Family Tracking & Safety
SaaS Application

CLIENT REQUIREMENTS

- Real-time SOS alerts/ tracking between users and first responders
- Send/track evidence videos/ photos to response teams
- Provide multi-party calling and tracking
- Hierarchy based access to the SOS system available to multiple departments

HOW WE DID IT

- Partnered with client to create product specifications
- Used open source components for multiple interface integration
- Created gateway for data sharing and broadcast ability
- Used agile business model to meet sprint requirements

WE SOLVE PROBLEMS

Atlanta , GA

Orlando, FL

Dallas, TX

Richmond, VA

Nagpur, INDIA

Pune, INDIA

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Client Need

An application for loved ones to instantly share location and well-being knowledge, especially in times of crisis. Provide multi-way communication of critical information between first responders and government agencies in emergency situations.

Product Challenge

To create a cloud-based solution that tracks location, communicates between individuals/government agencies and integrates a smart tool to gather intelligence from multiple government agencies, including first responders. Provides live video and photos.

Development Solution

delaPlex created multiple interfaces for the mobile application, including the ability to track users, communicate via chat/one-to-one or group calling, provide SOS options for various types of emergencies and ability to share data between various government response and enforcement teams.

Multiple data sources were also integrated, including local alarm, photos & video recording, and car location.

delaPlex software

TECHNOLOGY TOOLBOX

WebRTC — Real Time Communications

Real-Time Protocol to transfer audio and video over peer-to-peer connections between back-end servers, browsers, and mobile applications via simple APIs.

Technologies: XCode-8.2, Swift 3.0, WebRTC Framework, libjingle_peerconnection, SocketRocket, IDE-Android Studio, Android SDK

G-Force Accelerometer and Location Tracker

Tracks users and measures acceleration relative to freefall felt by people and objects. Used for mobile devices or PDA which is equipped with GPS receptor and GSM network. Allows User A to track the mobile device of the User B and provides updates of User B location on Google Map.

Technologies: IDE-Android Studio, Android SDK, Play services SDK, Google Maps API's, XCode-8.2, Swift 3.0, CoreLocation, GoogleMaps Framework, Web API using C#, Net 3.5, FTP Server, SQL Server 2008 R2 Pubnub, Twilio, Good-hire, Payeeze, Google API

Core Stack

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"A major hurdle was accessing multiple first responders departments and delaPlex found the solution that made it work."

DAVID GRAY | CEO
Gray's Communications

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