



ENTRYSHIELD

Protecting What Matters Most

WHITE PAPER

MAY 2023

Delivering Solutions For School Security & Response

Student safety and school security continue to be a top priority for the majority of schools as the nation continues to face horrific mass shootings while many people feel that not enough is being done to prevent them. There are 98,469 public schools and 30,492 private schools throughout the United States, as of the 2019-20 census.¹ The percentage of schools that have encountered a violent critical incident is extremely small, yet, the entire nation has placed security at the top of the priority list for educational institutions. Considering the fact that it is impossible to profile a school shooter before an incident occurs, the only option is to harden, plan, and be prepared.

INTRODUCTION

According to a 2020-21 census, the percentage of parents that have decided to home-school their children has increased from 5.4% to 11.1% from the '19-20 school year to the '20-21 school year.² This may be partly attributed to the COVID-19 pandemic and partly due to the widespread fear that their children may be susceptible to critical mass-casualty incidents while attending school.

Preventing school shootings from occurring is one of the most difficult and delicate challenges that we currently face.

There is a mass agreement that mental health is the ranking factor in these atrocities that continue to take place across our nation. For the last 20 years, much more so in the last 5-10 years, school boards, administrators, federal and state legislatures, parents,

1 Fast Facts. National Center for Education Statistics (NCES). <https://nces.ed.gov/FastFacts/display.asp?id=84>

2 Census Bureau's Household Pulse Survey Shows Significant Increase in Homeschooling Rates in Fall 2020. US Census.

<https://www.census.gov/library/stories/2021/03/homeschooling-on-the-rise-during-covid-19-pandemic.html>

and experts have all been focused on solving this critical and difficult problem

The outcome thus far is enhanced legislation on school security and formal pathways for potential at-risk students. However, as many have stated and testified, this problem requires a multifaceted solution.

Many school administrators and their boards have taken the initiative to do whatever they can to protect their students and staff, others do not see the necessity to spend their limited funds on implementing enhanced security measures, that is until specifically directed and funded to do so by state or federal legislation. The majority of those districts taking action are adapting the multifaceted approach to their school safety and security operations and planning.

The right multifaceted approach requires an entire community to be involved; which includes students, teachers, parents, administrators, law enforcement, first responders, mental health professionals, and any individual that has interaction with students. The community has to fill in the gaps that the implemented enhancements, such as school hardening, security technologies, mental health treatment, at-risk student tracking, student emergency information sharing, proper training, and emergency operations planning and response, simply cannot cover

CONTINUED EFFORTS

As state and federal legislation continues to define the rules and regulations for security implementations and the funding to go with it, school districts are assessing their needs and determining which measures will provide the best protections. Technology companies and equipment manufacturers all over the world are developing products to combat the harsh reality of these horrific events. Many products have been introduced that offer schools the ability to compete with the difficult challenge of eliminating (at best) or reducing the tragedy (at worst), of mass shootings in institutions of education



Entry Shield Security has entered this market with a security technology product that offers a high chance at both, eliminating and reducing tragic outcomes. However, Entry Shield Security technologies only fulfill one of the several solutions required for the complete multifaceted approach. Although it sits high on the list of priorities

ENTRY SHIELD SECURITY

The security technologies offered by Entry Shield focus on the instant notifications of threshold breaches. There are currently two products that are offered: **Screen & Flow Weapons Detection System** and **Secondary Access Point Alerting System**. Both technologies deliver the same instant notifications to the end users (the administration and response force) while offering a different process of intrusion detection. The performance objective of these technologies is 1.) DETERRENCE, 2.) DETECTION, 3.) NOTIFICATION, and 4.) COMMUNICATION.

The ultimate goal for all parties is **DETERRENCE**. If potential illicit actors are deterred from pursuing further action due to a "risk vs. reward" evaluation (i.e., "I'll be detected before I can carry out my plans." Or, "My actions won't have the same impact I desire due to the protocols and response force I am up against."), it is a win for everyone as no further action is required and the tragic impact is near zero.

If deterrence isn't enough, the next best outcome is **DETECTION**; that is, more specifically, detection as early as possible. The more time a response force has to react and intercept and disrupt a threat, the less tragic the outcome is in that given situation; although variables exist to modify the level of tragedy in every situation. Inversely, the less time a response force has to react and intercept and disrupt a threat, the more tragic outcome in that given situation. Therefore, the next best outcome is immediate detection. This can be seen in case studies of past strategies. Following immediate detection, the next most desirable outcome would be **NOTIFICATION** of the threat to the entire response force. It does little good when those responding are not sure what the essential details of a threat are (the 5 W's: Who, What, When, Where, Why). When the response force knows *who* they are looking for, *what* level of threat they are going up against, *when* the threat was detected, *where* they are located (or close proximity to), and possibly, *why* the threat is carrying out their illicit actions, the more likely the outcome of a timely threat disruption.

Effective **COMMUNICATION** throughout a critical incident response is crucial. Examining case studies of previous mass casualty incidents reveals a correlation between ineffective communications and higher degrees of tragedy. Therefore, every response force should have an effective communication system established, both internally and externally.

TRUE DETERRENCE

When students, teachers, and visitors discover that your organization has taken the steps to truly enhance security at your institution, the news will spread quickly and the majority will appreciate the concern and effort to *protect what matters most*. Placing Entry Shield weapons detection systems at your primary entrances is a great deterrent for those thinking about carrying out acts of violence at your institution because it is no longer an easy target. This does not eliminate the potential for a threat, but it definitely will reduce the chances of a threat's success, as the risk of being caught before the illicit actions can play out outweighs the reward of the planned tragedy.

SCREEN & FLOW DETECTION

Entry Shield has integrated its technology with the world leading weapons detection systems manufacturer to offer a comprehensive and patented security product that delivers results. CEIA weapons detection systems offer an unparalleled degree of detection by providing "higher performance as it detects both ferrous and non-ferrous mass casualty weapons with near-zero nuisance alarm rate, discriminating cell phones, tablet, laptop PC and other large metallic personal belongings."³

Gone are the days of waiting in lines to be screened as the Screen & Flow technology delivers an "Extremely High-Throughput Walk-Through" screening process for its users.⁴ Thousands of people can be screened an hour, which means that your organization's normal in-flow procedures *will not change*. People enter as they have always done, without the feeling that they are being screened.

When an individual passes through the detection system with a prohibited item, an image is captured of the individual and is immediately sent to the smart devices of those with approved access, via the Entry Shield software application.

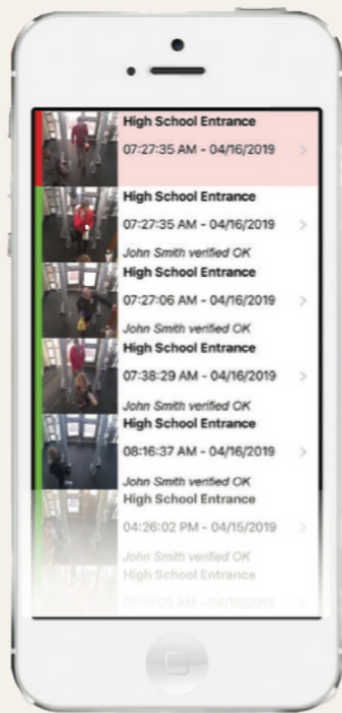
This process ensures that the instant a potential threat (an individual carrying an item that's shape, size, and density resembles a weapon capable of mass casualties) is detected, the organization's response force is immediately notified of the unauthorized breach and the response force can intervene without anyone knowing, including the potential illicit actor, knowing they have initiated the alert. Entry Shield's technology has delivered a product that notifies the entire response force with the incident essential details, that is *who who, what, when, and where*; unfortunately, the technology cannot provide why yet.

INSTANT NOTIFICATIONS

3 02PN20-LFA. Segman. <https://segman.com/brochures/ceia/02PN20-LFA.pdf> 4 02PN20-

4. LFA. Segman. <https://segman.com/brochures/ceia/02PN20-LFA.pdf>

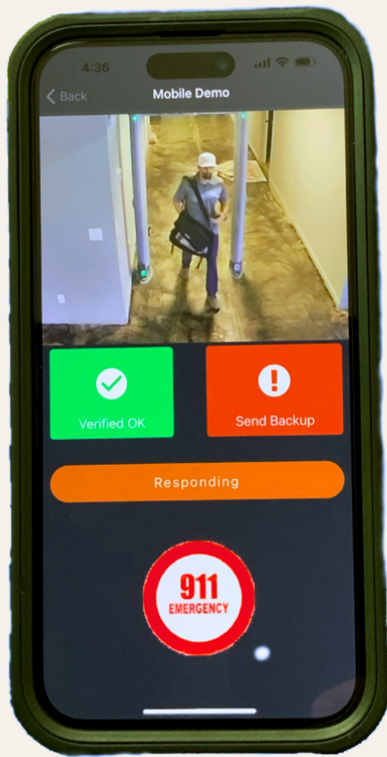
Entry Shield's patented technology provides the fastest notifications to a remote smart device that functions as other application notifications, such as social media, banking, weather, and others that issue a banner alert directing immediate attention to the alert. Each notification includes 1.) a picture of the individual in question, 2.) the location at which detection has occurred, 3.) the time stamp of when detection has occurred, 4.) internal response options ("Verify OK", "Send Backup", and "Responding") and an external response option (Call 911"), which directly dials "911" from the smart device as though the operator dialed "911" themselves; providing the quickest and most direct opportunity to notify emergency services of a threat.



DIRECT
COMMUNICATIONS

The entry Shield application provides those with approved access the ability to communicate essential information with other approved users. With traditional technologies, alerts are sent to a base station (central location device) whereby monitoring personnel must first, be actively engaged in monitoring the equipment, its led panels, or its feed to be made aware of such incidents; second, the monitoring personal must take note of the critical information pertaining to the incident, which is to be communicated to appropriate channels; third, the monitoring personnel must access necessary communication devices (radios, alert broadcasting system, intercom system, smart devices, etc.) and deliver the critical information through proper channels. Through case studies and/or reproduced simulations for testing, these results show the potential for ineffective, ineffective, timely, and sometimes counterproductive critical incident response; to this point, planning preparation, and continuous training always increases the probability of desired outcomes. Entry Shield has streamlined this process. by designing an inclusive communications tool on each notification page.

"Every school security layer should enhance the organization's ability to 1.) Deter an incident from happening, 2.) Detect the unauthorized intrusion immediately, 3.) Notify ALL personnel with the need-to-know instantly, and 4.) Communicate essential information efficiently and effectively.



Most education buildings have many doors that are located in remote parts of the campus, away from high-visibility locations such as the front offices. Entry Shield's SAPAS technology eliminates these potential avenues for illicit actors to gain access and carry out their acts.

With SAPAS technology installed, anytime the door is opened an instant notification is sent to the smart device of persons with approved access, thereby alerting staff to the breach at that specific threshold. The notifications deliver the same information and offer the same advantages as the High-Flow Weapons Detection notifications; streamlining notification and communication of a potential threat to appropriate personnel in the critical incident response channels, or directly to "911", if the situation dictates.

SECONDARY ACCESS POINT ALERTING SYSTEM (SAPAS)

Entry Shield's SAPAS technology delivers the same instant notification but for the secondary access points (non-main trafficked doors) throughout your organization.

According to *The Violence Project*, **88%** of school shooters are "insiders"—those having an affiliation with the school where their acts were carried out. This identifies an important and crucial consideration for those responsible for school safety: these illicit actors know the school layout, operations, response force tactics, techniques & procedures (TTPs), schedules, and ability to assess and plan for the most advantageous pathways for the most impactful target of opportunity.





ENTRYSHIELD

Protecting What Matters Most

Contact

INFO@ENTRYSHIELD.COM

ENTRYSHIELD.COM

(855)-467-4911