From: Catherine McNicoll <CatherineMcNicoll@scstatehouse.gov>
To: Danny Varat <DannyVarat@scstatehouse.gov>
Date: 12/12/2017 8:38:06 AM
Subject: FW: DOD Developed: Indoor Gunshot Detection to Address Active Shooter Violence

Please Advise

Best Regards,
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From: Logan Pepchinski [mailto:lpepchinski@protectiveinnovations.com]
Sent: Sunday, December 10, 2017 4:33 PM
To: Lt. Governor's Office
Cc: Chris Perrine
Subject: DOD Developed: Indoor Gunshot Detection to Address Active Shooter Violence

Dear Lieutenant Governor Kevin Bryant,

I am reaching out in hopes of scheduling time with you to discuss opportunities to provide the State of South Carolina with a cost-effective indoor gunshot detection system to combat the epidemic of active shooter violence—an issue that is increasingly becoming a threat to the public at large. I have recently moved to the Charleston area where the rest of my family resides and it is important that we have the right protections in place.

Protective Innovations, LLC was founded to create technology to combat the epidemic of active shooter violence. Our leading product, Active Shooter Protection System (ASPS), is a plug-and-play add-on to existing fire protection systems which uses advanced digital signal processing and artificial intelligence techniques to detect and identify indoor gunshots. When gunshots are detected, the ASPS sounds an alarm so building occupants can take action to protect themselves while simultaneously alerting law enforcement to the exact location of the emergency (down to the specific room of the most recent gunshot), facilitating an immediate and effective response, and ultimately saving lives. ASPS was developed, tested and patented in cooperation with the United States Air Force Research Laboratory and Department of Defense (DoD). We are currently commercializing the technology for both DoD and commercial use.

The key difference between ASPS and those that are in the market is that ASPS is a plug-and-play with the fire system allowing for efficient integration with the existing fire alarm systems in practically any building. There is no need to install capital intensive networking cable and switches in a building making the ASPS system cost-effective. Additionally, commercial and institutional fire detection systems are connected to local emergency management dispatch centers allowing for immediate response from law enforcement without the need for any additional hardware, software or dedicated connections. Ultimately, this puts gunshot detection capabilities within reach of many customer types regardless of budget constraints.

In addition to our company advisors that includes (among others), Fire Protection Engineers-Fisher Engineering, a former executive at Monitronics and an engineer from the Defense Advanced Research Projects Agency (DARPA), we have recently partnered with MilTech, a DoD funded non-profit chartered to assist in accelerating the commercialization of technology developed in DoD labs. Additionally, we are currently working to identify customers for pilot installs—the benefit here is reduced cost while having the system installed in your building(s).

Please let us know if you, Lieutenant Governor Bryant, would have interests in starting a dialogue. I look forward to hearing from you.

Logan