



PARTNERING WITH STATE AND LOCAL LEADERS FOR A MORE SECURE FUTURE

Sandia National Laboratories has a strong track record of helping regional, state, and local entities prepare for a more secure future. Below is a sampling of the work we've undertaken to achieve important homeland security goals.

Safer Airports

- A project with **San Francisco International Airport** resulted in guidelines—created by Sandia and Lawrence Berkeley National Laboratory—for minimizing exposure in case of a biological incident. These guidelines are being distributed to airport authorities by the Transportation Security Administration.

Safer Subways

- The **Washington, D.C. Metro** is safer, thanks to PROTECT, a network of optical sensors, chemical detectors, and communications developed by Sandia and other national laboratories.
- **New York City** engaged Sandia to perform an in-depth study of subway system vulnerabilities and defenses. This work will result in a strategy for deploying a network of bio-agent detectors. Sandia's technical assistance also helped the city secure a Department of Homeland Security (DHS) grant to fund this project.

Safer Public Events

- SNIFFER, a rapidly deployable network of air-monitoring sensors for detecting toxic chemicals, was developed by Sandia for DHS as a detect-to-warn system for special events. SNIFFER was operationally deployed for the first time at the **2007 Rose Bowl**. Owned by DHS, the system is suitable for sports arenas and large facilities, both indoors and outdoors.

Safer Borders

- The Border Research and Technology Center, operated by Sandia in partnership with the Navy SPAWAR System Center, San Diego, evaluates border control technologies for **federal, state, and local law agencies**. This assistance is often available at no cost.
- Sandia also works hand-in-hand with the **Border Patrol** on specific issues. For example, Sandia cooperates with several northern border sectors, and provides technical support for Integrated Border Enforcement Teams. We have also evaluated several commercial sensor systems for the New Mexico National Guard.



Sandia helped develop a system to warn the Washington, D.C. Metro of chemical attacks.



In its first official deployment, SNIFFER was part of the security system used at the Rose Bowl.



Sandia's Hound device can detect trace amounts of explosives or other chemicals— alerting law and border enforcement personnel of possible malfeasance.

Safer Cities

- Should an attack or incident occur, cities need to know how to respond quickly and effectively. Focusing on **San Diego** as the pilot location, Sandia's BioNet program is improving communication between civilian and military public health staff to ensure a faster unified response, as well as developing guidelines for managing attack consequences.

- A prototype chemical detector developed by Sandia helped the **South Texas Specialized Crime and Narcotics Task Force** detect narcotics shipments at vehicle checkpoints, locate drugs in middle and high schools, and seize drug money going south into Mexico. The detector, called Hound, can also sense the minute amounts of explosives on people and items that may be the only clue of criminal or terrorist activity.

Safer Ports

- Sandia served as program manager for the **Ports of Long Beach and Los Angeles** in implementing Operation Safe Commerce—a federal program to explore business processes and technologies for protecting commercial shipments from terrorism, illegal immigration, and contraband. Sandia identified security improvements throughout the international supply chain, tested an array of security technologies, and made recommendations.
- Sandia is working with the **Port Authority of New York and New Jersey** to test advanced radiation detection equipment developed by three commercial companies under a DHS project. This test effort builds on another project to test and develop concepts at busy seaports.

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