

Descriptors for UK Visit

Real-time SAR Images and Predator UAV with SAR

Sandia's miniSAR (synthetic aperture radar) will be used on small Unmanned Aerial Vehicles (UAVs), such as the Predator.

Bioagent Release Model

The Sandia-developed model, permits military and civilian agencies to conduct coordinated response exercises, evaluate emergency plans, and train emergency personnel.

NISAC

The National Infrastructure Simulation and Analysis Center (NISAC), is a collaboration with Los Alamos National Laboratory that provides modeling, simulation, and analysis to address the issues related to disruptions of the nation's infrastructure.

Yucca Mountain Project

In assuming the Lead Lab responsibilities for the Yucca Mountain Project, Sandia is to deliver a credible and defensible license application for storage of high-level radioactive wastes to the Nuclear Regulatory Commission (NRC) by June 30, 2008.

CINT

The Center for Integrated Nanotechnologies (CINT), a DOE Office of Science nanoscience national user facility, is a partnership (Sandia/LANL and NNSA/DOE) designed to bring together researchers to bridge the gap between nanoscience discoveries and nanotechnology-enabled solutions to national security, energy, and water challenges.

Trace Explosives Detector

A walk-through detection portal, based on technology developed by Sandia and licensed by Smiths Group PLC, is deployed in many international airports to detect trace explosives on passengers.

Algae-Based Production of Biofuels

Sandia is working the science and engineering challenges of producing transportation biofuels from large-scale cultivation of oil-producing algae.

SMART Radiation Detector

Sandia's Sensor for Measurement and Analysis of Radiation Transients (SMART) system detects and identifies radioactive material located within a few meters of the sensor, and can be placed in a stationary configuration at control points or deployed in a vehicle for mobile detection.

Support for Shuttle Return to Flight

Sandia provided support for the Shuttle Return to Flight, including the Laser Dynamic Range Imager (LDRI), the primary tool for inspecting the shuttle's Thermal Protection System during missions, to inspect the Discovery's wings and nose cap for damage as small as a 0.020-inch crack in the heat shield.

Sensor Dart

The Sensor Dart program is to deliver and emplace unattended ground sensors, using an aerodynamic glider by AeroVironment, to provide situation awareness.