



Shooter Detection Systems Unveils New Guardian Wireless Gunshot Detection System

SDS introduces a groundbreaking advancement in the form of a battery powered wireless dual mode gunshot detection sensor to the Guardian Indoor Active Shooter Detection System product line

Rowley, Massachusetts – September 9, 2019 - Shooter Detection Systems (SDS) is pleased to announce a new addition to the Guardian Indoor Active Shooter Detection System product line in the form of a Patent Pending wireless/battery-powered gunshot detection sensor, meeting market demand for a secure and reliable dual mode wireless option that alerts building occupants and law enforcement to active shooter incidents.



1 The Guardian Wireless gunshot detection sensor is the next generation in secure, reliable wireless/battery-powered gunshot detection.

Guardian Wireless sensors mirror the acoustic and infrared gunshot detection features of the company's flagship Guardian Indoor Active Shooter Detection Power over Ethernet (PoE) sensors, with the addition of a lithium battery pack that negates the need for any wiring to operate the sensors. Guardian Wireless utilizes a highly secure long-range wireless technology that maintains a regular system "heartbeat", ensuring optimum system uptime as the sensors scan the environment for gunshots while filtering out false alerts.

"We listened to the market and they've been asking for a reliable, zero-calibration system that meets the high-performance standards of the Guardian System," said Christian Connors, SDS Chief Executive Officer. "We began in 2018 by refining the core Guardian technology, redesigning hardware to incorporate battery power, then sourced a wireless technology well known for its reliability and

security with IoT devices. Guardian Wireless will lower the overall customer cost by as much as 40-60 percent due to the reduction in infrastructure costs. Most importantly, customers can now choose a wireless system and be assured that they are using proven, reliable gunshot detection technology from a company they trust."

Since its introduction to the commercial market in 2014, the Guardian PoE gunshot detection sensor has been in use by hundreds of customers in [Fortune 500 companies](#), sports stadiums, Federal Government agencies, Department of Defense bases, and other public and private institutions. Many U.S. K-12 schools, such as [Phoenix Academy](#) in North Carolina and [Hooksett Schools](#) in New Hampshire, are using the Guardian System, however school funding continues to be a major hurdle for schools looking to secure their facilities against active shooter attacks. With the wireless system SDS anticipates that their lifesaving capability will now be in financial reach of a greater number of schools struggling with limited budgets. Major corporations who tend to favor wired over wireless technology will now have a choice as to which version they and their IT departments are comfortable deploying. Additionally, larger scale installations will benefit from the reduction in installation costs and allow for more widespread deployment in larger structures.

The SDS engineering team has developed many firsts in gunshot detection, from the first gunshot detection systems used in wartime to human-worn and helicopter gunshot detection systems to Guardian, the first indoor system available to the commercial market. "This new development builds

on our legacy of excellence in product engineering,” said Ronald Fowler, SDS Chief Technical Officer. “Guardian Wireless marks the first long-life battery, dual mode infrared and acoustic gunshot detection sensor with a consistent heartbeat to confirm the sensor’s operational status. This is a critical component in an IoT life safety device that until now hasn’t been successfully realized in a wireless system.”

The Guardian backend software and integrations were purposefully left unchanged in order to incorporate a combination of PoE and wireless sensors in the same deployment. Existing integrations including Genetec, Everbridge, Avigilon, and other SDS partner technologies will continue to work uninterrupted with the addition of Guardian Wireless sensors. The new sensors are also compatible with the company’s Patent-Pending handheld tester, used in installations and in annual onsite testing performed as an additional layer of compliance.



2 Guardian is now available in PoE and Wireless gunshot sensors.

“We know that active shooters can strike anywhere at any time,” said Connors. “This very real threat makes our mission crystal clear: SDS is committed to improving the global security infrastructure by developing gunshot detection solutions that far exceed industry standards for quality, life safety and performance with solutions that will reduce response time, provide greater clarity in communications, and save lives in active shooter incidents.”

The wireless system is in the final phase of rigorous internal and third-party testing and will follow with government testing. The company expects the certification phase to be complete by the end of 2019 and that Guardian Wireless will be released for commercial availability in the first quarter of 2020.

About Shooter Detection Systems

With over fifteen years of experience in the development and delivery of gunshot detection systems to military and commercial customers, [Shooter Detection Systems](#) (SDS) is recognized as the security industry’s leading provider of gunshot detection solutions for schools, businesses, airports, critical infrastructure sites, U.S. Department of Defense bases, Federal Government Agencies and entertainment and manufacturing spaces, including over twenty-percent of Fortune 100 corporations who trust their indoor and outdoor solutions to accurately detect and rapidly report gunshots in their environments with zero false alerts. Developed in conjunction with the U.S. Defense Advanced Research Projects Agency (DARPA) and Raytheon/BBN, SDS’ Guardian gunshot detection system is [SAFETY Act Certified](#) by the U.S. Department of Homeland Security, Approved for U.K. Government Use by the Centre for the Protection of Critical Infrastructure ([CPNI](#)), and SL4 Certified by the Australian Government’s Security Construction & Equipment Committee ([SCEC](#)), certifications exclusively held by their leading product, the Guardian Indoor Active Shooter Detection System. For more information, visit [ShooterDetectionSystems.com](#), call 1-844-SHOT911, and follow on Twitter [@shooterdetect](#).