

John Lock
President & CEO
(908) 872-4200
Email: jdlock@alva-labs.com; jdlock82@gmail.com

WEST POINT GRADUATES LAUNCH CAMPAIGN TO COMBAT IMPROVISED EXPLOSIVE DEVICES (IEDs) AND SUICIDE BOMBERS

NEW JERSEY:

A team of West Point graduates recently launched a campaign to build a device that detects and identifies improvised explosive devices (IEDs) from a safe, standoff distance. The device uses newly-patented, cutting-edge terahertz technology, known as SEED (Stimulated Emission Enhanced Detection), to actively search the molecular structure of materials and identify those that contain explosive compositions.

The team, organized under ALVA Labs and led by retired Army Lieutenant Colonel John Lock, seeks to reduce the threat of IEDs and suicide bombers that threaten the United States and its allies.

To date:

- More than 6,780 members of the US Armed Forces have been killed in Afghanistan and Iraq.
- Nearly half of them were killed by IEDs, and many others were left wounded with traumatic and debilitating injuries.
- SEED offers the US military the ability to combat, and possibly even defeat, IEDs.

In order to develop a prototype of the device, the team has taken their campaign to Kickstarter.

In a recent interview, LTC (Ret) Lock explained the mission behind the product: *"Team ALVA's mission is to bring this ground breaking and lifesaving SEED technology to the commercial market to provide society greater security against terrorism."* Lock continued, *"Because SEED can discern between hazardous materials, it will enable a vast range of security capabilities, which include everything from identifying IEDs while on patrol to streamlining security screenings in airports."*

SCIENTIFIC PROOF:

Professor Xi-Cheng Zhang, PhD, a former Chairman of the NATO Sensors & Electronics Technology (SET) THz Technology Exploratory Team, observed SEED's capabilities in a lab environment, confirming, *"I can unequivocally state, that the phenomenology required for success [of SEED] has been observed. In fact, this observation is very similar to the prediction from ALVA Labs!"*

In addition to Dr. Zhang's consultation and mentorship, ALVA Labs cites two retired Army Lieutenant Generals on its board, both of which are former Directors of JIEDDO (the US Department of Defense's Joint IED Defeat Organization).

For further information, please visit [ALVA Lab's Kickstarter page](#)

ALVA Labs, *Creating revolutionary science and technology to help secure our world from terrorism.*

About ALVA Labs: [ALVA Labs](#) was formed by a group of concerned Veterans, motivated and dedicated to developing and delivering its patented and cutting-edge SEED terahertz technology as a solution to combating the threat of terrorist activities in the United States and worldwide.