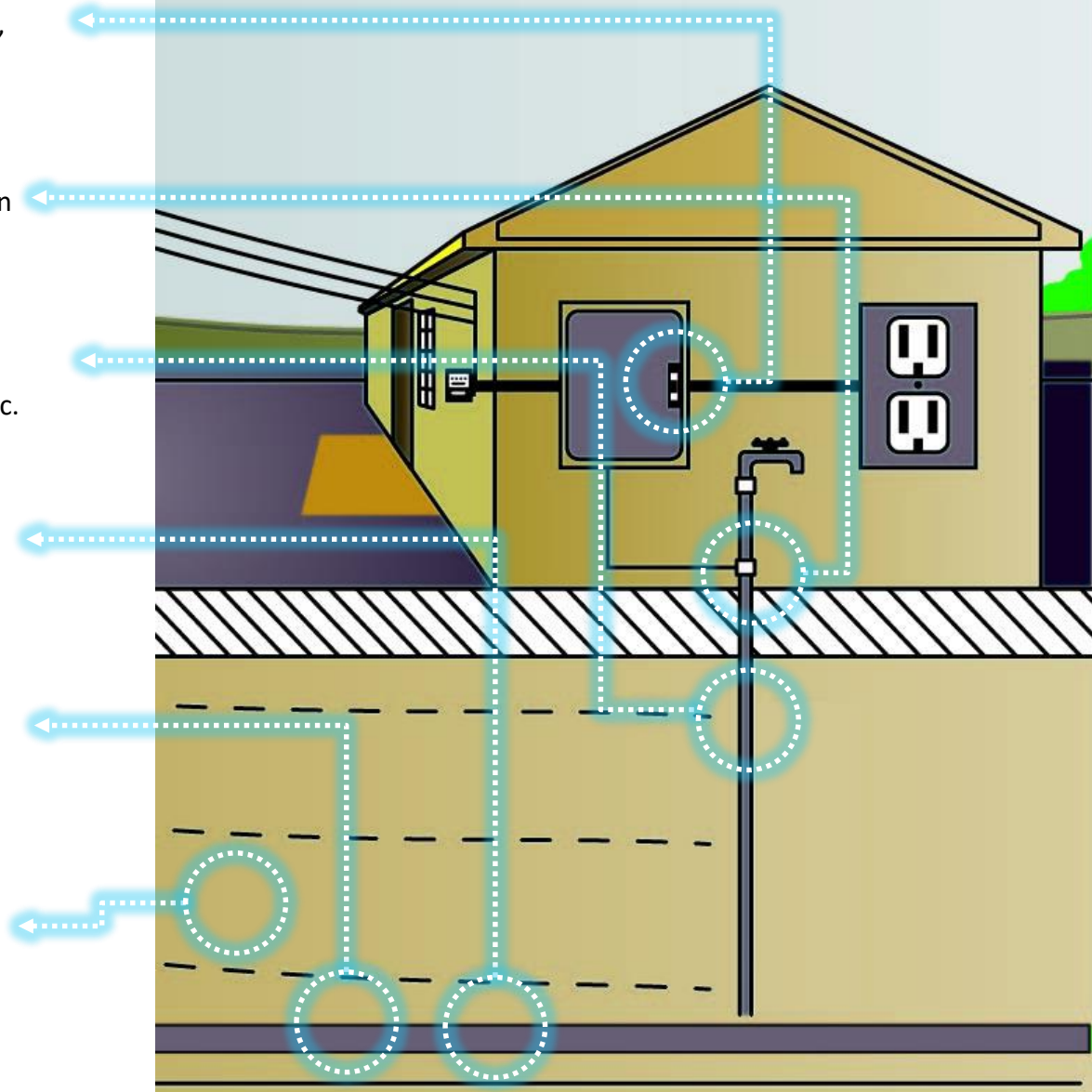Identifies weaknesses in pipes and alerts for cracks, weaknesses, etc.

Water Flow Sensor
Records & track water flow speed & volume, alerts for abnormalities.
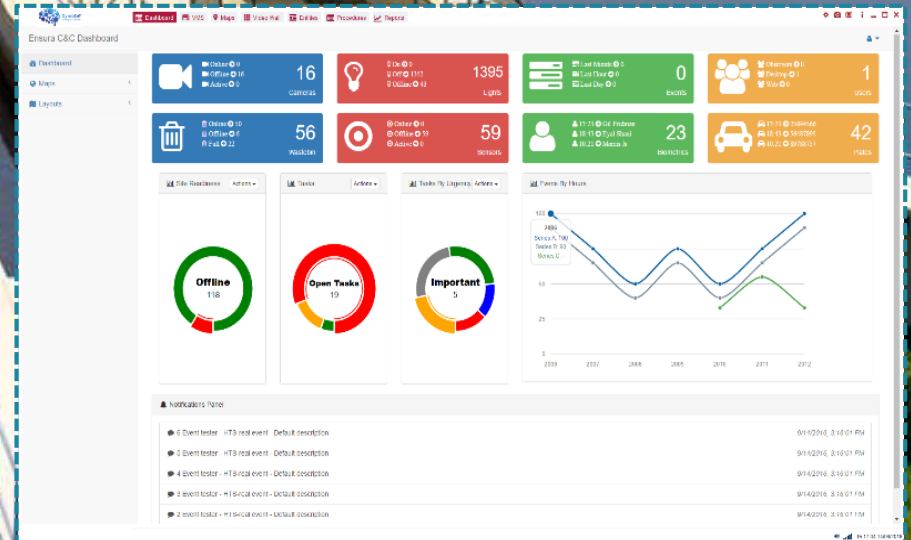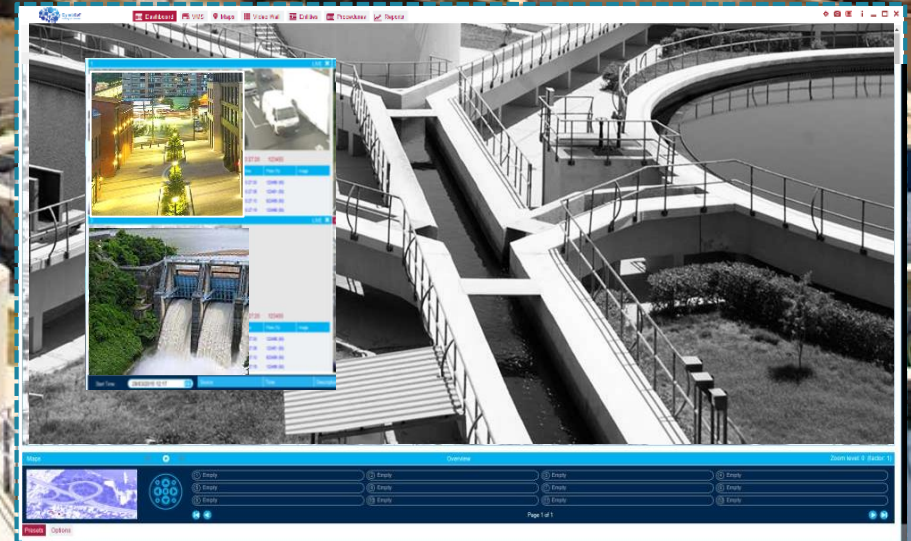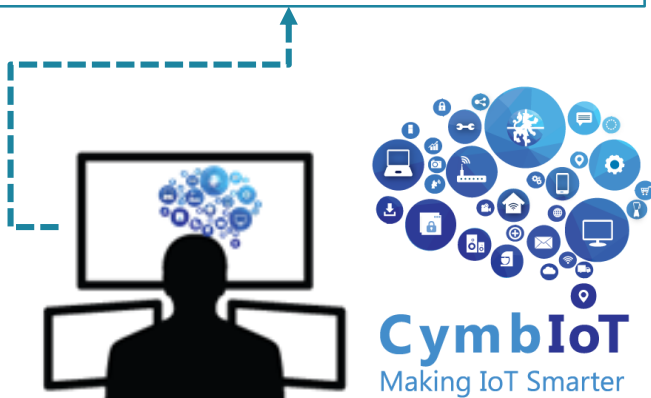
Soil Quality Sensor
Identifies abnormal saline/alkaline content, pollution, etc.

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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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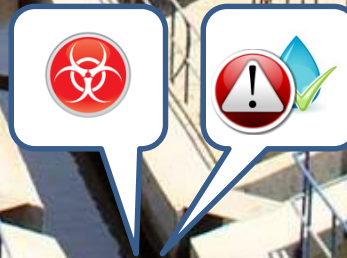# Processing Plant Operational Scenario

1. Pollutant enters water.
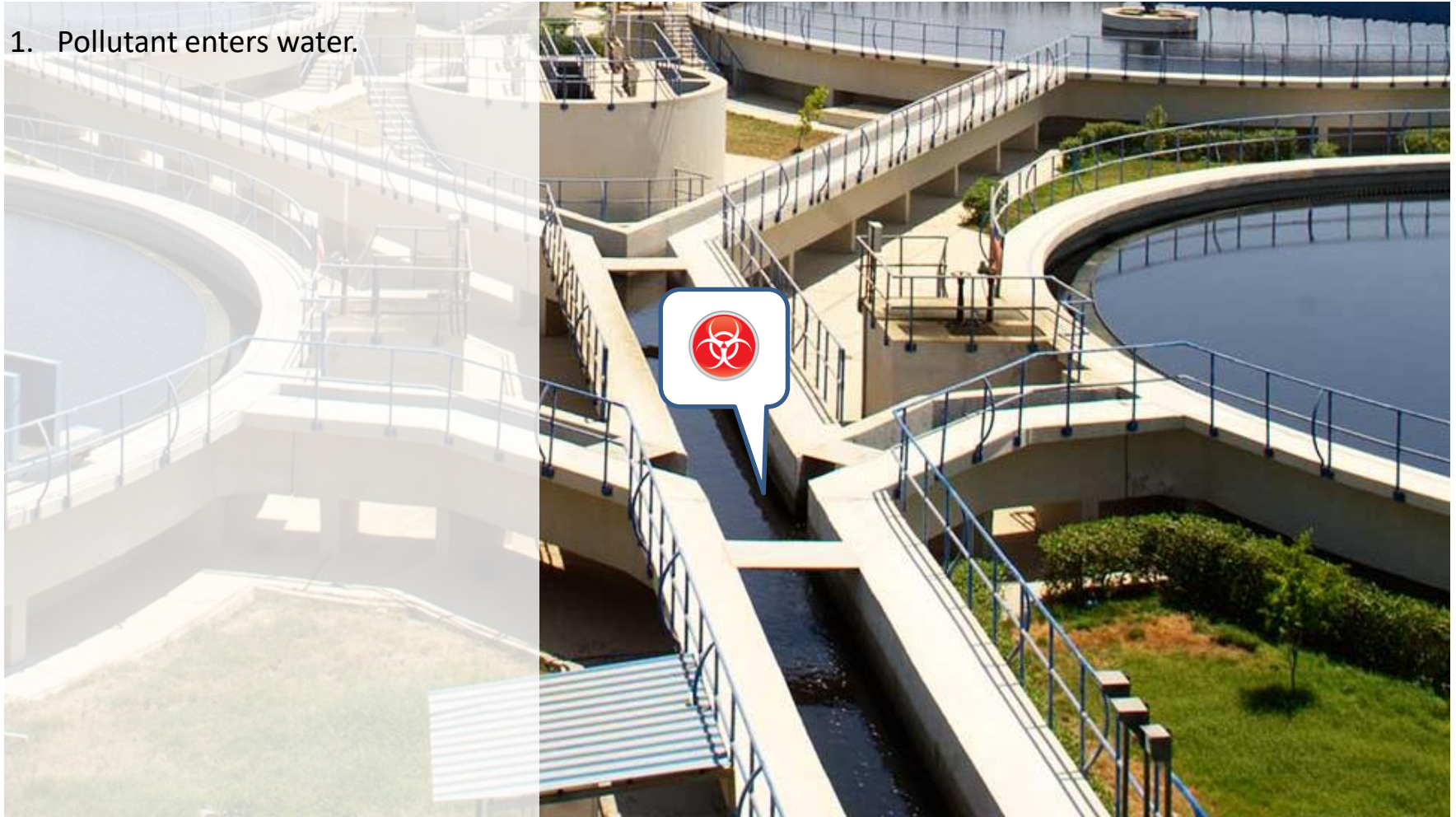
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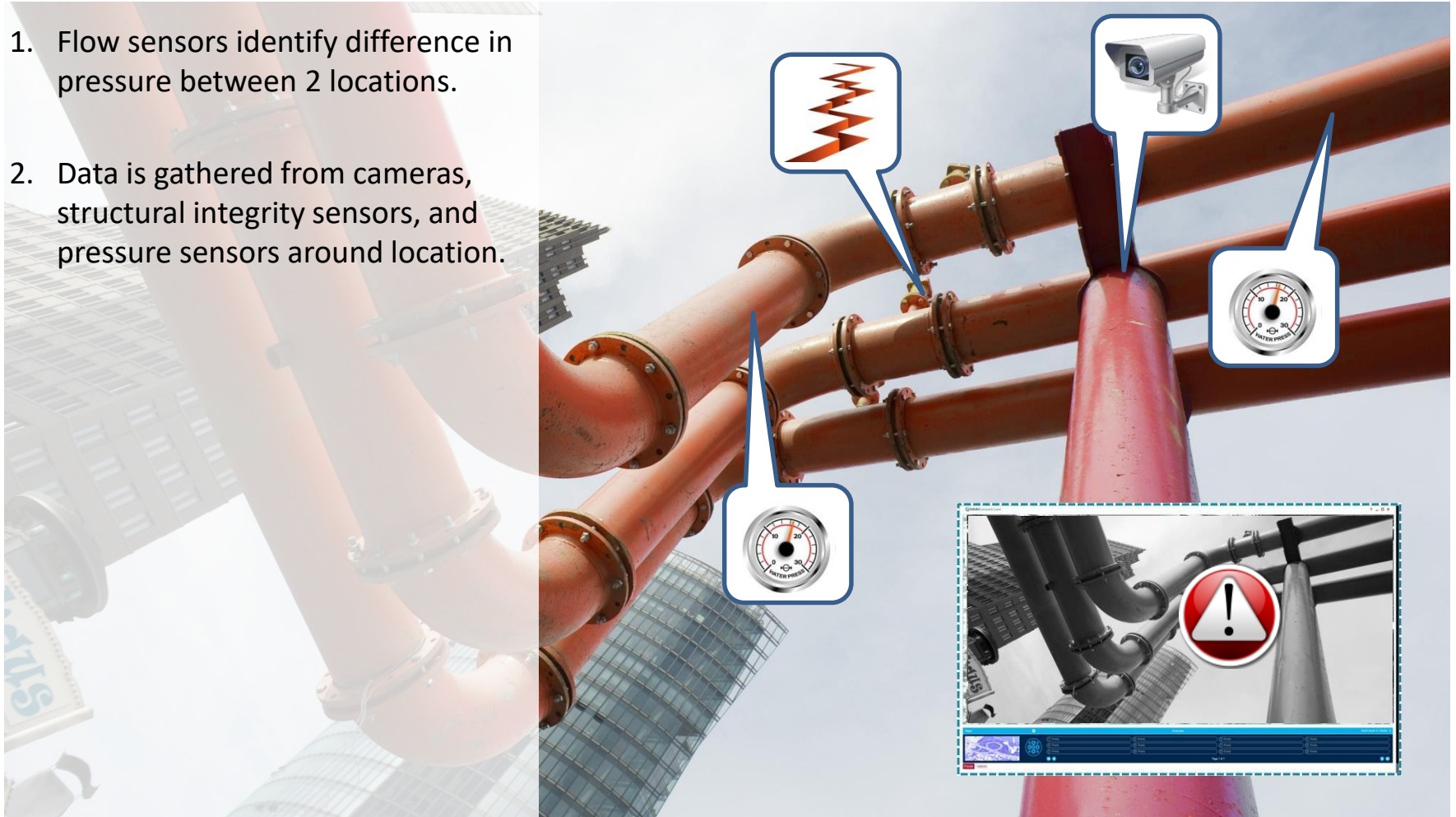6. Alert is sent out to authorities and/or consumers who may be affected by pollutant.
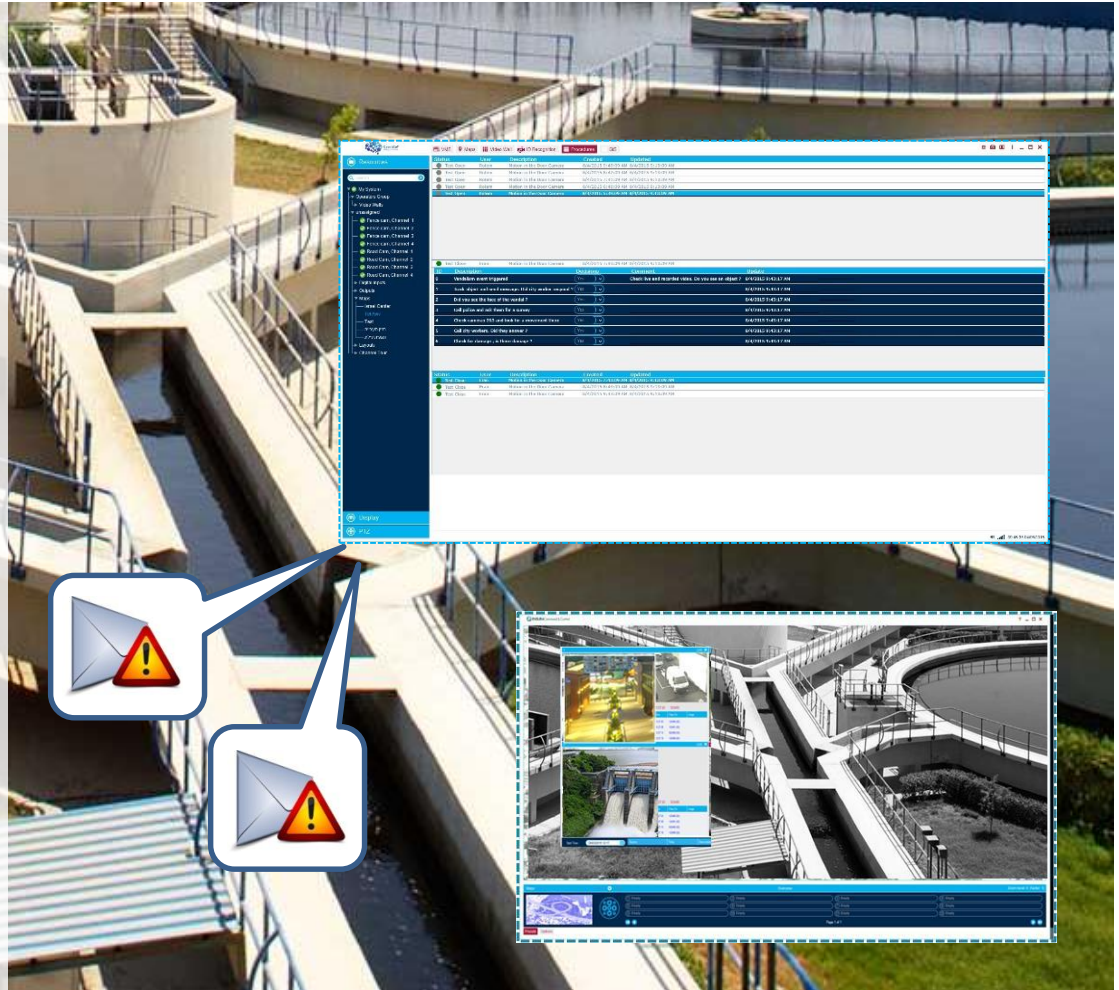
Urban Water Supply Operational Scenario

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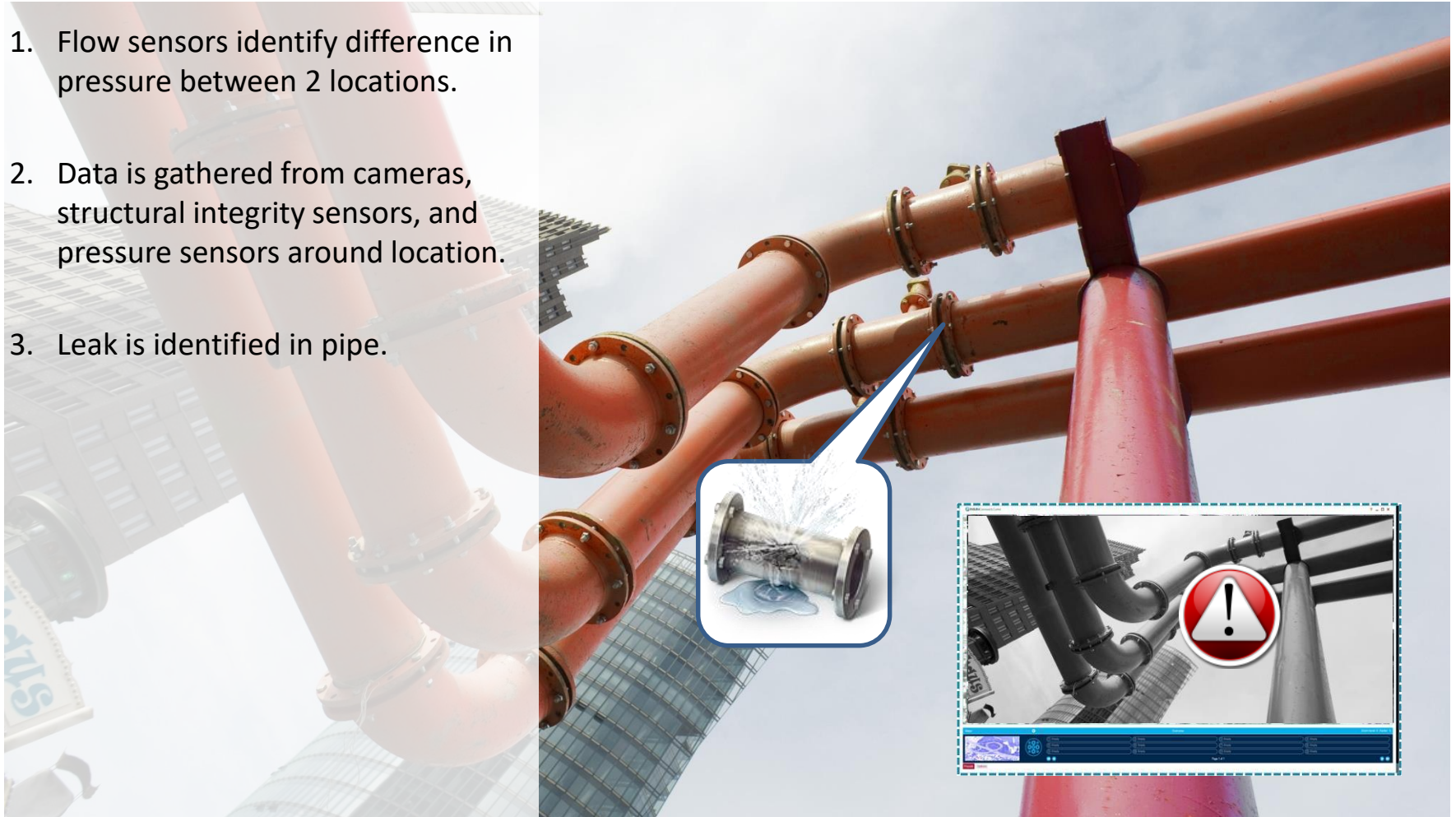
3. Leak is identified in pipe.

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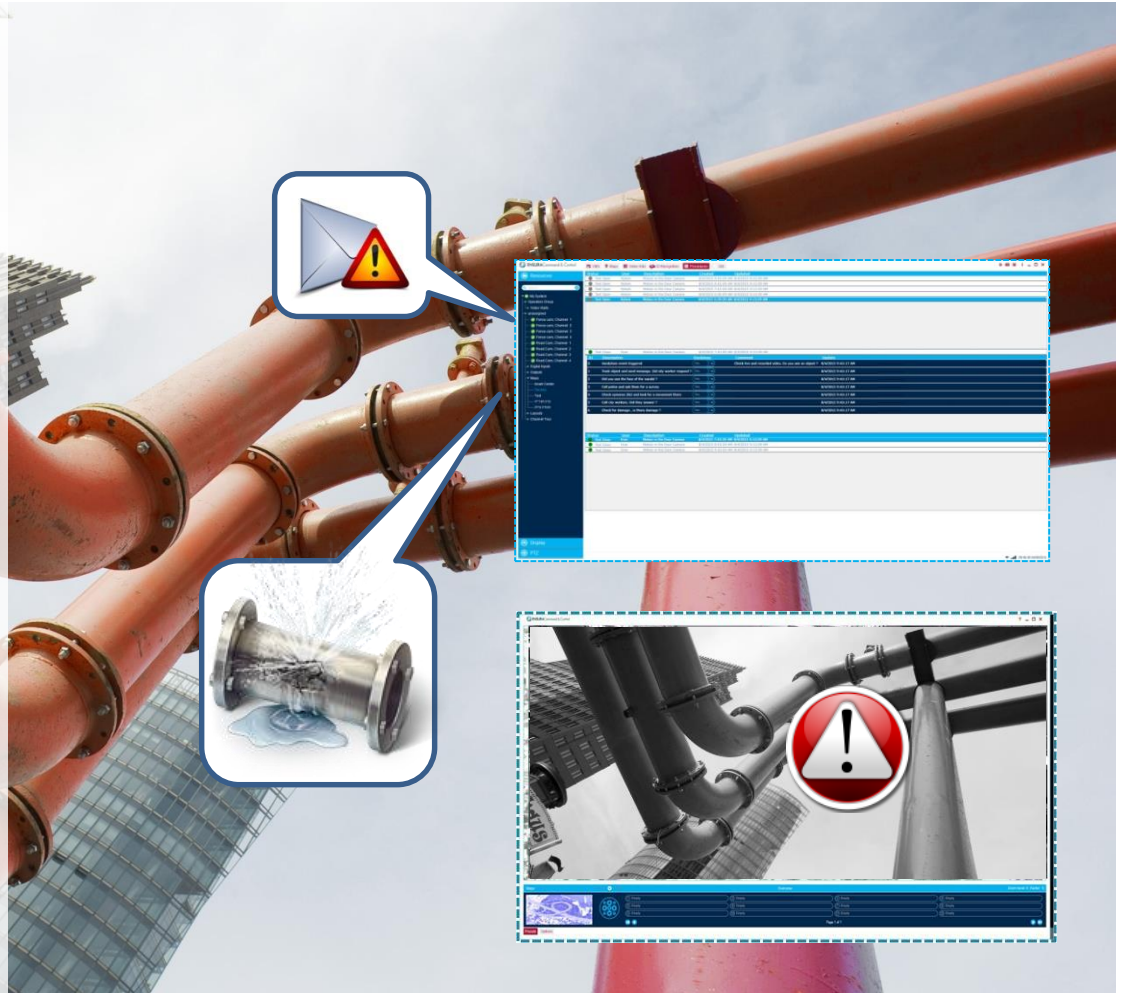3. Leak is identified in pipe.

4. Operators are alerted.

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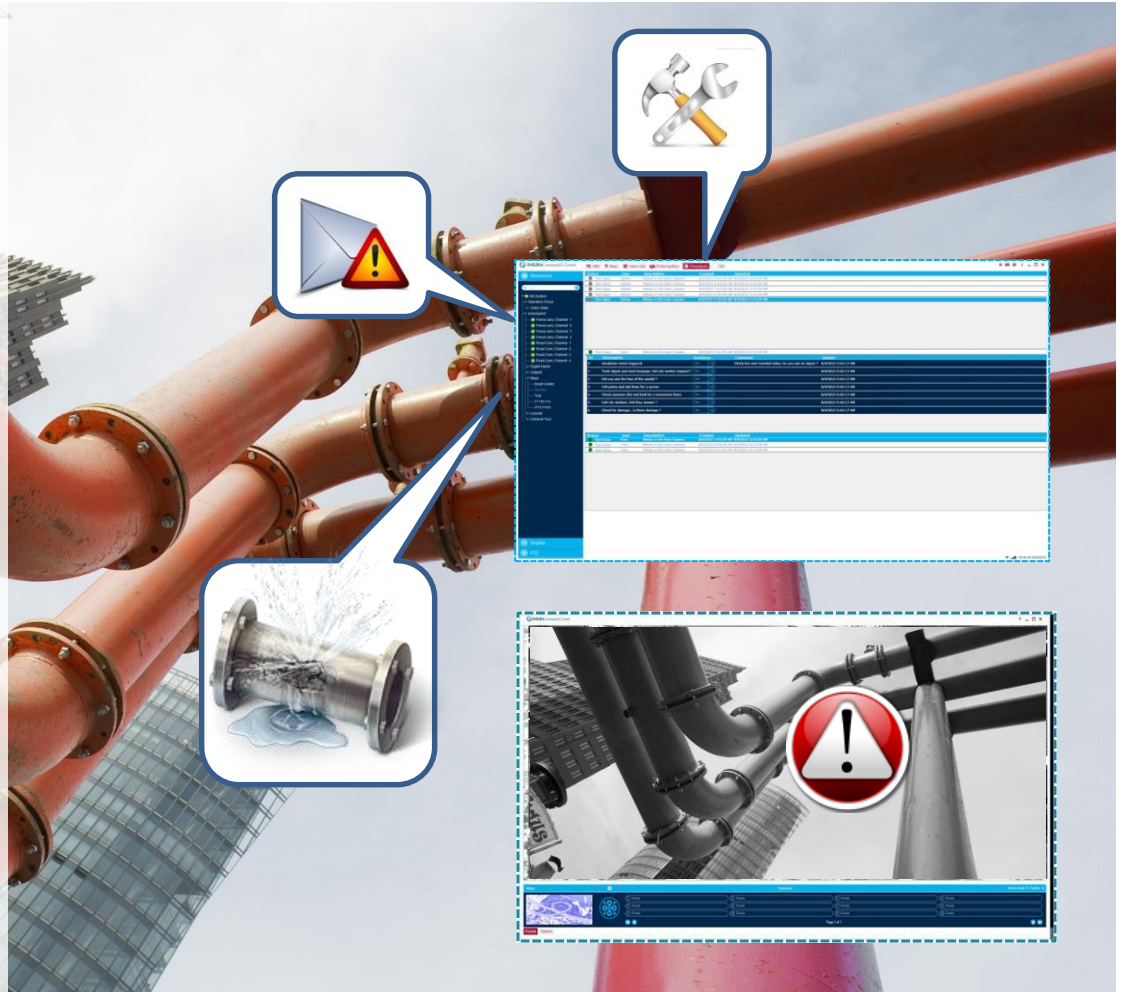
5. Repair crew is called in.

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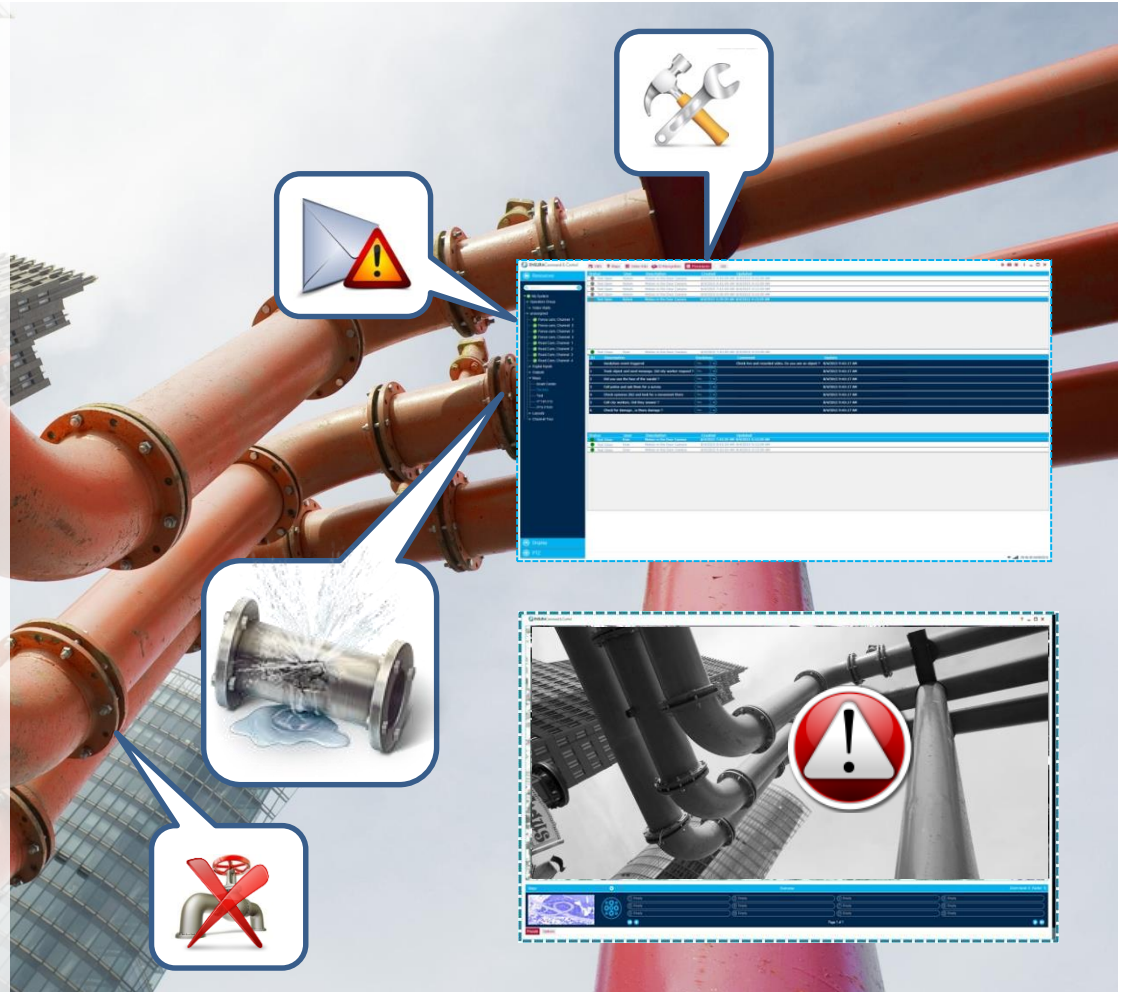6. Leaking pipe is automatically switched off.

Urban Water Supply Operational Scenario

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4. Operators are alerted.

5. Repair crew is called in.

6. Leaking pipe is automatically switched off.

7. Flow is rerouted to maintain water supply to residents.
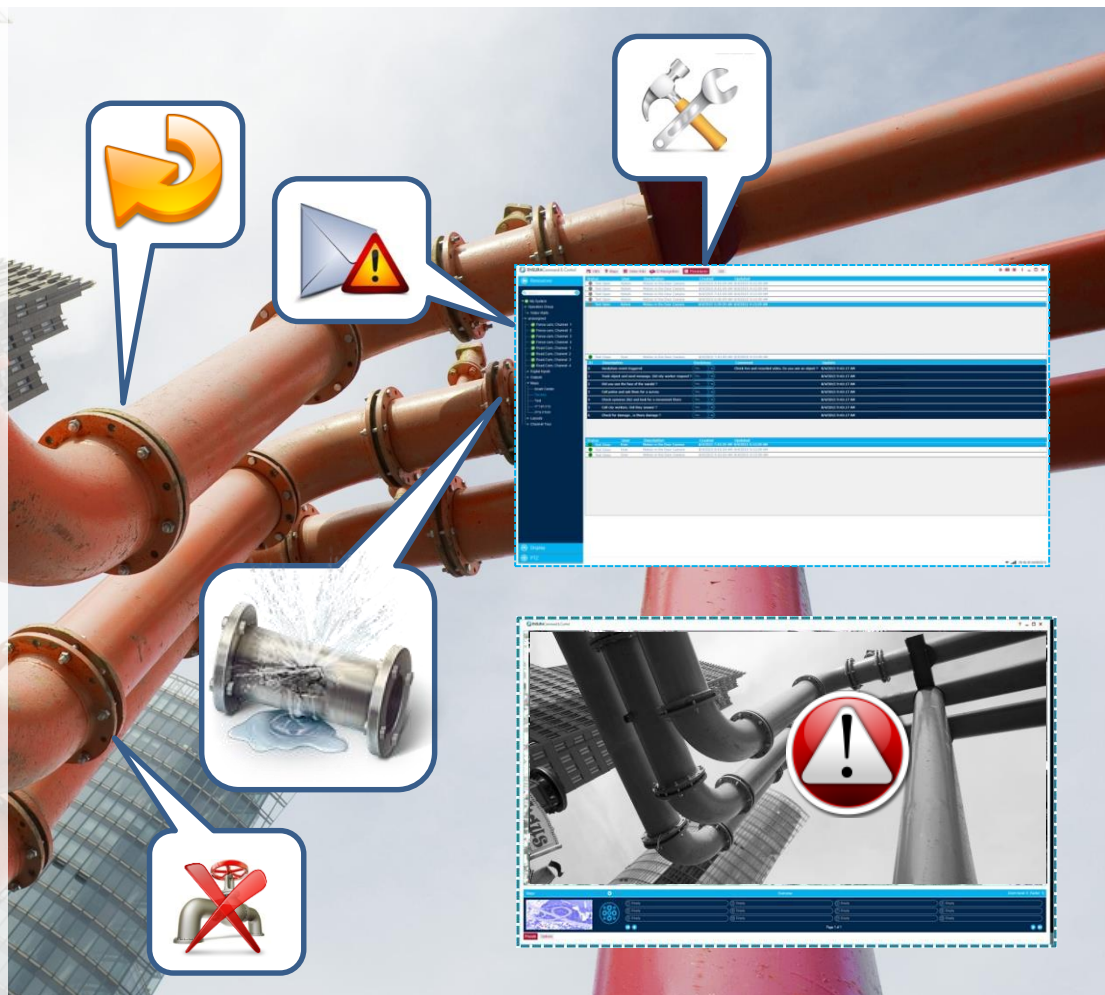
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Why Choose CymbIoT C&C?

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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