

*No time to lose...*

Protect your assets and achieve an immediate ROI with  **Icon Signals**



# ICON Signals



- **ICON monitors events and alerts designated people or groups when something happens.**
  - ▶ Signals developed by ICON Voice Networks
  - ▶ Event sources include intrusion, weather events, fire alarm, environmental sensors, security sensors, telephone systems and third party devices.
  - ▶ Notification destinations include email, SMS, automated voice calls and Rainbow - Alcatel-Lucent Enterprise's collaboration service.
- The three main components of Signals are Triggers, Events and Notifications.



# ICON Signals Value Proposition

Protect your assets and achieve an immediate ROI.

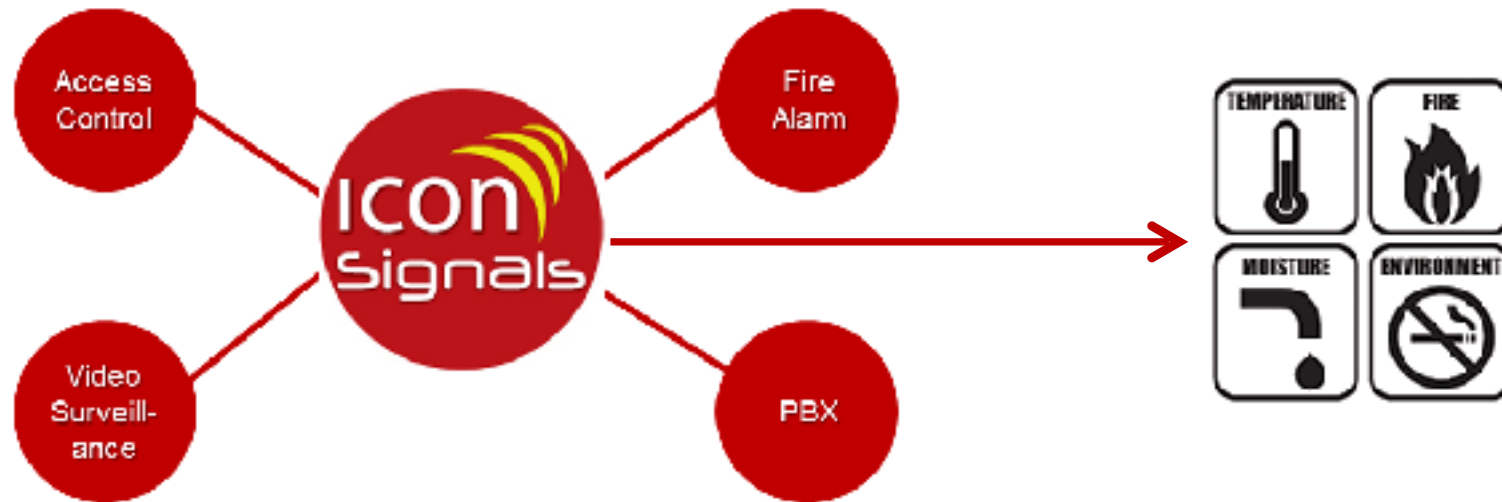
- ICON Signals will **unify all of these systems** into one platform that,
  - ▶ Monitors for triggering events.
  - ▶ Provides **immediate local alerting** to endpoints inclusive of mobile phones, text messages, audible alerts and more.



# ICON Signals Value Proposition

Achieve a higher ROI by adding environmental sensors to this platform,

- Detect changes in temperature, humidity and water intrusion **before significant loss occurs.**
  - ▶ How much does an outage cost when the AC goes out in the server room?
  - ▶ How much for that spoiled food when the freezer in the cafeteria goes out over the weekend?
  - ▶ How much water can your facility hold if a pipe bursts?



# 24/7 Advanced Monitoring and Notification Platform



- Monitor for changes
  - ▶ Smoke, fire, motion, temperature, moisture...
  - ▶ Entry points for breaches
  - ▶ PBX events for 911, panic button
  - ▶ Live news feeds for weather alerts
- Notification when something changes
  - ▶ SMS, email, voice call alerts
  - ▶ Alert first responders
  - ▶ Broadcast announcements to initiate lockdowns, building evacuations, weather alerts
  - ▶ Work with 3<sup>rd</sup> party systems to lock doors, access video feeds, display maps and more
  - ▶ Send alerts through ALE Rainbow





## ICON Signals Platform Overview

# Platform Overview - Design

- Operates as a Cloud or Customer Premises Application
- Platform
  - ▶ Designed and developed on a **flexible, robust, reliable, proven, core platform** developed by ICON over many years, **Enterprise Services**.
  - ▶ The core platform originally developed to provide outside real time control of PBX systems by third party applications.
    - Used to proxy data to other systems and applications in real time.
    - Perfectly suited to Alert Reporting.
  - ▶ Open interface / integrates with **maximum flexibility** to devices and **other platforms**.
  - ▶ Integrates to communications systems through CSTA or proprietary event streams.
- Focused on enterprise, industrial and **non life safety** business applications.
  - Largest applications and sale opportunities.
  - ▶ Scalable and cost effective from **very small** to **very large applications**.

# Platform Overview

- **Three main components to Signals architecture:**
  - ▶ **Triggers** - The monitored devices and systems that initiate alerts.
  - ▶ **Events** - The trigger events to which Signals responds.
  - ▶ **Notifications** - The alerts that Signals sends based on the event.

# Signals converts Trigger events into Notifications

## Triggers

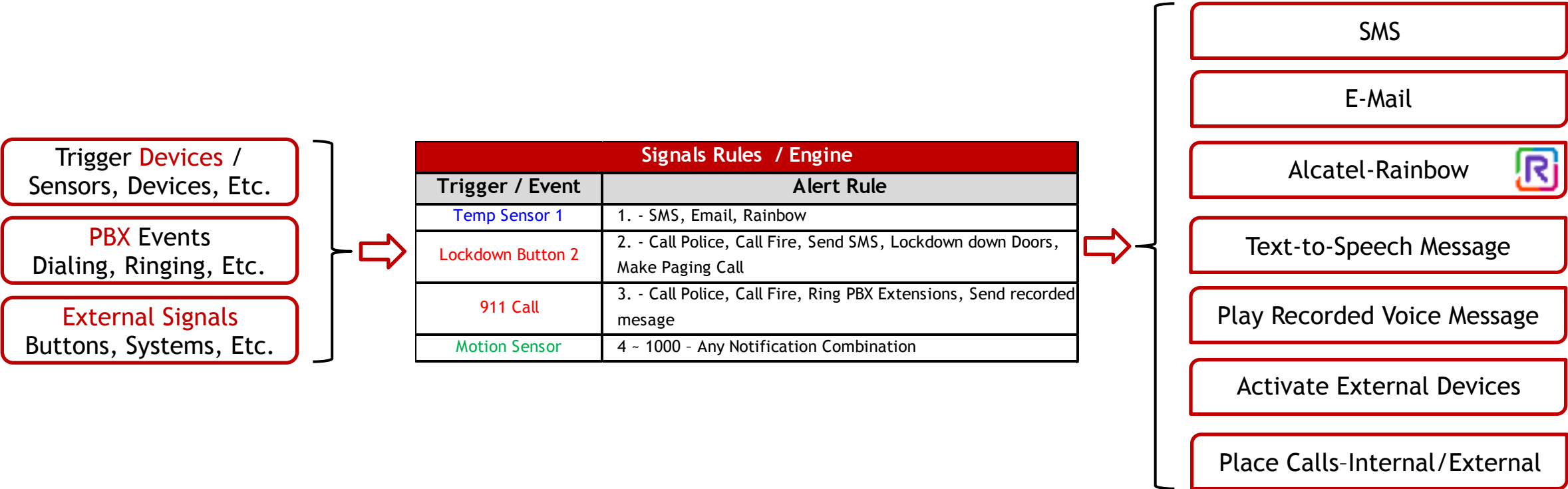
Triggering devices send event messages to Signals

## Events

Signals executes rules based on event messages

## Notifications

Signals notifies people, devices or platforms of an event



# Triggers

- Large variety of Alert Triggers supported
- Scalable
- Wireless and Wired triggers
  - ▶ Panic buttons
  - ▶ Motion detection from IP camera
  - ▶ Environmental sensors
- Rainbow
  - ▶ Initiate a Signals alert using Rainbow
- Monitored PBX
  - ▶ Alcatel-Lucent OXO, OXE, OpenTouch system events
- Monitored 3<sup>rd</sup> Party Systems
  - ▶ Alarm panels
  - ▶ Access control
  - ▶ News feeds

# Triggers - Wireless Sensors - **900Mhz**

- Available from ICON
  - ▶ Gateway transceiver
  - ▶ DC Volt Meter
  - ▶ Asset Tracker
  - ▶ One Button Press
  - ▶ Dry Contact
  - ▶ Motion Sensor
  - ▶ Open / Close Sensor
  - ▶ Temperature Sensor
  - ▶ Water Detection Sensor
  - ▶ Others



# Triggers - Wireless Sensors - **Wi-Fi**



- Available from ICON
  - ▶ Temperature Sensor
  - ▶ Dual Temperature Sensor
  - ▶ Water Detection
  - ▶ Temperature Humidity
  - ▶ Voltage Sensor
  - ▶ Current Sensor
  - ▶ Door Sensor
- Can operate with existing Wi-Fi Access Points
- Can use dedicated Wi-Fi Access Points

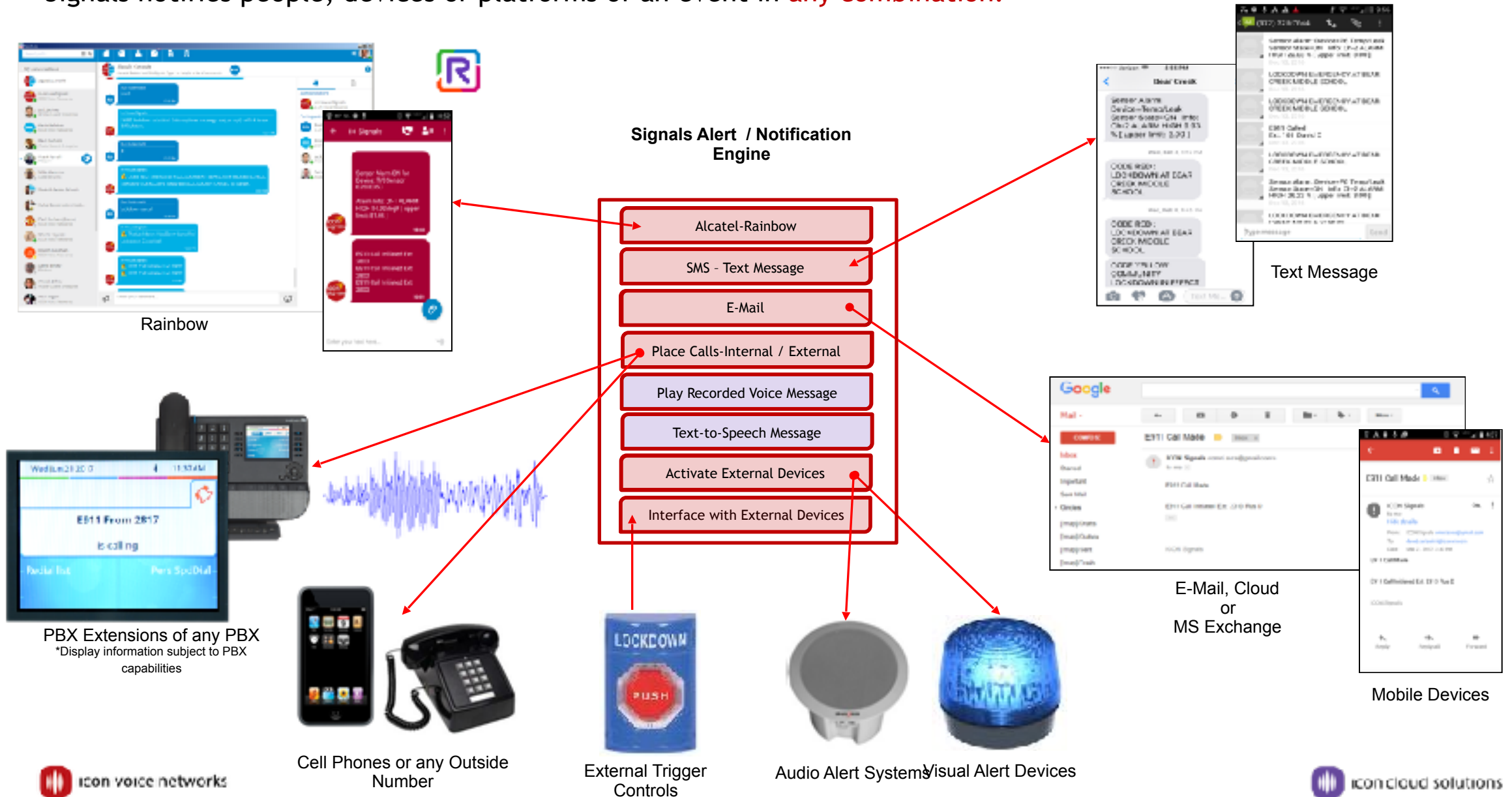


# Events

- Environmental Monitoring
- E-911 Notification
- School Lockdown
- Building Evacuation
- Weather Alert
- Security Monitoring
- Mass Notification

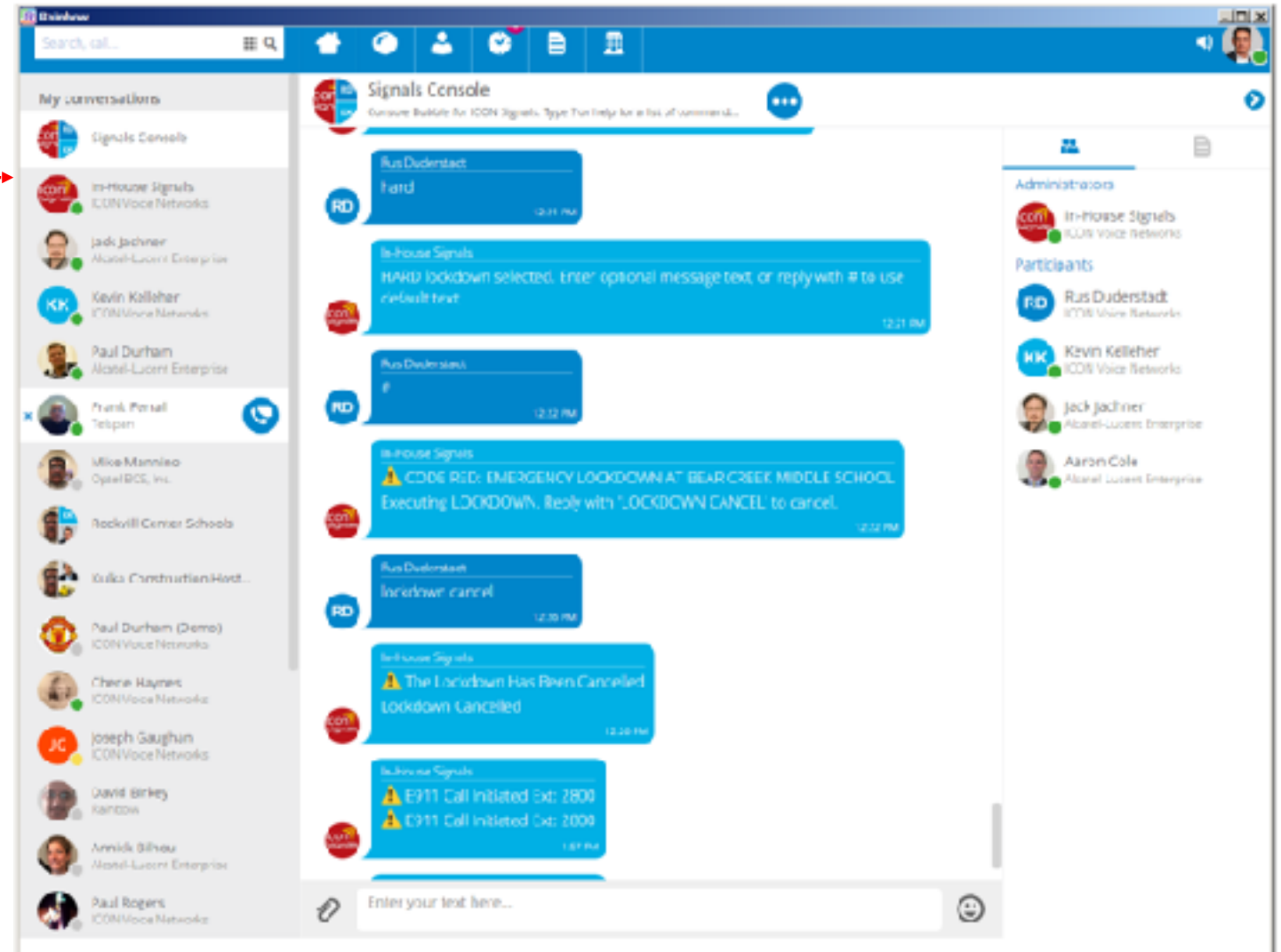
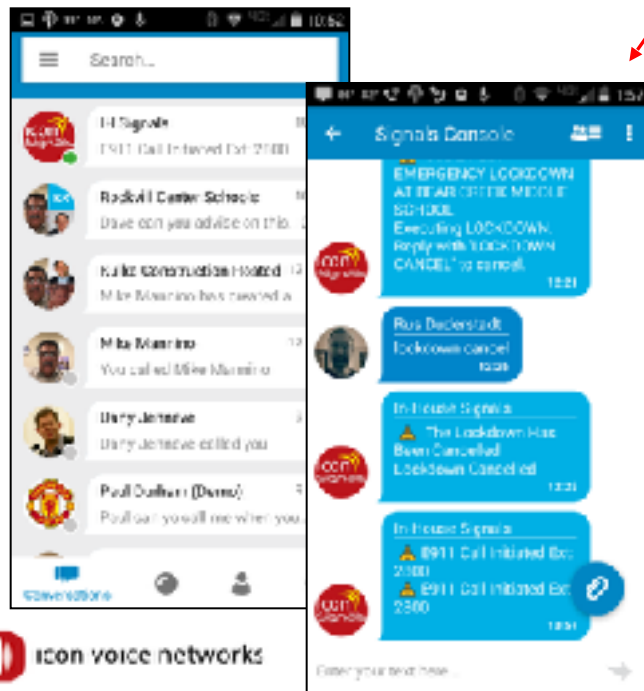
# Notifications

Signals notifies people, devices or platforms of an event in **any combination**.



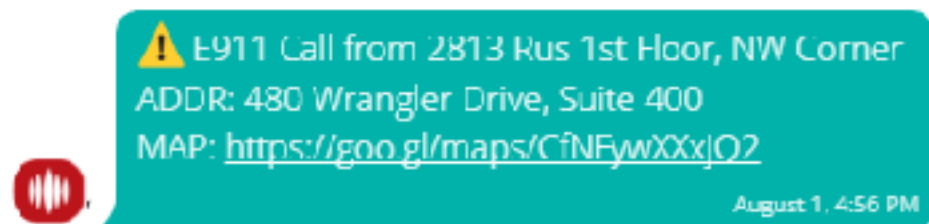
# Rainbow Notification

- ▶ PC Application
  - PC or MAC
- ▶ Web Interface
- ▶ Mobile Application
  - Android or iPhone

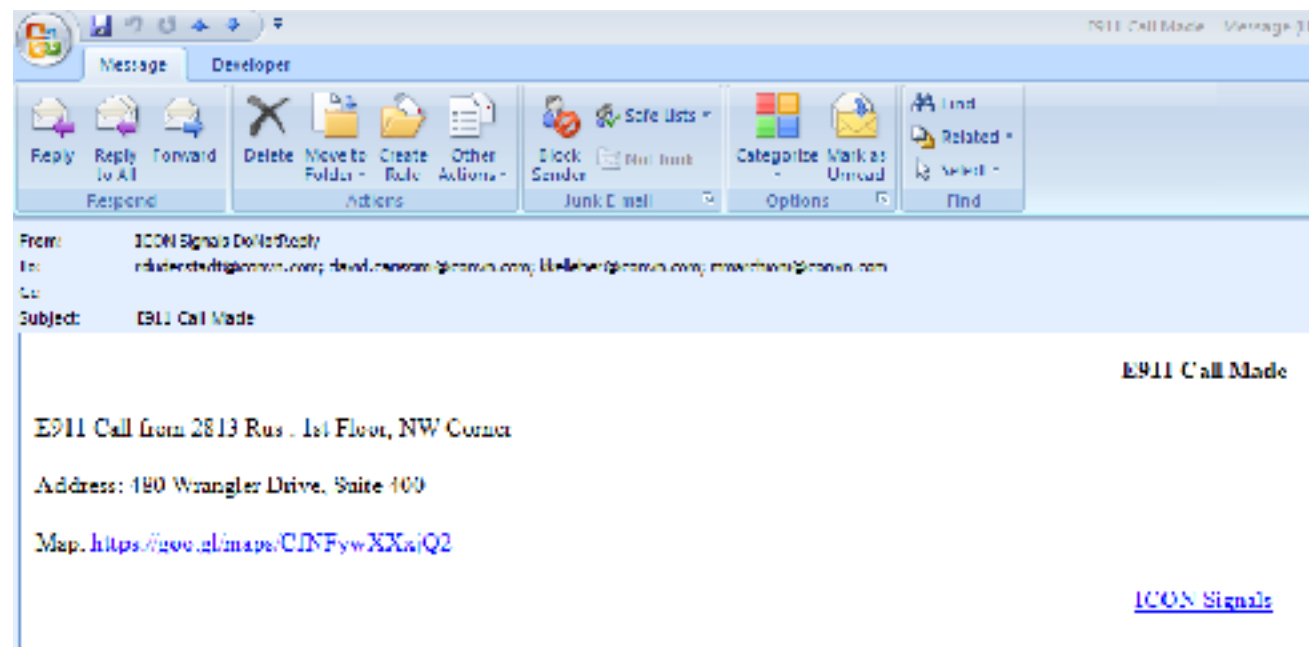


# Locations Alert

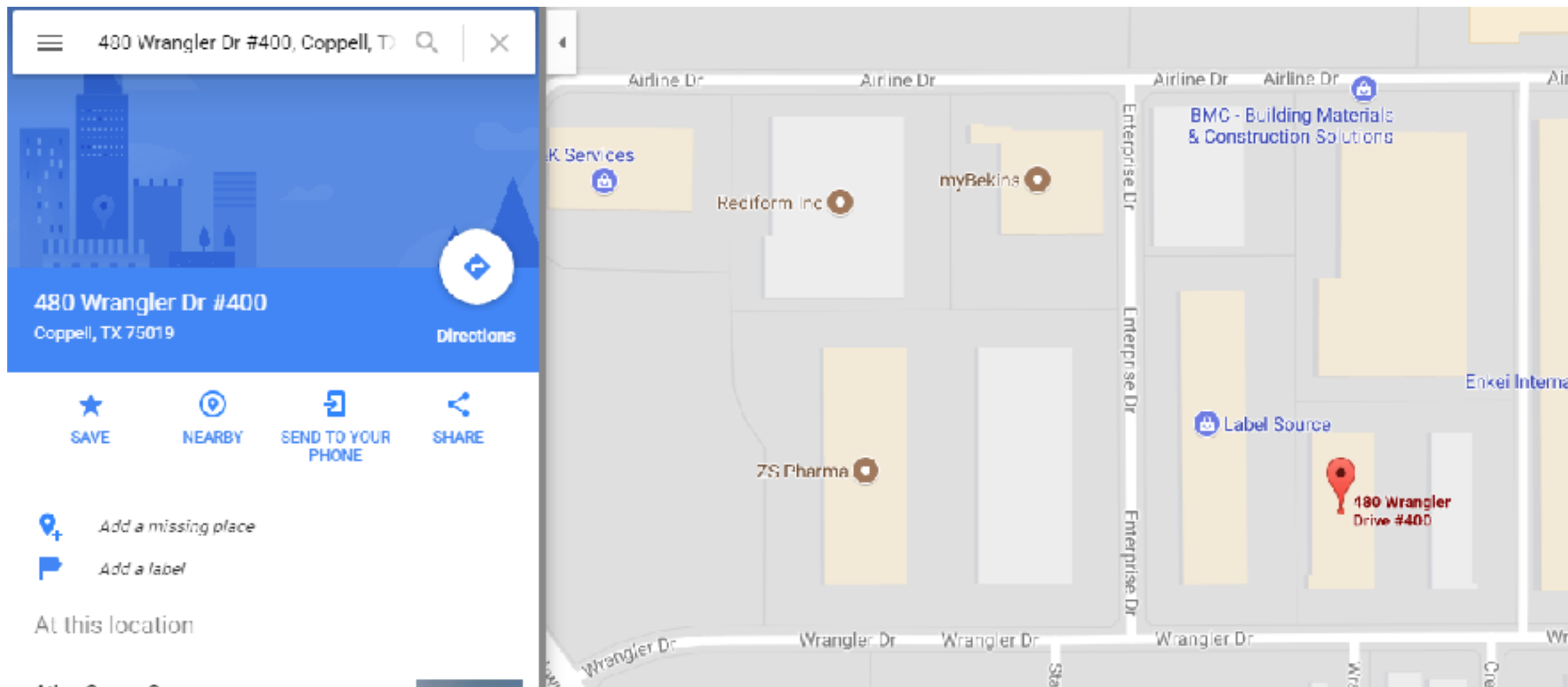
## Rainbow Message



## Email Message



# Location Results



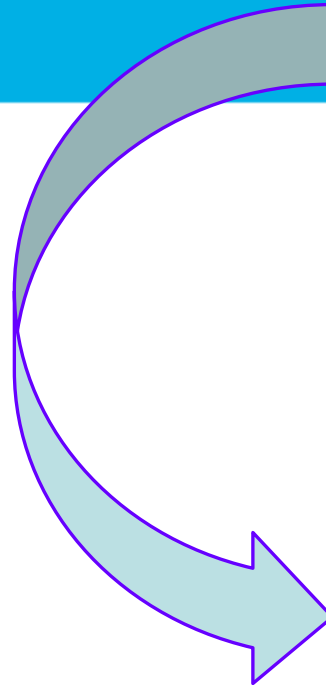
- Surveillance -- Motion Trigger

# Surveillance - Motion Trigger



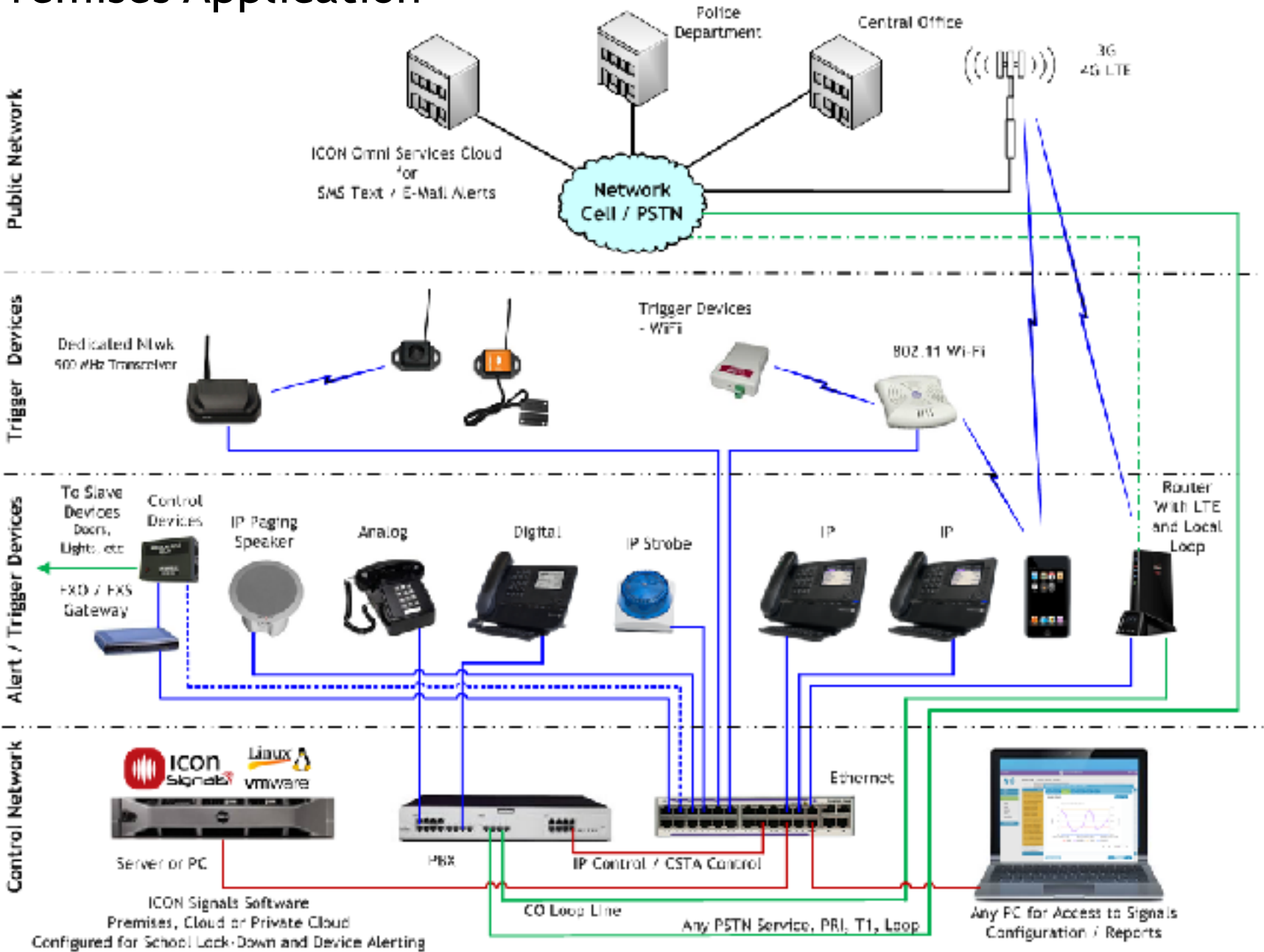
Alert: Motion Detected at Camera EngrConf (id: 82) View: <http://root:security@10.129.0.82/axis-cgi/mjpg/video.cgi>

9:38 AM

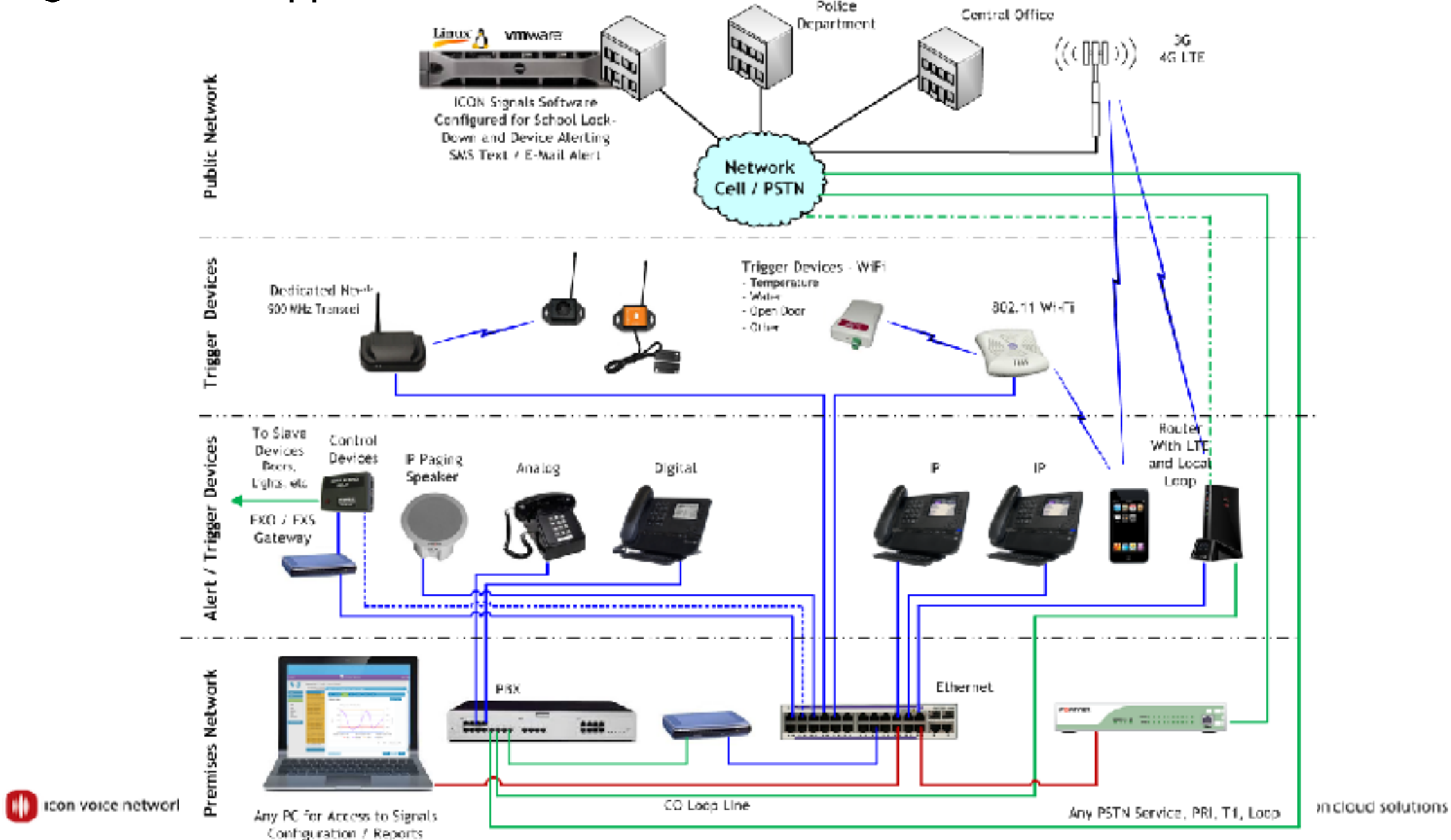


- System Topology Images

# Signals Premises Application



# Signals Cloud Application



# Device or Monitored Activity Detail

Sensor Grid

All Devices: 

1 Alarm

0 Missing

0 Low Battery

Name	Ch	Serial	Alarm	Low Batt	Missing	A-State	D-State
Temp 00191990							
DryContact 00192002							
WaterDetect 00192280							
OpenClosed 00191998							
IRMotion 00192001							
CO-Gas 00170812							
CO Gas 00170812							
Asset 00192004							
DCSV 00192003							
T/O Sensor E250E05C							

Details for OpenClosed 00191998 (serial: 00191998)

Info

Alarms

History

Edit

Actions

Config

Adv

Recent Alarms

Time	State	Flags	User
2017-07-25 14:07:02	ON	801	
2017-07-07 14:20:54	OFF	200	
2017-07-07 14:16:45	ON	801	
2017-07-06 14:55:31	OFF	200	
2017-07-06 14:55:28	ON	801	
2017-06-28 13:22:48	OFF	200	
2017-06-28 12:22:37	ON	801	
2017-06-28 12:22:06	OFF	800	
2017-06-28 12:22:07	ON	801	
2017-06-22 15:52:07	OFF	800	
2017-06-22 15:52:04	ON	801	
2017-06-19 17:35:03	OFF	200	
2017-06-19 17:35:00	ON	801	
2017-06-01 17:10:30	OFF	200	
2017-06-01 16:15:51	ON	201	

EarlierLater

# Embedded Reports

- Signals contains a report engine
- Provides device trigger reports
- Provides reports for different type of sensors such as temperature
- Battery
  - ▶ Daily
  - ▶ Weekly
  - ▶ Monthly
- Reports can be viewed real time and / or e-mailed

Sensor Report 27Jun2017 [\[more\]](#)

ICON Signals Notifier [connorsues@gmail.com](mailto:connorsues@gmail.com)  
to me (-)

Sensor Report 27Jun2017

## Missing

	NAME	ALR	CFM	MIS	BAT	VAL1	VAL2
B23E00753982	Univ Wireless 07682434	0	0	1	0	0.00	0.00
B23E178FC685	Inov_09422469	0	0	1	0	0.00	0.00
B23E188B4B32	Pendant 09128754	0	0	1	1	0.00	0.00
B23E188B4B43	Pendant 09128771	0	0	1	1	0.00	0.00
B23E197D9336	Pendant 00229686	0	0	1	1	0.00	0.00
C03C367D8964	08239460	0	0	1	0	0.00	0.00
P6E1B4C000	T/L Sensor E1B4C000	0	0	1	0	-159.85	0.00
P6E250E05C	T/0 Sensor E250E05C	0	0	1	0	23.34	0.00
P6E2C15164	P6 T/T Sensor E2C15164	0	0	1	1	23.54	23.93
P6E3E7B0F4	P6 T/H Sensor E3E7B0F4	0	0	1	0	23.71	42.85

## Low Battery

	NAME	ALR	CFM	MIS	BAT	VAL1	VAL2
B23E188B49EB	Pendant 09128427	0	0	0	1	0.00	0.00
B23E188B4B32	Pendant 09128754	0	0	1	1	0.00	0.00
B23E188B4B43	Pendant 09128771	0	0	1	1	0.00	0.00
B23E18FC3613	Pendant 16528915	0	1	0	1	0.00	0.00
B23E19619EEC	TwoButton Pendant 063975	0	0	0	1	0.00	0.00
B23E197D9336	Pendant 00229686	0	0	1	1	0.00	0.00
P6E2C15164	P6 T/T Sensor E2C15164	0	0	1	1	23.54	23.93

## Pointsix

	NAME	ALR	CFM	MIS	BAT	VAL1	VAL2
P6E1B4C000	T/L Sensor E1B4C000	0	0	1	0	-159.85	0.00
P6E250E05C	T/0 Sensor E250E05C	0	0	1	0	23.34	0.00
P6E2C15164	P6 T/T Sensor E2C15164	0	0	1	1	23.54	23.93
P6E3E7B0F4	P6 T/H Sensor E3E7B0F4	0	0	1	0	23.71	42.85

ALR: Alarm State [ 1=ON, 0=OFF ]  
CFM: Alarm Confirmed

MIS: Device Missing  
BAT: Device Battery is Low

- Getting Started with ICON Signals

# Marketing Collateral

## Web Pages


<http://www.iconcloud.com/icon-signals-monitoring-notification-solution/>

<http://www.iconvoicenetworks.com/broadcast-messaging/signals/>

## Brochure

<http://www.iconvoicenetworks.com/assets/Signals-Brochure-070617-US-Version-outlines.pdf>


### ICON SIGNALS MONITORING & NOTIFICATION SOLUTION



**Initiate a lockdown from telephones, panic buttons or in the event of a security breach and discretely alert key personnel.**

< >

### IMMEDIATE NOTIFICATION, TIMELY RESPONSE



Becoming aware as quickly as possible when an unexpected situation or disturbance occurs is the first step towards preventing disaster. Ensuring the safety of your employees and protecting the continuity of your business means ICON will work with you to customize an advanced notification solution that allows you to communicate with everyone on any device where ever they may be.



**NOTIFY AND RESPOND TO EMERGENCY CALLS**



**INITIATE A LOCKDOWN FROM PHONES, PUSH BUTTONS**



**MONITOR LIVE FEEDS AND SEND MASS ALERTS**

### Environmental Monitoring

Monitor temperature, moisture, motion, smoke and fire and more. Receive alerts based on programmable thresholds 24/7/365.



Use Signals to know instantly when a problem arises

When something goes wrong there is no time to lose. Whether it's during the day, after hours, during holidays or over a long weekend, ICON Signals provides a reliable monitoring and alert notification solution.

Monitoring - Wired and wireless sensors are available to track any activity taking place at your facility.

• Motion	• Moisture
• Temperature	• DDT/GAS
• Smoke	• Fire
• Door triggers	• Panic button

Notification - If a monitor or sensor is activated, notification is sent to key people or groups.

• SMS message	• Strobe light
• Voice callout	• Loud ringer / bell
• Video feed	• Email
• Loudspeaker	• Paging group

Automatically generate an action if an alert is triggered

Sensors and devices send alerts when triggered and a central station reports on response.

- Environmental notification
- E911 notification
- School lock-down/yellow alert notification
- Alarm panel activation

Sensors can be deployed over your existing wireless network

ICON Signals supports VMS sensors and also integrates with alarm and other systems already in place.

- 100 ft. wired and 1000 ft. wireless
- Fire panels
- Alarm panels
- PDK integration




[www.iconvs.com](http://www.iconvs.com) | Phone: (972) 529-9100 | [info@iconvn.com](mailto:info@iconvn.com)

## Video

<http://www.iconcloud.com/documents/protect-your-business-continuity/>



<http://www.iconvoicenetworks.com/assets/2017-ICON-SIGNALS101517.pdf>



# Next Steps

*No time to lose...*

- Can you have a conversation about Signals with your customers?
- Will this solution resonate with your customers?