



## Indoor Mapping for School Safety

- Reduce Response Times
- Improve Situational Awareness
- Provides Exact Location of 9-1-1 Caller & Accurate Map for Public Safety Officials
- Interoperability with Public Safety Applications
- Extended Value for Facilities Management

## Contact

Sarah Erickson

651.303.0990

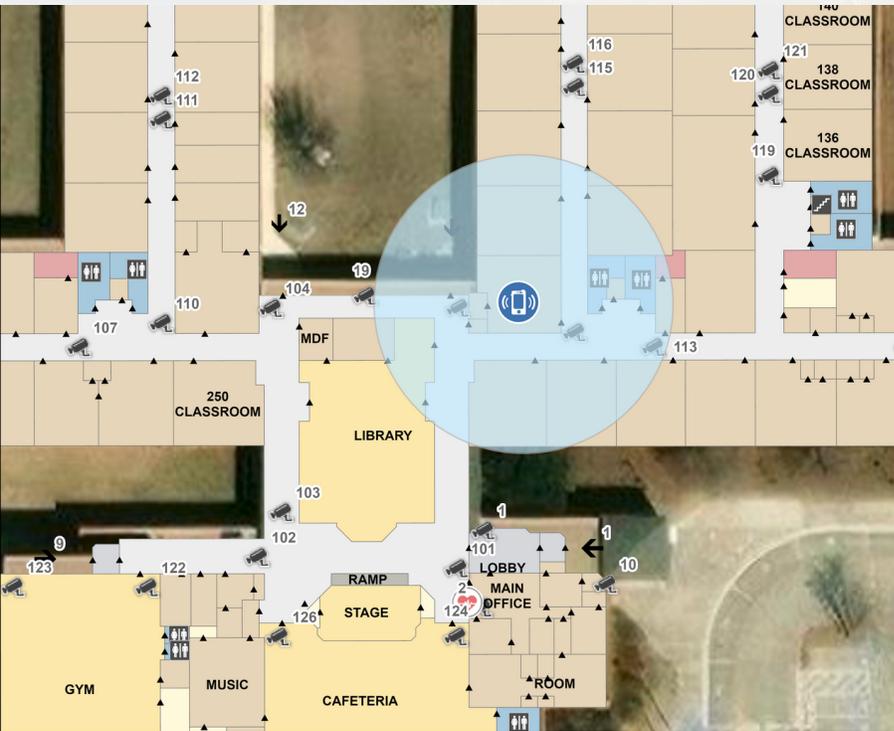
sarah.erickson@unitedstrategiesllc.com

## The Problem

During times of school emergencies - from medical issues to fights to an active shooter - seconds can truly make a difference. Getting the right information to the right person at the school and to public safety agencies as quickly as possible is critical to minimize the negative effects of emergencies, including the potential for saving the lives of our most vulnerable.

## What Can We Do?

If a school has up-to-date floor plans, a spatially aware geographic information systems (GIS) data layer can be created and shared with existing public safety applications & jurisdictions. If a floor plan is not available, off-the-shelf technology can scan the building & build an accurate and up-to-date map of the school to be shared with public safety.



## The Solution

A GIS-based indoor map of a school links a 9-1-1 call or the press of a panic button to designated school personnel (e.g., SRO) and public safety. This will display the caller's location on a detailed indoor map and alert others to the incident, thus decreasing the response time for first responders. This project can be a game changer as it serves as a foundation for additional system integrations such as access control, cameras, gun detection, pre-planning, and training applications. In addition, the indoor maps can be provisioned into existing public safety applications, resulting in greater interoperability. The indoor map acts as the hub, integrating capabilities which can have a significant effect on reducing response times and improving situational awareness.

[WWW.GEOCOMM.COM/SCHOOL-SAFETY](http://WWW.GEOCOMM.COM/SCHOOL-SAFETY)

# Case Study: MN School Safety Pilot Project

## Addressing Challenges of Locating 9-1-1 Indoor Callers

The Tri-County (Stearns, Benton, and Sherburne) School Safety Pilot Project was a partnership between the Greater St. Cloud Public Safety Foundation, local school districts, county 9-1-1 emergency dispatch centers, and GeoComm. Together, this effort aimed to create detailed GIS indoor maps of seven pilot schools in the Tri-County area to improve response times to school incidents. The maps were shared with dispatch centers to be used in their 9-1-1 applications.

## Project Quick Facts

### GOAL

Improve emergency personnel's situational awareness and response time to school crises.

### APPROACH

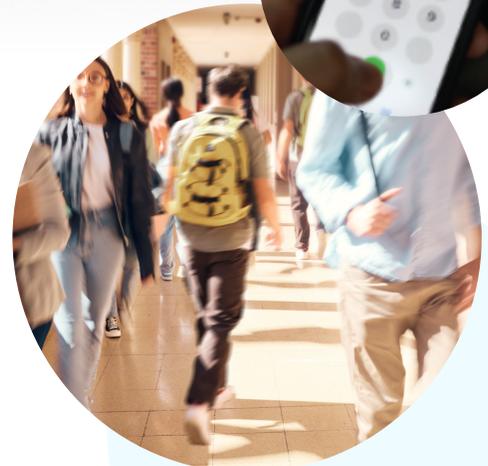
- Convert paper-based floorplans of seven pilot schools into GIS indoor maps for dispatch and emergency response.
- Train dispatch and response teams on effective use of GIS data

### OUTCOME

Accurate, detailed indoor maps available to first responders.

## Project Results

These are two images of a map with the same location of an area school. The top right image is the 9-1-1 mapping application view of a school without an indoor map of the school building. The bottom right image is the 9-1-1 mapping application view of a school with an indoor map of the school building. These visuals illustrate the difference and value of the indoor map.



9-1-1 map application view of a school **without an indoor map** of the school building.



9-1-1 map application view of a school **with an indoor map** of the school building.