

SOLUTION BRIEF

FIRST RESPONDERS

The Patrocinium Platform provides first responders with essential tools for communicating with the public and real-time location awareness of the public and each other during emergencies.

Our global solution enables real-time 3D visualization of buildings and instant, multi-modal communications with individuals or groups for emergency or non-emergency applications.

Patrocinium's vendor neutral API integrates with existing central monitoring systems to provide a unified communications, 3D visualization, access management, video, and fire-alarm platform.

The Patrocinium Platform has received SAFETY Act designation from DHS as a promising anti-terrorism technology. Additionally, the Patrocinium Platform is available to first responders on the AT&T FirstNet App Store.

Patrocinium Platform Overview

Integrate Floorplans, Cameras, Etc.

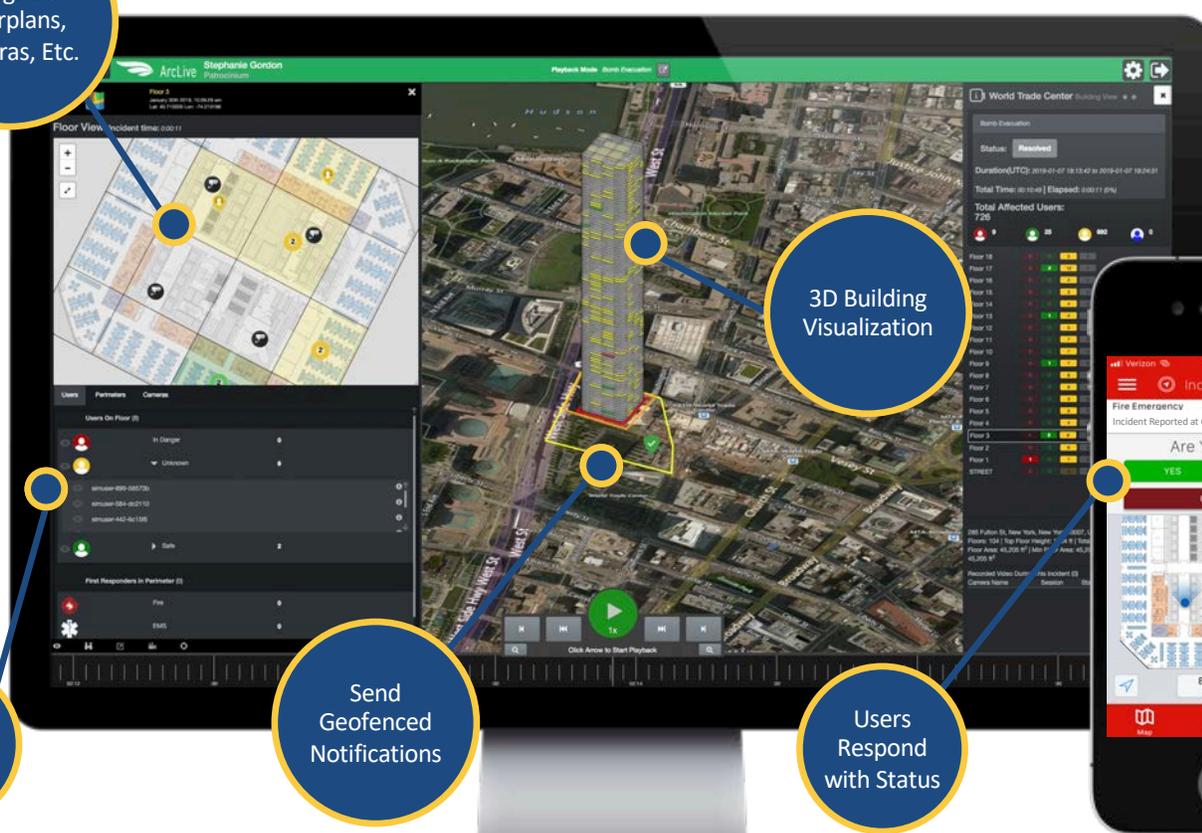
Mobile App/SDK

3D Building Visualization

Real Time Virtual Triage

Send Geofenced Notifications

Users Respond with Status

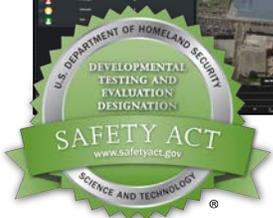
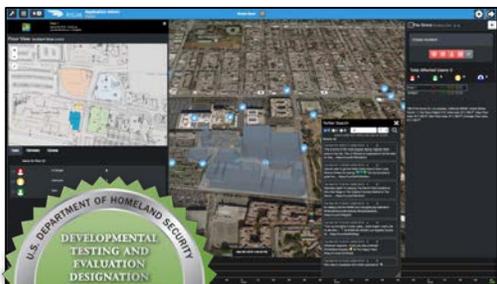


PATROCINIUM PLATFORM CAPABILITIES

KEY FEATURES

- **'Single Pane of Glass'** – Common dashboard and point of integration for all relevant data including; users, weather alerts, camera feeds, heat mapping, access and biometric sensor data, facial recognition tools, etc.
- **'3D' Awareness** – Only solution with the ability to build and view multiple buildings in three-dimensions and visualize real-time data by floor and room
- **Crisis Management** – Tools for security operators and first responders to effectively monitor users' safety during emergencies, manage team actions in real-time, and resolve incidents faster
- **Targeted Communications** – Call, text, or notify individual users or teams from the dashboard via multiple communication pathways
- **Record & Playback** – Record all user actions and data from incidents. Use playback capabilities ('4D') to rewind in time and replay incident, including camera data, after the incident for insurance and training purposes
- **Asset & Resource Tracking** – Opportunity to use ArcAngel mobile application's location tracking to enable resource tracking and asset oversight

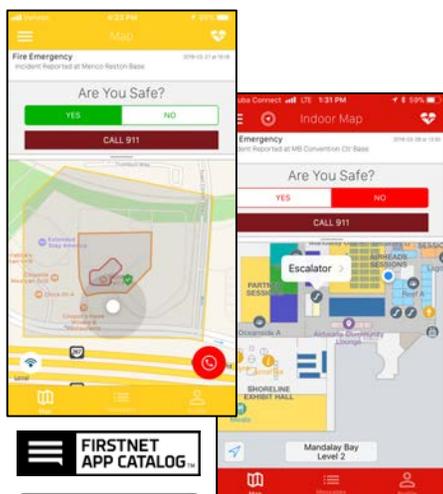
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KEY FEATURES

- **Location Aware** – Provides location updates to platform in the case of incidents or location changes. With the deployment of Bluetooth (BLE) beacons the location updates can be extremely specific to floor/room
- **Emergency Notifications** – Allows rapid communication with the public via the application in the case of emergency. Collect safe/unsafe updates, identify user location, and message incident updates
- **Wayfinding** – Provide floor based, turn-by-turn directions to the public in the case of emergencies and allow the public to find appropriate safe zones
- **Emergency Calls & Active Tracking** – As appropriate, allow first responders to request active tracking if safety is a concern
- **Remote Incident Management** – Authorized security personnel may remotely trigger an incident, share incident data, communicate with team members, and remotely identify team members' locations during incident
- **Standard Operating Procedures (SOPs)** – First responders can reference SOPs during emergencies or to review at any time to improve training
- **Mobile SDKs** – The ArcAngel application functionality can easily integrated into existing branded mobile applications for increased adoption among the public

ArcAngel™



FIRST RESPONDER USE CASES

Stoneman Douglas High School Shooting – Feb. 14, 2018

Problem

- School security couldn't effectively communicate with students and teachers. The shooter set off the fire alarm, which prompted some students and teachers to leave their classrooms instead of following lock down procedures.
- First responders were unable to locate the shooter. Multiple reports lead to confusion about where the shooter was.
- There was a lack of real-time information. The school's cameras were not monitored, and footage was delayed 20 minutes.

Solution

- With the Patrocinium Platform, school security could have initiated an "incident" sending a message to all students/faculty on campus to lock down and ignore the fire alarm. Students/faculty could have reported their status (safe/unsafe). This "virtual triage" along with the movement of app users displayed on the dashboard map could have helped law enforcement find the shooter and protect faculty and students. Streaming camera footage ingested and visualized on the same dashboard map could have provided a real-time "single pane of glass" for first responders.

Ft. Lauderdale Airport Shooting – Jan. 6, 2017

Problem

- TSA and law enforcement couldn't effectively communicate with travelers or airport staff. The shooting lasted approximately 80 seconds, but a mass panic occurred following unfounded reports of additional gunshots. The false alarm touched off brief panic in other terminals.

Solution

- With the Patrocinium Platform, TSA or the Broward County Police could have more quickly notified travelers that the active shooter was subdued, reducing panic and resuming normal operations more quickly. Patrocinium's ArcAngel App could have been integrated into the FLL Airport App and/or airline apps to ensure greater coverage.

Virginia Beach Shooting – May 31, 2019

Problem

- Many municipal workers didn't know there was an active shooter in their building. The shooter used a silencer and some employees mistook the sound for a nail gun.
- Law enforcement's response was stymied by locked doors in the three-story building. Police were unfamiliar with the lay out of the building and encountered locked doors requiring key cards that slowed their ability to get to the shooter.

Solution

- With the Patrocinium Platform, law enforcement or building owner could have sent a message to everyone inside the building alerting them of the active shooting situation. Law enforcement could have seen the location and status of people inside the building (in 3D by floor) on the dashboard map. With integrated access control, the building owner could have unlocked all doors from the same dashboard.

Boston Marathon Bombing – April 15, 2014

Problem

- First Responders couldn't communicate with spectators and race participants in real time during the bombing.
- After the bombing, first responders had no unified way of communicating with the community during the manhunt for the suspects.

Solution

- With the Patrocinium Platform, first responders could have drawn a geofence over the impacted area and communicated with groups by distance from the incident. App users could have responded with their status (safe/unsafe) to help target response. During the manhunt, police could have sent real-time updates to ArcAngel App users in the search area. As well as outlying neighborhoods for reduced panic and information awareness.