Schools like Gibson Southern H.S. keep students & staff safe by being prepared to initiate reaction quickly & effectively.

3xLOGIC

THE CUSTOMER

Located in Fortbranch, Indiana, Gibson Southern High School serves just over 700 students in grades nine through twelve with a student-to-teacher ratio of approximately 20 to 1. The school received the Indiana Four Star School Award for academic excellence among both students and the administration for seven consecutive years.

THE CHALLENGE

Like all schools across the country, Gibson Southern is charged with keeping its students and staff safe and secure during the school day. Unfortunately, active shooter situations have become all too common, and given the potential for these events to escalate quickly before police can arrive, it's important for schools and other organizations to be prepared to initiate reaction quickly and effectively.

"Despite all the noise in the cafeteria and hallways, we haven't had a false activation. Thankfully, we haven't needed gunshot detection but it's good to know that it's there just in case."

—Dan Lienemann, Gibson County Sheriff's Department

THE SOLUTION

Based on conversations with its security solutions provider, Sonitrol of Evansville, the school installed four 3xLOGIC Gunshot Detection solutions at various locations within the building prior to the 2020-2021 school year.

"We did not even know about the availability of these devices, so when they approached us about them, we said, 'Yeah, let's do it," says Lienemann, who serves as School Resource Officer at Gibson Southern. "We met here with representatives from Sonitrol and 3xLOGIC and decided to install one unit in the front entryway where you come into the building, one in the cafeteria, and one up in the academic hall."

Rather than utilizing microphones, infrared sensors, or complex analytics, the self-contained device relies on affordably simple concussive force recognition sensors to detect gunshots. When a gun is fired, the bullet creates a shockwave as it exits the barrel of the gun and travels through the air. This shockwave creates a unique concussive force that the 3xLOGIC solution is able to detect, reducing the potential for false activations from loud noises. The Gunshot Detection solution also features a reliable dry contact that allows it to be easily integrated into existing security solutions, such as video surveillance, access control, alarm panels, and others.

THE SOLUTION (continued)

If a gunshot is detected at Gibson Southern, the solution will activate video as well as the Sonitrol audio detection system as well as video to determine whether it is a valid detection. At the same time, access control integration can enable automatic lockdown to make it more difficult for a shooter to move around, and intrusion alarms can automatically generate an alert, enabling fast response.

"In an active shooter situation, the earlier a response can be initiated, the better. Those integrations allow us to provide the best possible information to any responding officers in an active shooter situation while also improving the safety of those inside the building," says Chris Dingman, Operations Manager for Sonitrol of Evansville.

With a detection radius of 75 feet and 360-degree coverage, offering 15,000 cubic feet of coverage per device, the solution minimizes the number of Gunshot Detection sensors required, allowing for affordable coverage with no need for software, servers, or relay control board.

THE BENEFITS

- Concussive force detection reduces false positive alarm activations from loud noises, such as lockers or doors slamming, which are common in a high school.

- Easy integration with video, access control, and other systems enables fast response and provides first responders with detailed, up-to-date information, while also limiting a potential shooter's ability to move around within the building.

- Gunshot Detection's range and coverage minimize the number of sensors required with no need for software, servers, or a relay board, making it an affordable solution for schools.

ABOUT US

3xLOGIC Inc. has been a leading innovator in server and cloud-based security technology for 15+ years. The company is recognized for providing easy-to-use surveillance and business intelligence solutions that seamlessly integrate video, access control, and disparate data such as ATM, Point-of-Sale, analytics, and more.

3xLOGIC's video surveillance solutions are engineered for ease of installation, scalability and affordability combined with a managed services portfolio that enables integrators to effectively evolve from dealers to high-value strategic partners. Follow 3xLOGIC on Facebook, Linked-in, or our Twitter account, and read our latest news at www.3xlogic.com

11899 Exit 5 Parkway, Suite 100, Fishers IN 46037