



Discover the CENTEGIX Safety Platform and Its Safety Solutions



SAFETY PLATFORM

The foundation for a layered safety plan that saves critical time in emergencies.



SAFETY BLUEPRINT

Direct responders to critical incidents with digital mapping for rapid emergency response.



CRISISALERT

Empower your staff to get help instantly in an emergency with a push of a button.



VISITOR MANAGEMENT

Authenticate, manage, and locate visitors on your campus.



REUNIFICATION

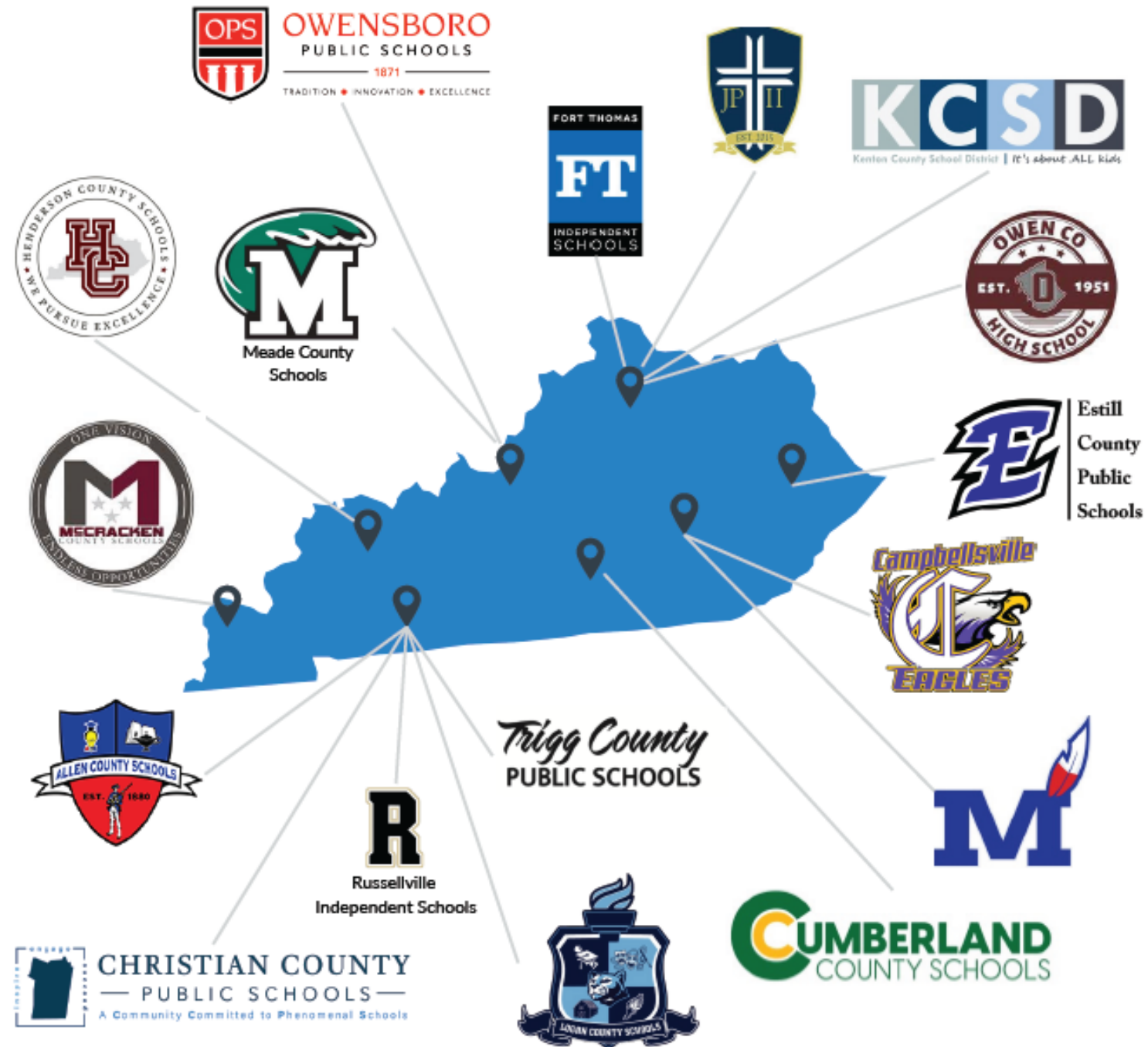
Quickly reunite staff, students, and personnel in an emergency.

Proven Safety Solutions to Support Your Workforce

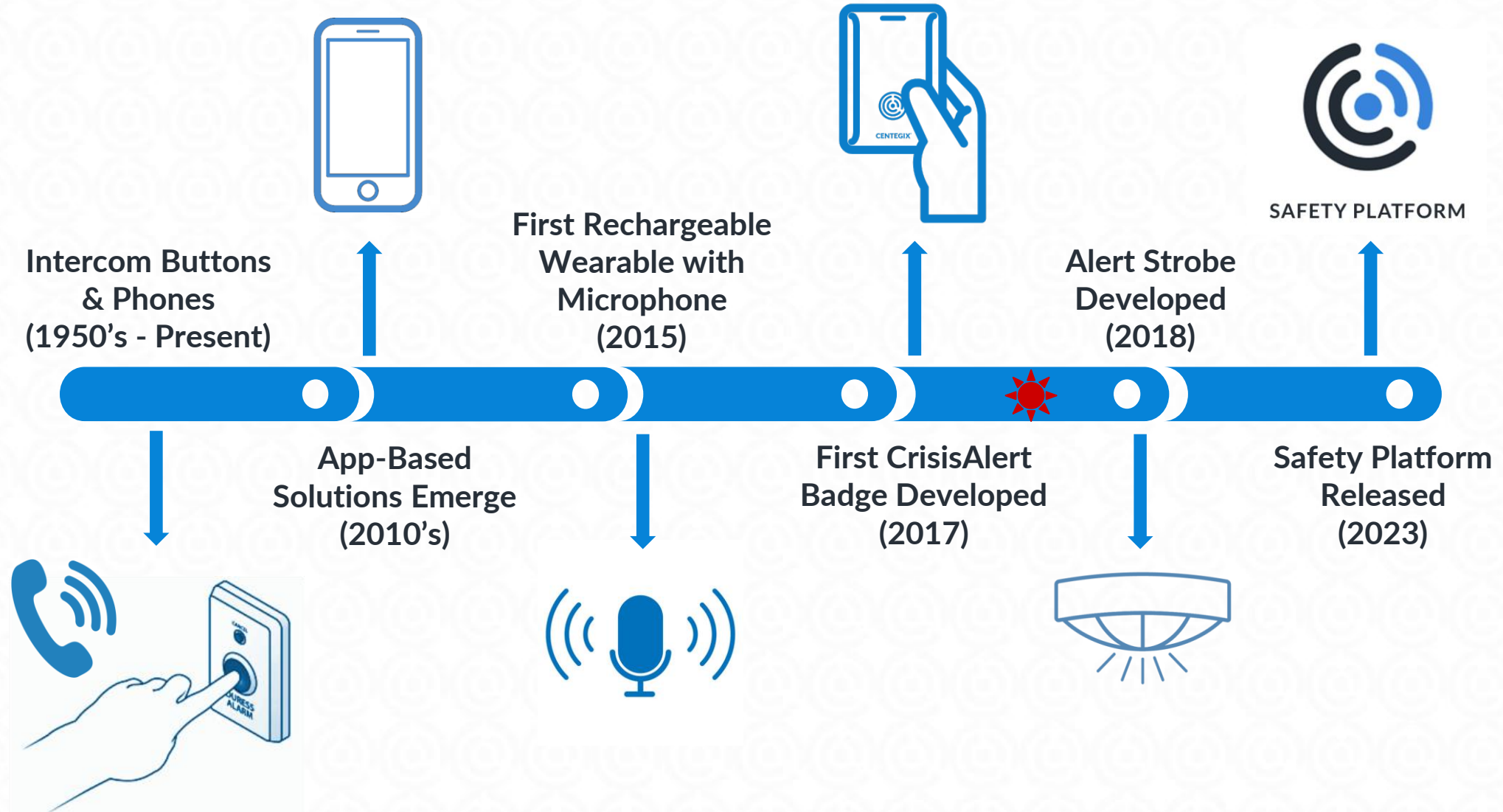
EXPERIENCE

CENTEGIX is the leader in emergency response technology. Our diverse team has decades of experience in government, education and healthcare organizations, and with technology companies ranging from start-up to enterprise. We seek to continually grow in understanding our clients' needs and the dynamics of their industries.





Evolution of Panic Buttons & CENTEGIX



Push Button. Help Comes.



- Always on, **accessible** and **discreet**
- Every staff member has a CrisisAlert badge
- **Notify everyone**, not just staff
- Alerts do **NOT** depend on WiFi or cellular coverage

One Badge, TWO Types of Alerts



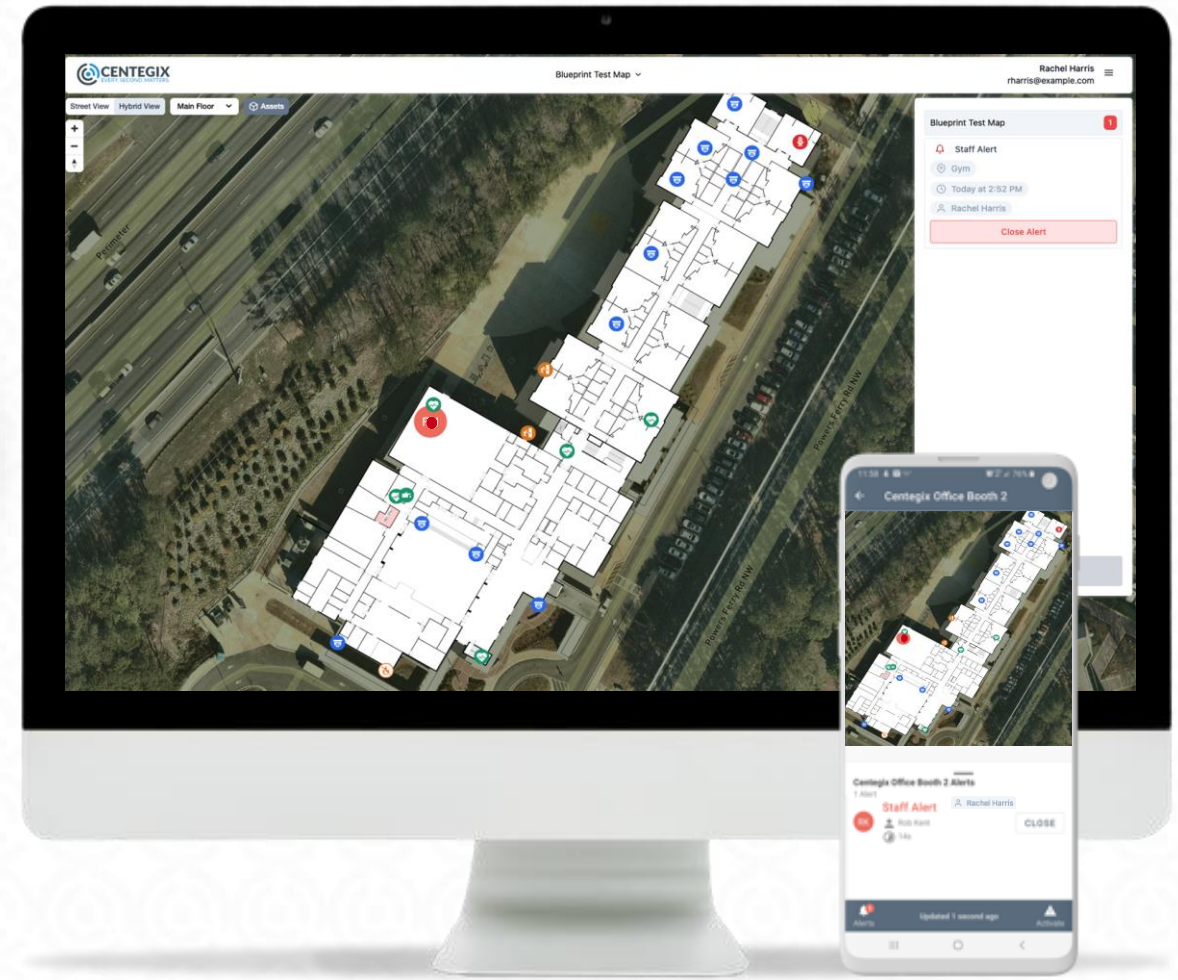
“I Need Help” Staff Alert

Medical, Fight, Elopement



Lockdown Campus-wide Alert

School/District Issue, Campus-wide Threat



STAFF ALERT – 3 CLICKS



EVERY. SECOND. MATTERS.



**VISUAL
ALERT**



**AUDIO
ALERT**



**VISUAL
INSTRUCTION**

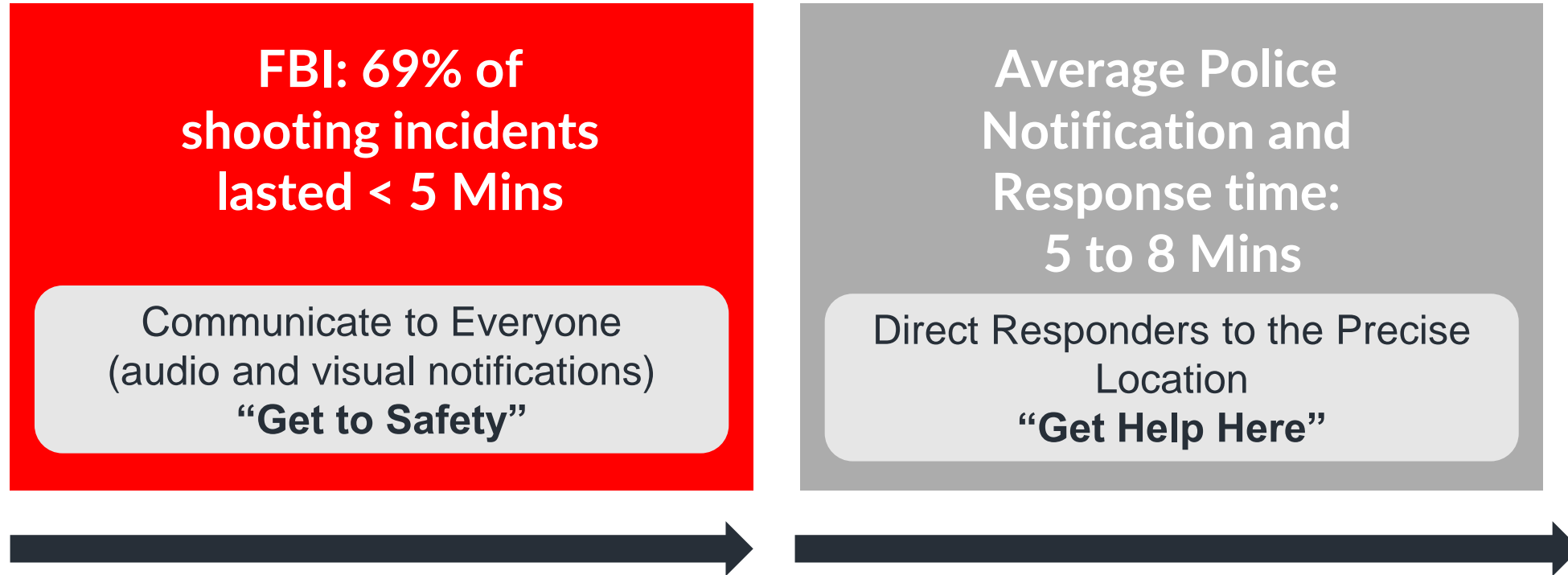


**ALERT FIRST
RESPONDERS**

CAMPUS-WIDE NOTIFICATIONS (1-3 secs)

Immediate Audio and Visual Notification!

School Shooting Event Timeline



Note: 36% of shootings last <2 mins

5 mins

Sandy Hook Advisory Commission (2015):
“there has never been an event in which an active shooter breached a locked classroom door.”



DYNAMIC MAPPING

Safety Platform™ – Safety Blueprint Asset Locating



- North orientation
- Gridded coordinates
- Stacked floors
- Current aerial imagery
- Digital and printable
- Safety software compatible
- Site and building labels:
 - Rooms, hallways, doors, stairwells names and numbers; parking areas, rally points, surrounding roads, neighboring properties
 - Hazards, critical utilities, key boxes, AEDs and trauma kits

Safety Platform™ – Safety Blueprint Asset Data

× Placemarkers
Showing 36 of 65

^ T Labels

- SMALL (68)
- MEDIUM (5)
- LARGE (2)

^ Assets

- Safety and Security (33)
 - Knox Box (2)
 - AED (3)
 - Central Hallway AED
 - Bleed Control Kit (1)
 - First Aid (2)
 - 1011 - Facility Admin Offices
 - General Services Front Office
 - Fire Alarm (1)
 - Fire Extinguisher (1)
 - Room 125
 - Fire Hydrant (3)
 - Emergency Exit (8)
 - Fire Alarm Control Panel (1)
 - Card Reader (4)
 - Water Shutoff (1)
 - Water Shutoff at SW Utility Yard
 - Electric Shutoff (1)
 - Security Camera (2)
 - Gas Shutoff (1)
 - Fire Department Connection (1)
 - Health Clinic (1)

Mapbox

AED
Central Hallway AED

Download

Emergency Defibrillator

AED

1. Call Emergency services (911) and provide location
2. Turn on the AED
3. Use the defibrillator
4. Follow the voice prompts

TO OPEN

3

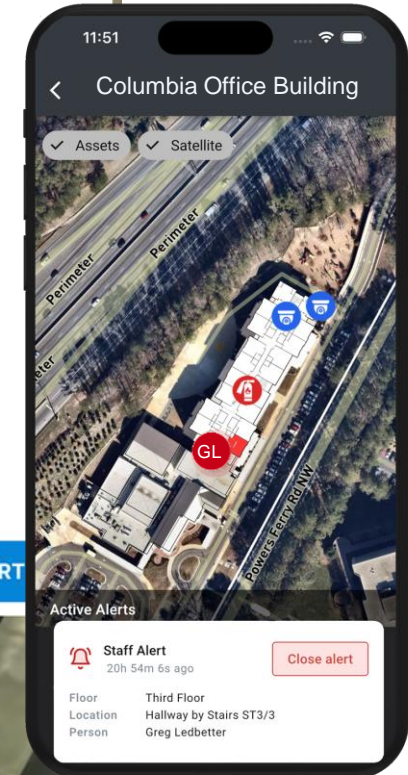
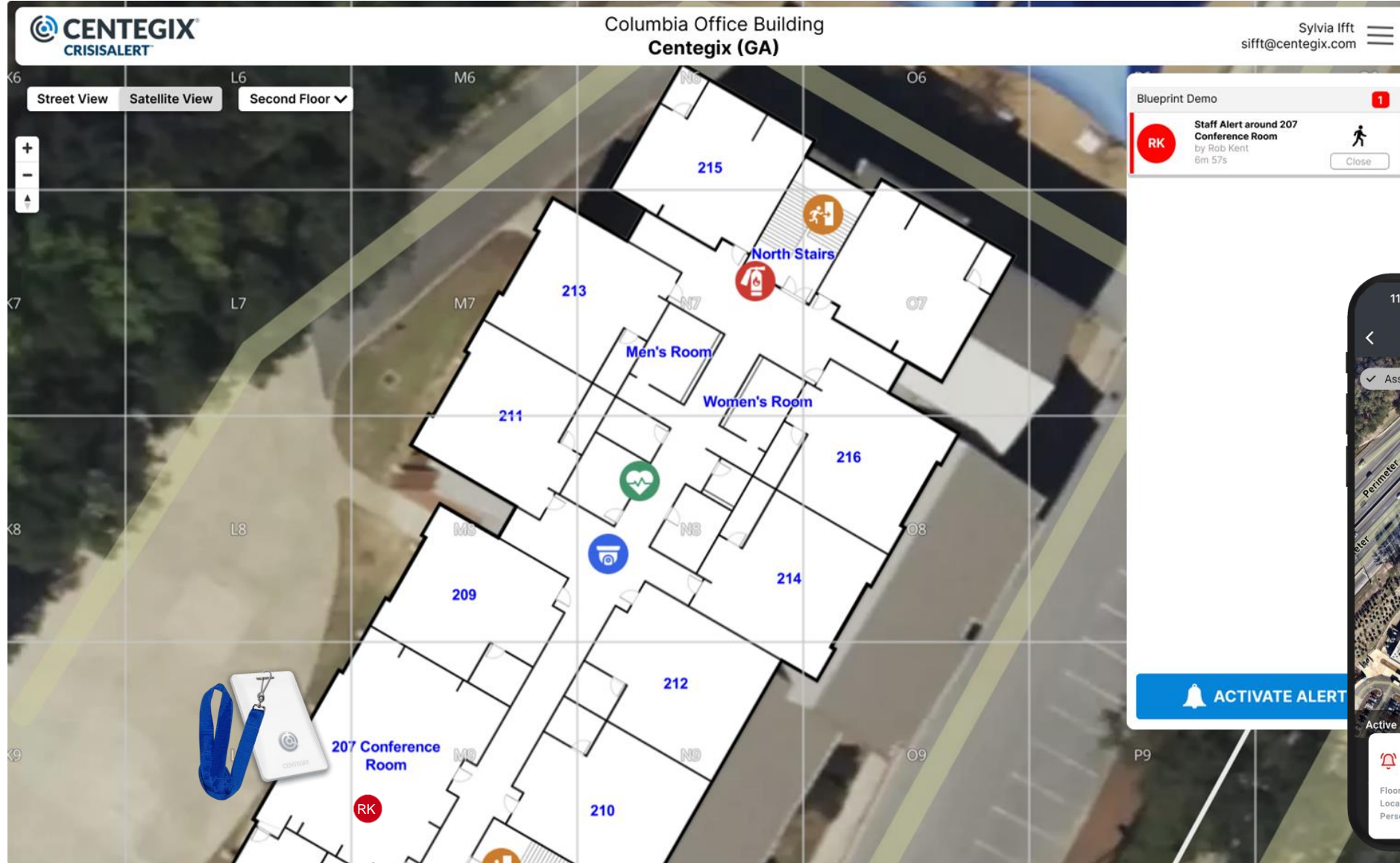
Coordinates
33.91015591465501,-84.42622763

Images

Updated By
sift@centegix.com

Updated At
8/10/2024, 4:38:47 PM

Safety Platform™ – CrisisAlert™ X, Y & Z Locating

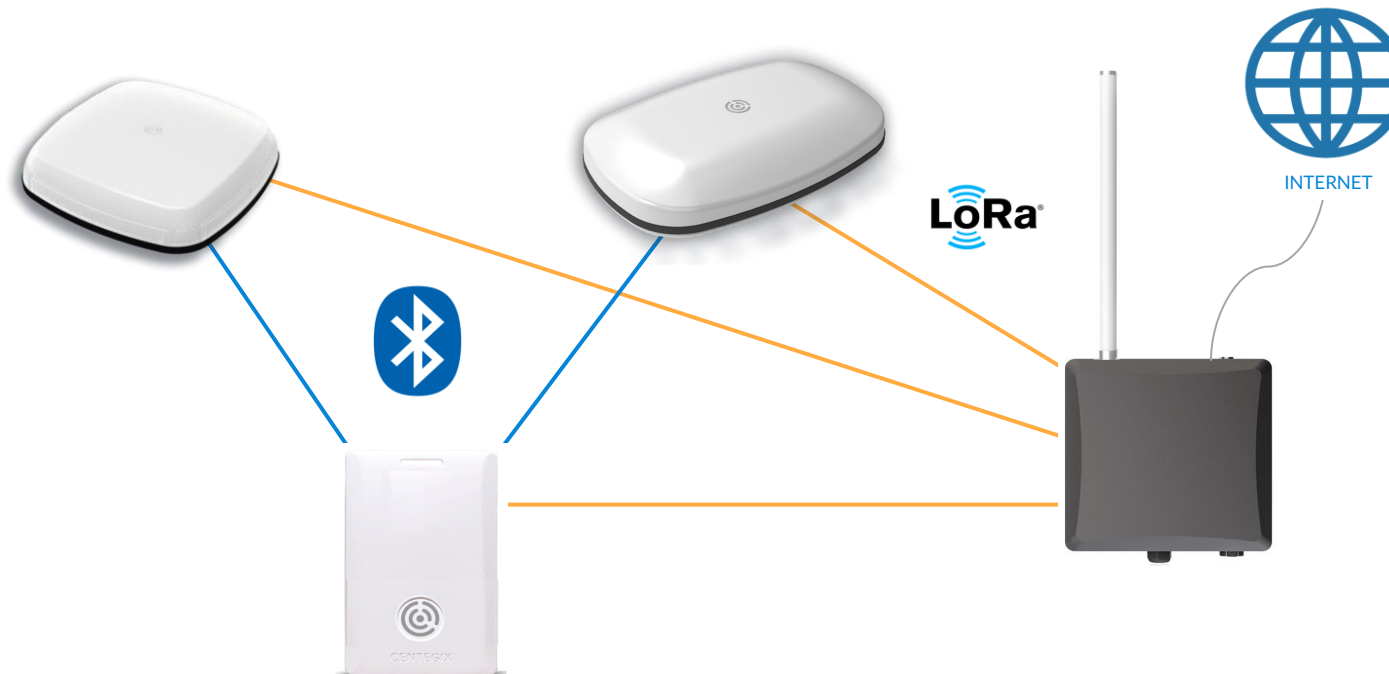




OUR TECHNOLOGY

HOW IT WORKS

NETWORK

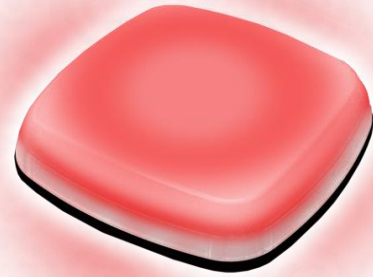


Technology Powering the Network



Badge

- Deployed by Church Staff
- Vibration upon activation
- Activated/deactivated at local site
- Multi-year battery life



Strobe

- Installed by Vendor
- Wire-free installation
- Waterproof
- High impact
- Multi-year battery life



Locating Beacon

- Installed by Vendor
- Wire-free installation
- Waterproof
- High impact
- Multi-year battery life



Gateway

- Pre-configured and shipped
- Requires network drop
- Church or certified vendor installs on network
- Battery backup

Safety Platform™ – Reunification

Gain visibility into the status of all evacuated individuals instantly

Once fully evacuated, staff and those in your care are marked safe through our proprietary software at the reunification site, providing an accurate, real-time digital roster of everyone faster than a manual paper and pencil process.



In action: You will scan the ID badge of your staff member or student or quickly look up their name as they enter the reunification site.

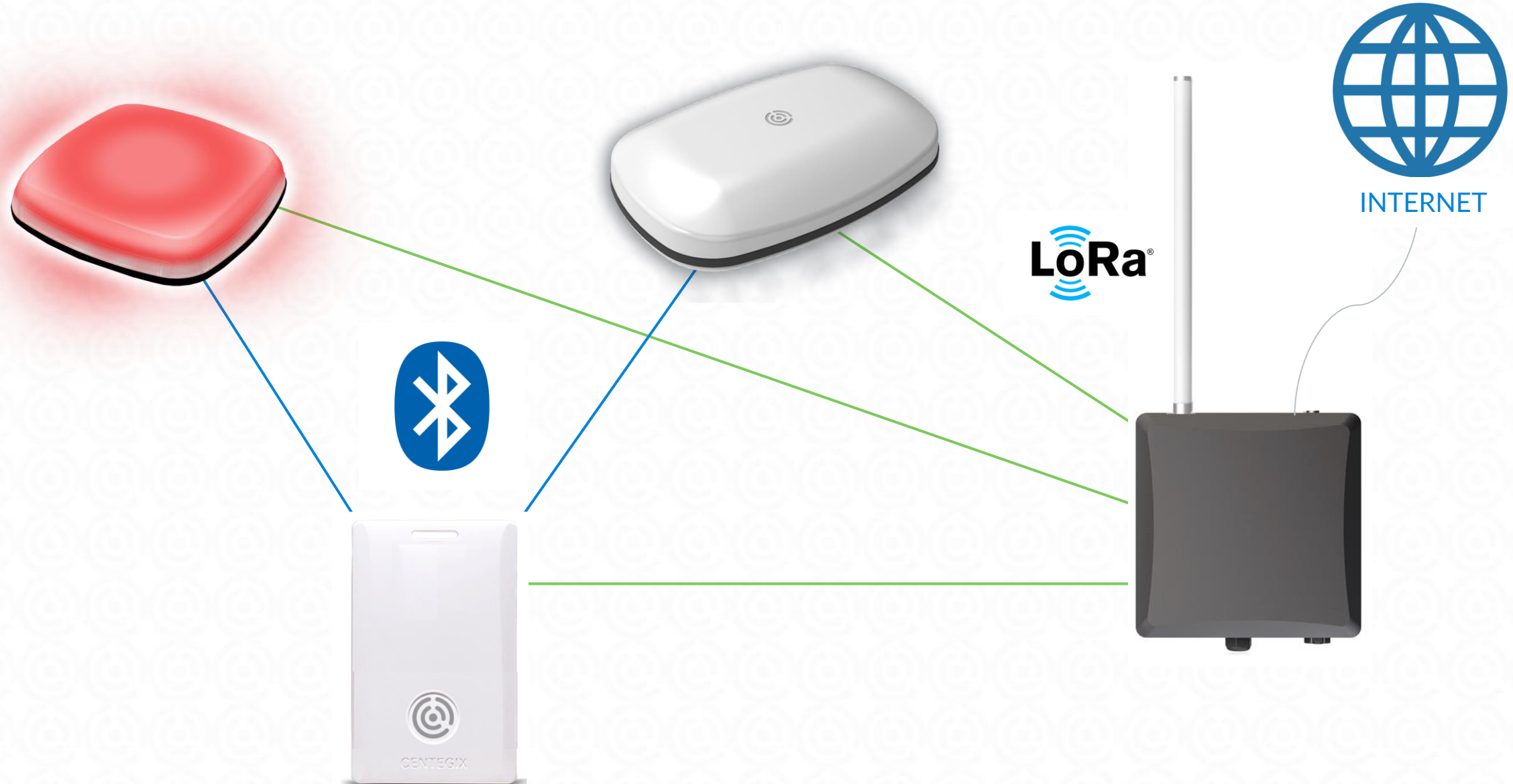
Confidently reunite students with their approved guardians

Use the software to ensure your students are authorized to leave with their guardians. The software performs a custody check, and collects signatures and timestamps for your records, ensuring all personnel are correctly reunited with the authorized guardian.



In action: Upon their exit, scan the ID once more to document the release time and scan the reunification slip to document successful competition.

No Wi-Fi & Quick Installation

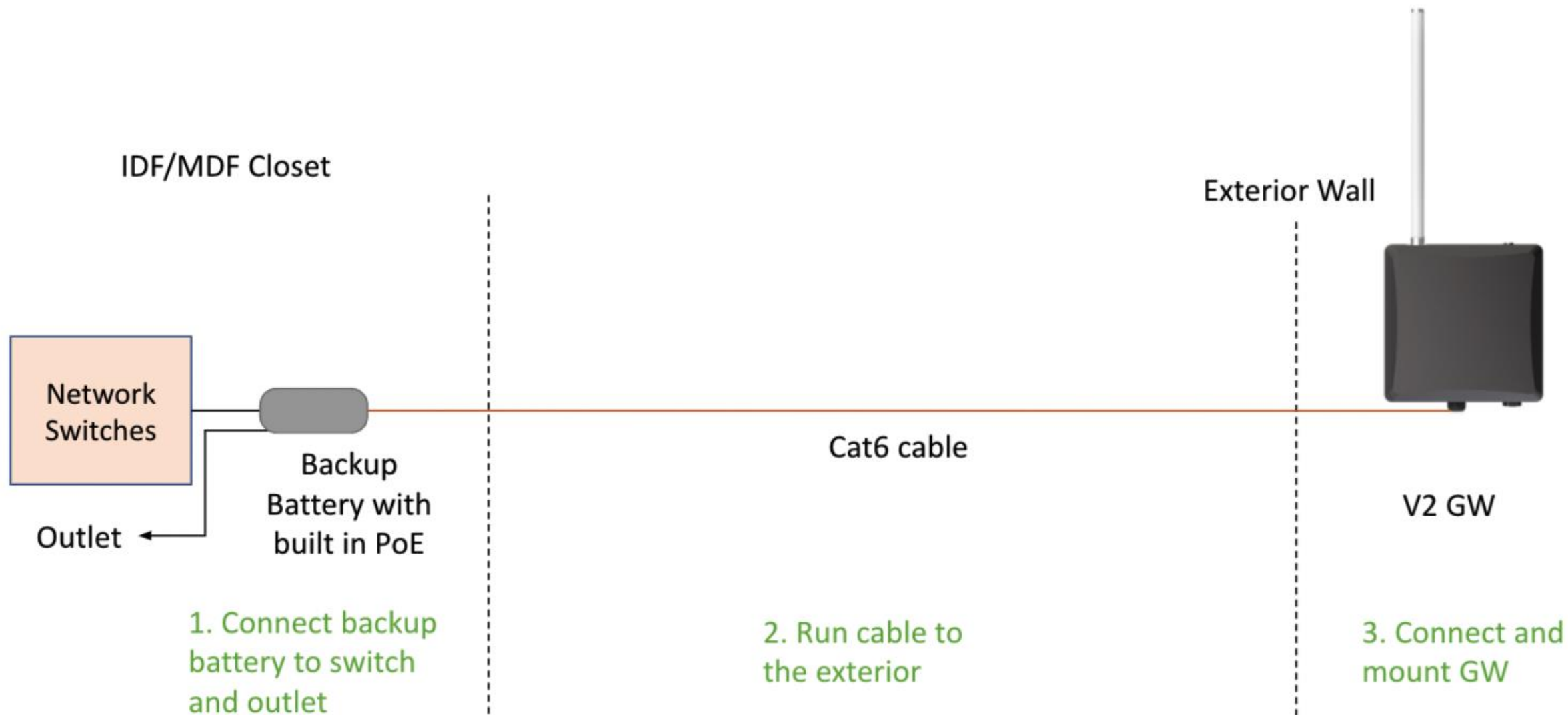


Gateway

- External Mounting
- POE Injector with Battery Backup
- Mounting Hardware included
- Cellular Backup Service

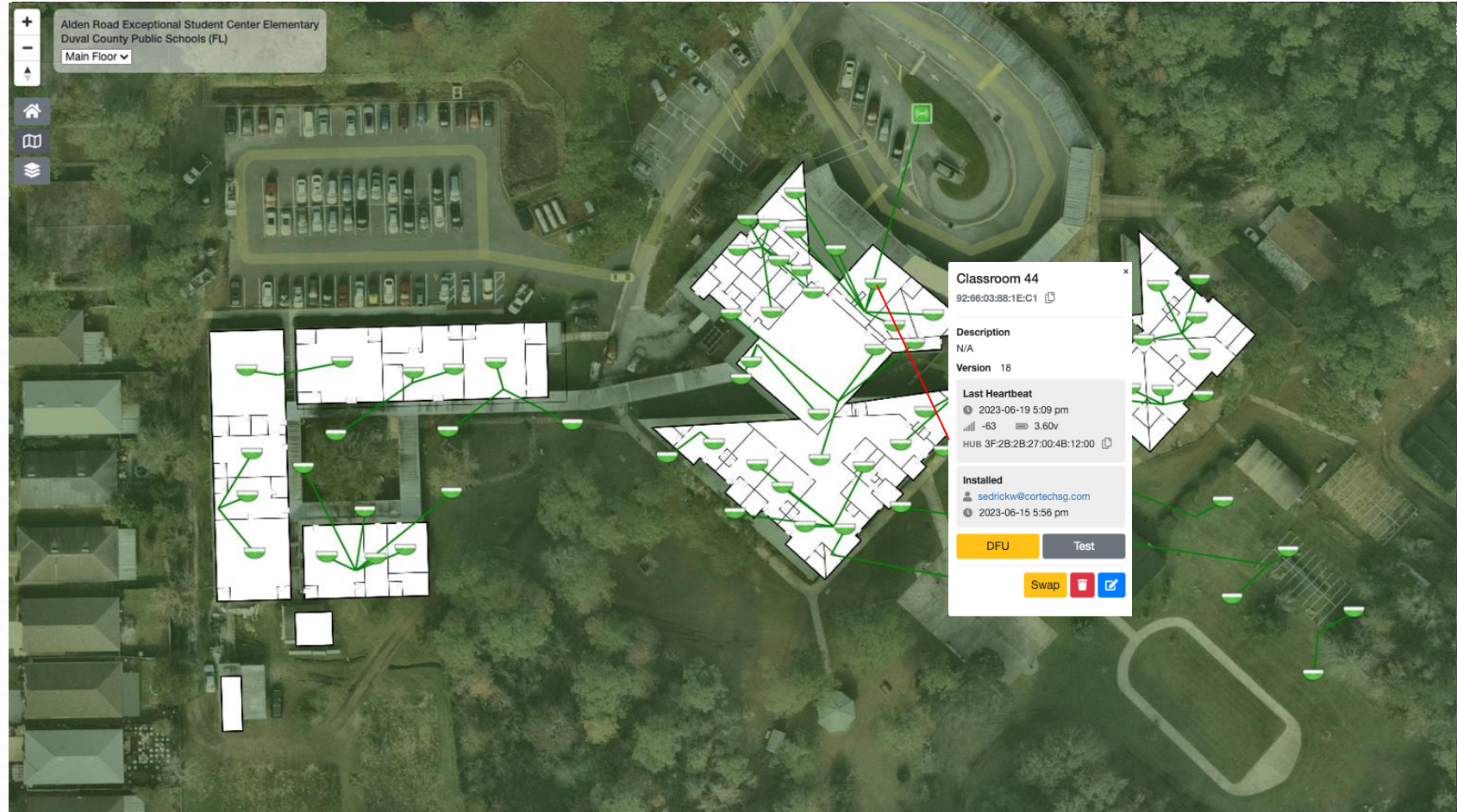


Gateway Installation Overview



Platform Installation Overview

- The CrisisAlert™ Installer Application guides platform device placement on campus
- Vendor Technicians use the Application via a smartphone or tablet
- A map of each site is loaded to the CrisisAlert™ Installer Application
- The Onboarding PM confirms gateway configuration and status prior to dispatch
- Strobes and Beacons scanned, installed, labeled for responder direction
- Strobe installation validates coverage in realtime





VISITOR MANAGEMENT

Safety Platform – Visitor X, Y & Z Locating

Site Manager

NAVIGATION

- Live Heatmap
- Reports
- Users
- Subscription
- Client App
- Emergency
- Support
- Settings

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Live Heatmap

/ Safety Platform / Live Heatmap

Hi Sylvia

Columbia Office Building

Download CSV

Current Visitors

- Michele Bean**
 - Near Room 216
 - Second Floor
 - E3:2B:B4:29:20:A0
 - 61:36 / 30:00
- Morgan Lindsay**
 - Near Room 207 Conference Room
 - Second Floor
 - D5:44:7A:82:E3:FC
 - 11:33 / 30:00

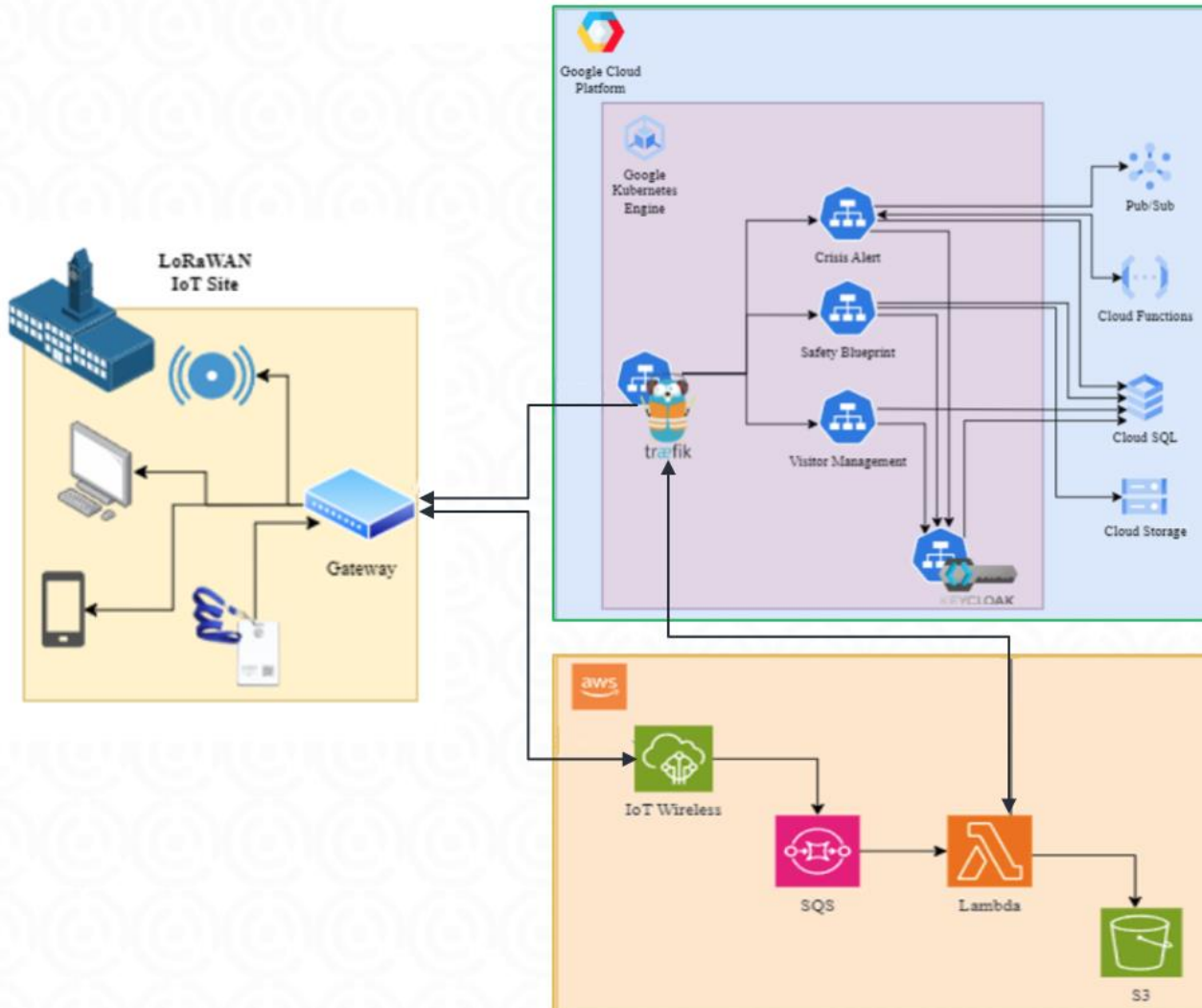
3
2
1





ADDITIONAL

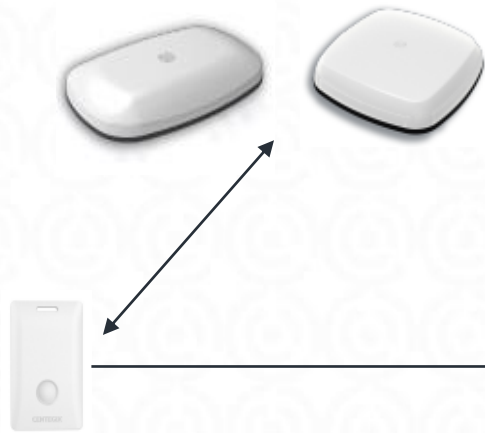
Safety Platform Infrastructure and Services Overview



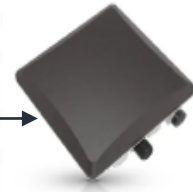
- LoRaWAN connections (by default) are encrypted end-to-end (through the gateway) using AES256 (CTR mode)
- LoRaWAN IoT devices are managed in AWS (IoT Wireless)
 - US locations only: AWS US-East-1 (Northern Virginia)
 - Environments are active-active
- Safety Platform connections are encrypted using TLS 1.3
- Safety Platform services are managed in GCP
 - US locations only: GCP US-East-4 (Northern Virginia)
 - Environments are active-active

CENTEGIX Alert Data Flow Diagram

1. Upon badge activation, the badge scans for the closest location device (beacon or strobe) device via BLE. All traffic is encrypted end-to-end SHA-256 SSL.



2. Badge builds up an alert payload and delivers the content to the LoRa gateway. The LoRa gateway does not inspect/alter payload from the badge.



3. LoRa gateway then transmits the content securely using AES256 to Centegix's AWS IoT instance using access to Internet via LAN or cellular backhaul.



4. AWS IoT decrypts AES payload from the LoRa gateway. Resulting encrypted alert payload is sent to CENTEGIX Safety Platform and then decrypted. CENTEGIX then processes the alert by issuing internal notifications (strokes), notifications to responders and/or output to integrations.



API Integrations



Responder Application



911/PSAP Command Center



Desktop/Laptop Responder

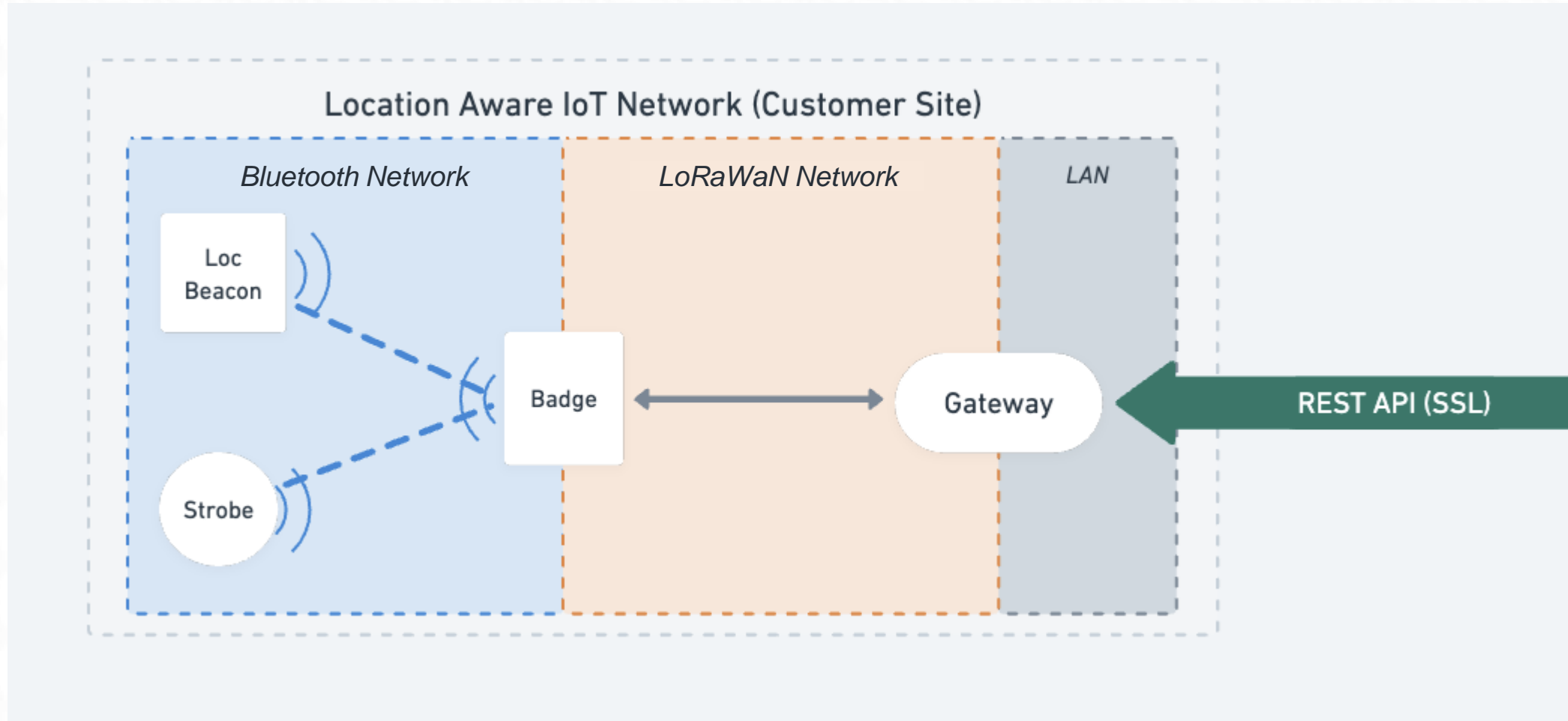
CENTEGIX Firmware Management



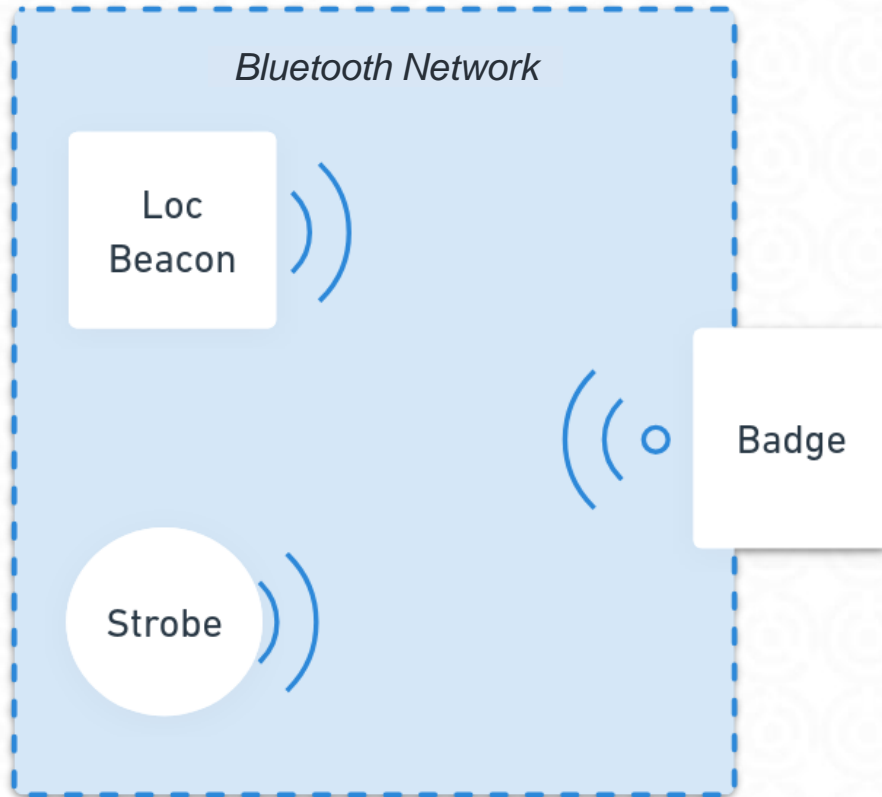
- CENTEGIX exclusively engineers and designs the modules (badges, strobes and locating beacons) that are utilized by the Safety Platform's IoT devices
 - Eliminates firmware dependency on 3rd parties – 100% CENTEGIX managed
 - CENTEGIX controls the flow of all packets/information
- CENTEGIX uses FUOTA (firmware updates over-the-air) to manage device health and update settings (for battery management, etc.)
- For RAK Wireless gateways, CENTEGIX provides an initial device configuration that upon initial activation will connect to AWS (United States) servers to request an initial firmware update. The gateway receives the CENTEGIX firmware update, and auto updates. CENTEGIX controls and manages this firmware update.

APPENDIX

LoRaWAN System



CENTEGIX Badge



The CENTEGIX Badge acts as a Central device, meaning it can initiate connections. When activated it can scan for other BLE devices regardless of the payload structure.

By being technology agnostic, the CENTEGIX badge can detect iBeacon, AltBeacon, URIBeacon, and even custom beaconing formats.