

Proactively protecting our youth

Smart School Safety Solution

Smart School Safety provides a proven solution for proactive protection:

- A proven solution in place at 2000+ schools
- Weapons Detection & Door Monitoring
- Proactive artificial intelligence
- Cutting-edge predictive analytics
- Turn-key solutions to meet specific goals, wherever you are with school safety initiatives
- Proven public safety Smart Platform used throughout the world
- Provided by a Top 10 IT Services company

Students face many challenges, both inside and outside classrooms. Bullying, self-harm, suicide, violent acts and mass school shootings have become an unfortunate reality in our schools, universities and communities. School violence has increased nationwide by over 139% in the past three years.¹ Often, there are warning signs of potential threats that go unnoticed until it's too late.

The heartbreaking headlines of school shootings are all too common across the United States. There's been significant legislative activity on the state, federal and local levels, yet many communities fearfully await the next tragedy. Numerous schools have taken definitive steps to improve safety, but there's still a lot of work to be done. NTT DATA is a company made up

of parents, concerned citizens and students; we're committed to innovation that makes a difference.

As a global information and communications technology company, our business is to use technology to help solve real-world problems. Nothing is more important than the safety and protection of our youth. While there is no one-size-fits-all solution to the myriad challenges associated with school safety, technology may be part of the answer to better protect our students.

Technology to safeguard students

NTT DATA's Smart School Safety Solution delivers a proactive, early-warning response to increase school safety. Our flexible solution is designed to meet you where you are on your journey to student safety. Using NTT DATA's proven public safety platform known as Smart, we leverage Artificial Intelligence and IoT edge analytics to create a safe education environment.

High-definition video cameras, sound and motion sensors and an array of IoT devices are integrated and deployed to monitor a school or campus, creating a technology-enabled, multi-channel safe zone for students. The solution, in turn, provides situational awareness, warnings and alerts of developing incidents to school security or first response teams. Our Smart School Safety Solution proactively provides

early notification of potential and active school safety incidents.

AI identifies and reacts to potential threats

Both inside and outside the school, a network of connected IoT devices join forces to protect students. Outdoor cameras provide a complete view of the external school environment. Cameras with analytics can detect weapons, identify suspicious activity, read license plates of unidentified vehicles and send automated responses to school security or first responders if warranted. Sensors further enhance protection by sending a campus-wide alert or automated response if a threat is determined. To prevent unwarranted entry into a school building, sensors monitor exterior doors during school hours and send an automated system response should someone enter or exit the building at an unexpected time of day.

Our Smart School Safety Solution includes additional protection mechanisms inside the school. Access is limited with door locks, visitor management and extensive staff and student badge requirements. Indoor cameras and other IoT devices reinforce stringent monitoring and detect anomalies inside the building. Panic buttons empower personnel and students to swiftly identify when help is needed. Panic buttons can be stationary, a mobile app or in the form of an ID badge worn by users.



Digital technologies are at the core of everything we do — and we recognize the need to make schools safer. Our proven public safety solution that’s been effectively deployed in the City of Las Vegas is now being used to proactively protect students.

Our Smart School Safety Solution suite includes optional social media monitoring and anonymous reporting to provide proactive threat intelligence to aid in the protection of our children and schools. Our solution functions as an early warning, helping educators detect concerning social media conversations which will help facilitate actionable prevention.

Social media doesn’t sleep

To support schools in keeping students safe while they focus on the primary purpose of education, our solution offers aggregated social media data in real time — 24 hours a day, 365 days a year. It’s configured with keyword phrases, geographic location information and subject-based

intelligence to keep students safe around the clock. We track all the popular publicly available social media channels, forums, blogs and message boards, and collaborate with schools to identify threat keywords and build profiles to aggregate threat mentions posted online. The raw data is then further analyzed and categorized into threat-level tiers, as defined by each school. The platform sends alerts in real time and/or as scheduled by school officials. Location-based intelligence monitors conversations within a 20-mile radius — or more, if needed. Using individual dashboard components, users can access, search, analyze and chart location-specific data.

We can support up to 95 million premium sources — such as X (Twitter), which counts as one site — every day, ingesting more than 2 billion posts per month into our 10-year (and counting) data archive of billions of posts. These sources include social networks, microblogging platforms, blogs, image sites, video sites, forums, news sites, review sites and more.

In a one-year period, NTT DATA helped Florida schools proactively identify threats using our Smart Safety social media monitoring. Our social media solution provided:

89 alerts escalated to schools	817 rules classifying and categorizing collected data powered by 2,373 queries	2,373 alerts set up in the system (one for each school) to warn of potential threats	237,300+ posts manually analyzed for threats (600+ posts per day)	5 data categories classified as threats
43 school districts onboarded, covering 2,373 schools			16 hours manual monitoring per day, Monday-Friday	2B+ posts scanned per month

Mental Health Monitoring

Using NTT DATA's vast network of partners, we have included mental health monitoring in our Smart School Safety Solution. Through tools such as anonymous reporting of self harm or bullying, educators and school social workers can intervene.



¹ [Violent Threats and Incidents in Schools — The Educator's School Safety Network \(eschoolsafety.org\)](https://www.eschoolsafety.org)

NTT DATA is rolling out components of the Smart School Safety Solution to one of the largest school systems in the country. We are installing a system of panic buttons throughout 1,380 schools. Enacting the panic button will automatically lock school doors to protect the school system's 1.1 million students in the event of a threat. The panic buttons empower educators by providing a layer of protection to students and teachers.

Visit us.nttdata.com to learn more.

NTT DATA is a \$30 billion trusted global innovator of IT and business services. We help clients transform through business and technology consulting, industry and digital solutions, applications development and management, managed edge-to-cloud infrastructure services, BPO, systems integration and global data centers. We are committed to our clients' long-term success and combine global reach with local client service in over 80 countries.

