SRI International

Solutions for Homeland Security and National Defense

Innovation in Times of Critical Need

SRI's solutions for safeguarding our nation range from instrumented combat training and disaster response for the National Guard to cyber security, threat detection, and persistent surveillance technologies.

SRI has developed solutions to challenging technology and security issues for 65 years. An experienced and reliable government contractor, SRI excels at collaborative partnerships with multiple stakeholders. We are skilled at early-phase, collaborative definition of new systems, and create platform technologies that enable future applications. Projects span the system life cycle, from concept definition through production and support, for end-to-end customer solutions.

Clients include the Department of Homeland Security, the Defense Advanced Research Projects Agency, the Homeland Security Advanced Research Projects Agency, National Institutes of Health, and all branches of the Armed Services.

First Responders

Emergency Response: Interagency training and after-action analysis, situational awareness tools, ad hoc communications systems, and a broad portfolio of sensor technologies for threat detection

Communications: Real-world, interoperable communication networks and situational awareness tools

Target Location: Ground- and foliage-penetrating radars from airborne platforms or field vehicles; unexploded ordnance and mine detection and neutralization; differential GPS laser-ranging sextant to obtain real-time target coordinates

National Guard Training and Support: FlexTrain™, a program that integrates live exercises with computer-based simulators; support for the Army National Guard's eXportable Combat Training Capability (XCTC); Integrated GPS Radio System (IGRS) dismount and vehicle tracking instrumentation

Cyber Security

DHS S&T Cyber Security Research and Development Center – Supported by SRI International: The Cyber Security R&D Center (CSRDC) was established by the U.S. Department of Homeland Security's Science and Technology Directorate in 2004 to develop security technology for protection of the U.S. cyber infrastructure. SRI provides technical, management, and subject matter expert support for the wide range of research, development, testing, evaluation and transition activities conducted through the CSRDC.

Data Collection and Analysis

Signal Technology: National intelligence processing and reporting systems; signal processing and geolocation algorithms; threat assessment tools and strategies

Information Security and Threat Analysis: Multilevel software security programs; systems engineering and integration; network intrusion detection software; collaborative intelligence analysis

Surveillance: Video, still image, and text analysis for intelligence extraction; aerial intelligence; asset identification and tracking; in-building tracking of people and objects

Information Operations: Computer tools, simulations, and networks in support of information warfare and tactical intelligence; simulation suites for intelligence collection systems; offensive and defensive operations programs

Threat Detection, Prevention, and Protection

Port Security: SRI's Center for Maritime and Port Security, a collaborative institution for maritime domain awareness and terrorism preparedness

150-foot tube for explosives testing

Border and Transportation Security: Video text recognition to passively monitor watercraft and aircraft; person and asset identification tracking

Chemical and Biological Detection: Agent detection and protection for a variety of environments; improved diagnostics; preclinical development of anti-infective therapeutics and vaccines

Chemical, Biological, Radiological/ Nuclear Countermeasures: SRI Biosciences is a major contributor to the development of medical countermeasures for chemical, biological, radiological and nuclear (CBRN) threats that may be used against military or civilian populations

Handheld Triage Device for Radiation Exposure: A new way to quickly measure the amounts of radiation absorbed by potentially large numbers of individuals after a radiological or nuclear incident

Bioinformatics: Tools at the intersection of computers and biology for symbolic analysis of biological pathways and genomic databases

Biometric Identification: Iris recognition systems with unprecedented standoff, speed, and ease of use for high-traffic locations

Critical Infrastructure Protection

Blast Protection: Permeable blast barriers to mitigate effects from explosions; infrastructure collapse assessment tool; explosives detection; lightweight ballistic armor for fuselages; explosion-containing luggage containers

Explosives Test Site: One of the nation's largest; available for use on U.S. government, commercial, and foreign government contracts

Explosives Detection: Technologies for the detection of explosives in air, water, and solid samples; methods for the remote detection of IEDs

Hazardous Materials Detection: Neutron sources for standoff detection of hazardous radiological materials

Contact Us

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About SRI International

Silicon Valley-based SRI International, a nonprofit research and development organization, performs sponsored R&D for governments, businesses, and foundations. SRI brings its innovations to the marketplace through technology licensing, new products, and spin-off ventures. SRI is known for world-changing innovations in computing, health and pharmaceuticals, chemistry and materials, sensing, energy, education, national defense, and more.

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