

- PORTABLE CWA/TIC DETECTOR
- DETECTION OF IEDs & VBIEDs
- CHECK POINT SCREENING
- PERIMETER MONITORING



Today's armed forces face threats ranging from chemical weapons attacks to improvised explosives devices creating a critical need for a reliable, portable, sensitive chemical detector. The 1<sup>st</sup> Detect Miniature Chemical Detector provides the war fighter with a single instrument that is capable of detecting a wide range of known and emerging threats on the battlefield, while minimizing false alarms. Because of its advanced mass spectrometer technology, new threats can be learned as they emerge with no changes to the hardware. The portability, accuracy and speed of 1<sup>st</sup> Detect allows for early, in field detection of potentially lethal chemical agents or explosives saving countless lives of military men and women.

The broadband detection capability of the 1<sup>st</sup> Detect means that explosives, toxic chemicals, and contraband could all be detected simultaneously, providing the military with one tool for many needs, significantly reducing the logistical load on the joint forces. The small size and portability allows threats to be detected in real time and at the site of the incident, eliminating the need for time consuming laboratory analysis in this time critical environment. 1<sup>st</sup> Detect delivers technology that keeps our military personnel safe on critical missions in extremely hostile environments by providing the ability to detect and respond to an attack involving chemical or explosive agents.

### ■ ADVANTAGES:

- MANY THREATS DETECTED BY ONE INSTRUMENT
- SIMILAR USER OPERATIONS AS CURRENTLY FIELDIED INSTRUMENTS
- ADAPTABLE TO NEW THREATS WITH NO HARDWARE UPGRADES REQUIRED
- < 1 PPB / SUB-NANOGRAM SENSITIVITY
- ROBOT MOUNTABLE
- LOW FALSE ALARM RATE
- FAST RESPONSE TIME (< 2 SECONDS)
- CHEMICALS DETECTED: TICs/CWAs/EXPLOSIVES

