

Innovative Survivability Technologies: Detecting Radiation on the Move

THE LLNL TECHNOLOGY

Adaptable Radiation Area Monitoring (ARAM), that combines commercially available hardware with proprietary software developed at LLNL. ARAM's modularity allows for a range of uses, such as in large open areas, for portal monitoring, and along high-speed roadways. ARAM won a 2005 R&D 100 award that LLNL shared with the licensee, Innovative Survivability Technologies (IST).

COMPANY

IST, of Goleta, California, a Department of Defense small business contractor, was purchased (along with the license agreement) by Textron Corporation, an \$11 billion global multi-industry company. Before this purchase, IST did an outstanding job of bringing its ARAM product to market quickly to address serious border control security issues.

PRODUCTS

IST has added their proprietary real-time isotope identification software to LLNL's ARAM to create a system that can detect and identify radiological material in a fast-moving vehicle. ARAM can also be mounted on a vehicle (RadTruck) for portable, moving applications. ARAM detectors have already been installed at many border crossings.

IMPACT

ARAM is optimized to detect radioactive materials moving at highway speeds. The system fills a critical need for border officials charged with inspecting large numbers of vehicles while preventing enormous traffic back-ups. This capability makes ARAM a crucial element in border protection or other applications that may involve a moving target.



“ *ARAM and RadTruck provide unparalleled performance, ease of use, and multi-mission capability to state and federal homeland security agencies* ”

Brian Adlawan,
Program Director,
Detection Systems



TEXTRON

Advanced Solutions Center / IST Operations