



GadgEon
Engineering Smartness



RoomPro: Communication device for School security

Customer needed a reliable communication system during emergency events at schools

Project Period : 8 Months

Team Size : 6 members

Protocols Used : MQTT, ZigBee, APNS, GCM, HTTP

Legacy Communication Challenges

- One-way communication
- Unable to customize alerts for specific events
- Lack of leadership engagement

Solution

- GadgEon designed an end-to-end IoT system that included a custom microphone, hub, gateway, mobile app and cloud development.
- Result is the first classroom audio system to incorporate two-way messaging, staff-locating, and visual alert notifications for emergencies.

School Emergency System

CLIENT

- US based Wireless AV Equipment Manufacturer.

BUSINESS NEED

- A Reliable communication system during emergency events at schools.

TECHNOLOGY

- iOS / Android , Wi-Fi, MQTT, APNS ,GCM, Google map sdk – iOS/Android, VoiceLayer Sdk –iOS/Android, SQLite.

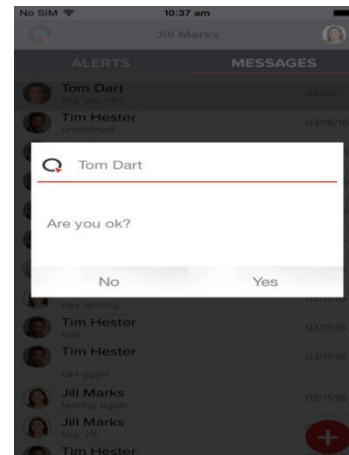
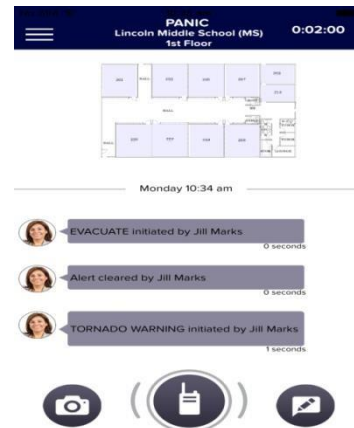
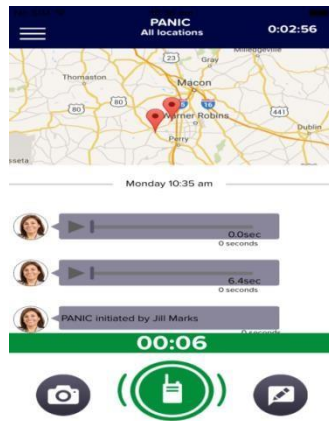
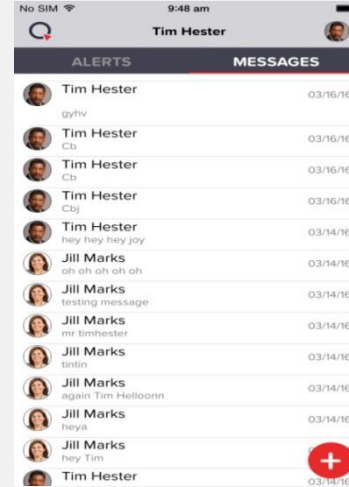
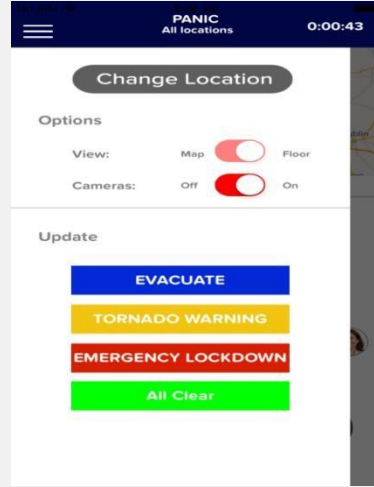
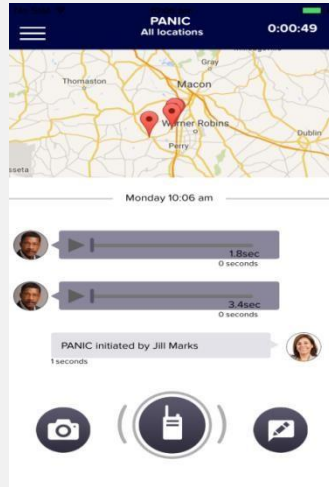
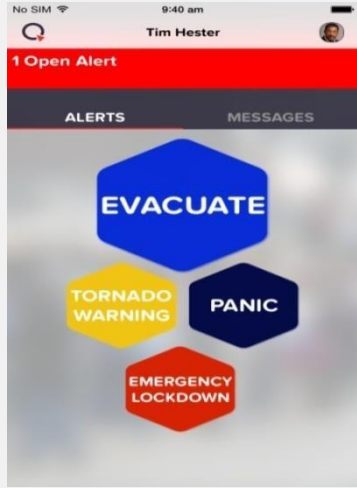
GADGEON'S ROLE

- iOS & Android application
 - Design and implementation - Multiprotocol , Asynchronous two-way communication for School Emergency system.
 - Real-time voice chat and message chat implementation.
 - Live video and Image integration with Chat service.
 - Google Map & Live image processing for accurate location details.
 - Dynamic UI based on alert profile.

CUSTOMER BENEFITS:

- First classroom audio system to incorporate two-way messaging, staff-locating, and visual alert notifications for emergencies.

School Emergency System





GADGEON SYSTEMS INC

881 Yosemite Way, Milpitas, CA 95035, USA

CONTACT - USA

Wes Schropp – VP Sales : +1-408-621-2570

CONTACTS - INDIA

Hari Nair : +91 9895 01 58 80 | Sreenandh : +91 9747 08 66 88

GADGEON SMART SYSTEMS PVT LTD

VI 405/E1, Fathima Tower, Malepally Road, Thrikkakara PO, Kochi, Kerala, INDIA, Pin: 682 021



sales@gadgeon.com