

RAPIER TECHNOLOGY GROUP

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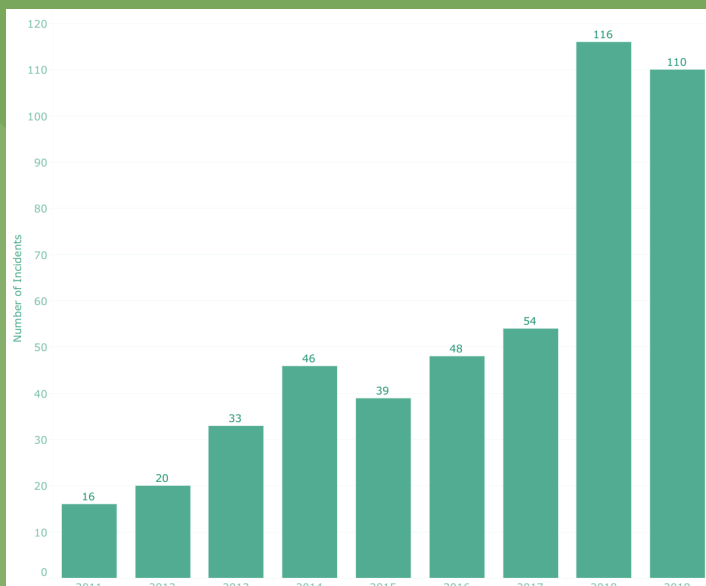
TACKLING TRAFFICKING,
SECURING SCHOOLS AND
PROTECTING PEOPLE

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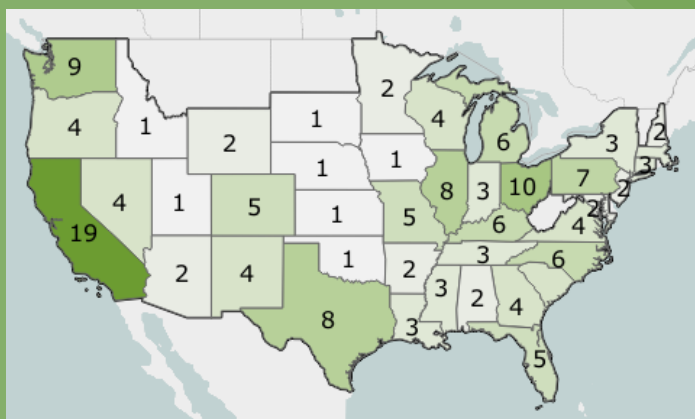
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One in three trafficked individuals is a child.



Since 2010, the number of annual school shootings has increased 687.5%.



THE PROBLEMS

Human trafficking is defined as a form of modern-day slavery and the force, fraud, or coercion of a human being for the personal profit and gain of another. It is now the **second-fastest growing crime globally** and is a \$150 billion business, factoring in sex and labor trafficking alone.

School safety has become a growing concern in recent years, as the prevalence of bullying, violence and shootings has skyrocketed. In the past decade, there has been an **increase from 16 school shootings (2011) to 110 in 2019**.

Paralleling this trend, **active shooters** in school settings have become more common and more deadly. Despite the best efforts and training in defense against armed assailants, the **United States education system is still struggling** to understand and control the issue.

In addition to these glaring issues, the problem of **personal safety** is also present. In the event of emergencies (medical, criminal, weather, etc.), there are **limited options available to communicate** with loved ones and to receive assistance. Given the capabilities of modern day smartphones, this lack of functionality is completely solvable.



THE CONCEPT


Seamless, discreet and integrated tracking and reporting of users in distress.
Instant connection and communication to people who can help.

I D E A S

Instant
Detection
Emergency
Alert
Service

Presented here is the a smartphone application that acts as an **instant detection, emergency alert service (IDEAS)** in the event of kidnapping/abduction or any other threat to personal safety. This application utilizes a smartphone's LTE cellular connectivity, Bluetooth, speaker, microphone, accelerometers and GPS to offer a **full-featured suite of tools** to assist in any emergency situation (i.e. medical emergencies, violent crime, fire, human trafficking, active shooter scenarios and other traumatic events) at **the moment it occurs**.

Emergency contacts with the application installed can work synergistically, regularly pinging the other devices in a one-way communication with their location and any panic signals. Connected smartphones can also send alerts to others' devices and communicate with a cloud server to track panic signals. Emergency services call centers (PSAPs) can also be contacted with intuitive and customizable text-to-speech conference calling, enduring direct contact with users while automatically transmitting crucial, context-specific information.



By incorporating cutting-edge features and functionalities, Rapier Technology Group securely and instantaneously relays crucial information to emergency contacts in the event of abduction, or any other personal danger.



THE COMPETITION

bSafe

Cost: \$7.99/Month

GPS, Audio and Video streaming

Audio/Video available for only 5 minutes



Pros

SOS signal can also be activated using a key phrase (voice alarm activation)

App features an option to receive a "Fake Phone Call" as an excuse to leave an unpleasant situation

Cons

All users must pay for the Premium version for SOS signal to be received

Limit of 5 predefined contacts

Cannot connect directly to emergency services

React Mobile

Sends a widespread emergency alert to both predefined contacts and emergency services

No Video or Audio streaming



Pros

Predefined contacts receive GPS location of panicked party via email and text

Cons

App must be paired with a hardware device called the React Sidekick

Max range is 100 feet

Continued use of GPS and Bluetooth dramatically decreases phone battery

Red Panic Button

Cost: \$4.99

Works only on iPhone



Pros

Sends a panic SMS to an unlimited amount of contacts with GPS location of the panicked individual.

Cons

All users must pay for the Premium version for SOS signal to be received

Requires five separate steps to navigate in order to send a panic alert

Not user-friendly

Continued use of GPS and Bluetooth dramatically decreases phone battery



THE COMPETITION

Circle of 6

Cost: Free



Pros

Sends your predefined contacts a pre-programmed SMS alert message with the user's exact location

Also connects user to 24-hour safety hotlines

User-friendly and discreet

Cons

Only 6 contacts can be added

SMS alert messages not customizable

GPS isn't continuous

No other features such as Audio or Video

Life360

Cost: \$7.99/Month



Pros

Receive automatic notifications for predefined waypoints

View members live on a private map

Geofencing notifications for arrival/departure

Can detect a car crash with the Crash Detection Service

Cons

No Panic Button

No alert service to indicate that a member is in an emergency situation

Lack of privacy

Continuous stream of GPS dramatically drains the battery

CovertAlert

Cost: \$2.99 per 15 minutes; \$2.99 per 50 text messages



Pros

Voice Activated Safety app

Real-time GPS and Audio

Records up to 15 minutes in an emergency situation

Text alerts sent to predefined contacts

Cons

Information is stored in the cloud

User has to purchase minutes and text messages in order to continue the use of the app and its services

OUR KEY FEATURES

01

Simple Panic Trigger

There are many ways that a panic alert can be triggered, for instance, we can setup a lock screen button that can be tapped multiple times. Additionally, a geofence can be setup that triggers the panic alert when it is crossed. Voice activation using a trigger phrase is yet another option.

02

Your Data Stays with You

All data collected by the app is only ever kept on the user's phone and shared with trusted contacts that are defined in the settings of the app and with the authorities.

03

Real-Time Actionable Intelligence

User Provided: We will prompt the user to fill out a medical ID that includes their name, contact info, and a recent photo which will identify the person in the case of rescue.

Behavior Provided: By collecting user data, such as app usage, contact communications, GPS locations, etc., we can provide a map of connections for the person leading up to the panic incident to assist investigatory efforts. All with no time limits, unlimited contacts and minimal battery impact.

OUR CURRENT ROADMAP

Our immediate plan is to complete development and testing of a software which creates an automatic, secured emergency communication channel containing key user data, such as current location and audio feed, with a simple and user-friendly interface.

All core functionality of the application concept has been implemented and is in the process of beta testing. Development is ongoing, with the beta version of the application becoming available in May 2021.

iOS implementation is underway and slated for completion in the next week, and an Android release is ready to be launched pending the completion of our internal testing activities. Both iOS and Android versions will be ready for a limited commercial launch in June 2021.

FEATURES

Easy Panic
Trigger

Own Your
Data

Actionable
Intelligence

Mesh
Collection

MEMBERS

JAMES PIERCE III, MS
Chief Design Officer

MONTE BROWN
CEO

MARKETS



GLOSSARY OF TERMS

Human Trafficking - Trafficking in persons shall mean the recruitment, transportation, transfer, harboring or receipt of persons, by means of the threat or force or other forms of coercion, of abduction, of fraud, of deception, of the abuse of power, or of a position of vulnerability or of the giving or receiving of payments or benefits to achieve the consent of a person having control over another person, for the purpose of exploitation.

Exploitation - The prostitution of others or other forms of sexual exploitation, forced labor or services, slavery or practices similar to slavery, servitude or the removal of organs.

Active Shooter - An individual actively engaged in killing or attempting to kill people in a populated area.



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CONTACT

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