

Sandia National Laboratories



Sandia seeks to secure a peaceful world by developing innovative, science-based systems engineering solutions to the most challenging security problems that face our nation and the world.

Sandia was established as a laboratory in 1949 to provide system engineering expertise for the first nuclear weapons. Since then, we have evolved into a multiprogram national security laboratory with a core nuclear weapons mission. Today, the Administration's joint objectives of maintaining a safe, secure, and effective nuclear arsenal and, at the same time, strengthening the global nonproliferation regime and preventing nuclear terrorism provide a challenging, significant role for Sandia.

Sandia conducts research and development in nuclear weapons, nonproliferation, energy and infrastructure assurance, and technologies that defend Americans and our interests at home and abroad. Our strategic capabilities are based on a solid foundation of science, technology, and engineering.

Capabilities

As new challenges arise, the nation has called on Sandia to develop solutions that keep us secure. We help the nation solve significant problems by attracting outstanding people and providing them with core multidisciplinary capabilities and cutting-edge facilities:

- High-performance computing, modeling, and simulation (Red Mesa and Red Sky supercomputers)
- Major environmental testing (Z accelerator, sled track)
- Microelectronics and microsystems (MESA facility)

Recent Achievements

Over the years, Sandia has pioneered many groundbreaking products: cleanrooms for making microelectronics; miniature, real-time, high-resolution radars; and an anthrax decontamination foam.

Among our 2010 achievements are the following:

- A gas analyzer that can separate more than 300 compounds in 4 seconds to be used in military and homeland security applications
- The first large-scale liquefied natural gas fire test to inform harbor security
- Tiny, inexpensive, highly efficient solar cells

Sandia at a Glance

Main Locations

Albuquerque, NM
Livermore, CA

Other Locations

Amarillo, TX
Carlsbad, NM
Kauai, HI
Tonopah, NV
Washington, DC

Type

Multiprogram laboratory

Contract Operator

Lockheed Martin Company

Responsible Field Office

Sandia Site Office

Website

<http://www.sandia.gov>

Workforce

Employees: 8,205 FTEs
(as of April 2010)

FY10 Operating Budget

\$2.3 billion

