

XploSafe



STILLWATER

OK

IMPACT

OVER \$3M
IN REVENUE

XPLOSAFE, LLC

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Canines are used in a variety of places to detect explosives, including airports, rail stations, embassies, postal facilities, and the battlefield. However, explosives training, which usually requires actual explosives, is costly and can be dangerous for the animal and personnel involved. XploSafe knew it could develop a solution and, utilizing funding from the DHS SBIR program and OC-AST, produced the XploTrain product suite - a line of non-hazardous, non-detonable, explosive-containing materials as training and testing aids. XploTrain provides a real, effective and extremely safe means for evaluating and training explosives detection canines, and testing explosive vapor sensors.

Soon thereafter, XploSafe developed XploSens, a testing kit comprised of peroxide detection strips that are used for detecting liquid explosives and chemicals used for making improvised explosives. XploSens is also used to protect workers who use organic solvents that become explosives as they age. This product line includes color-changing pellets that indicate that a solvent is safe to use, thus making workers safer, and ending the practice of discarding solvents in a short period of time after their containers were opened.

For the Department of Defense, XploSafe is working on a groundbreaking project that could provide an added layer of protection for military personnel. Since soldiers are exposed to a broad range of potentially toxic and dangerous compounds that could affect their health, XploSafe came up with a personal dosimeter device. This technology measures a person's exposure to chemicals by sampling the air they breathe around them wherever they go. The mobility of the technology is a fitting solution to places where area monitoring is not feasible.

XploSafe has successfully commercialized 13 products across three product lines, including a real-time on-site detection kit for primary improvised explosive compounds.

The XploSens product line is listed as an approved technology and has obtained SAFETY ACT designation of a "Qualified Antiterrorist Technology" (QATT) by the Department of Homeland Security.

XploSafe sells its products through its website and around the world thanks to global distribution channels including Sigma-Aldrich, Grainger and ADS Tactical Inc.

Total DHS SBIR Investment:
\$575K

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