

XPLOSAFE

Duffel bags abandoned in public places have not always been cause for panic. That was before the age of terrorism. The situation begs the question, “How do we protect ourselves from those intent on causing harm?”

XploSafe, a Stillwater-based provider of critical safety solutions for homeland security and chemical safety, provides a big part of that answer. Through their technology, people who work with unstable and hazardous compounds are protected and empowered to protect the rest of us. The small firm accomplished some of its world-class research with a \$200,000, two-year OCAST award made in 2012.

XploSafe has two product lines. XploSens, used for trace detection, works by dramatically changing color in the presence of peroxide and chlorate-based explosives. Customers for this product include bomb squads, first responders, the Transportation Security Administration and military and security personnel. All of those who work in this field should expect to return home each night to their families. XploSens helps make that happen.



Improvised explosives, or “homemade” bombs, often are made with chemicals, and XploSafe helps identify which chemicals may have been used in such devices.

Another XploSafe product, XPell, eliminates peroxide formation in organic solvents which can be explosive. It's the only product on the market that provides a visual indication of whether a solvent is safe or not. Customers include university research labs, analytical labs, pharmaceutical manufacturers, university environmental health and safety departments, chemical suppliers and manufacturers that use organic solvents.

Manager and co-founder Shoaib Shaikh says his firm used OCAST resources to position XploSafe to procure federal funding.

The combination of Oklahoma's investment and that of federal agencies has XploSafe and its team of researchers deeply involved in testing new ideas to make the world a safer place. Nanotechnology companies such as XploSafe showcase Oklahoma in the global marketplace as a place for innovative solutions.

[Go to the XploSafe website](#)