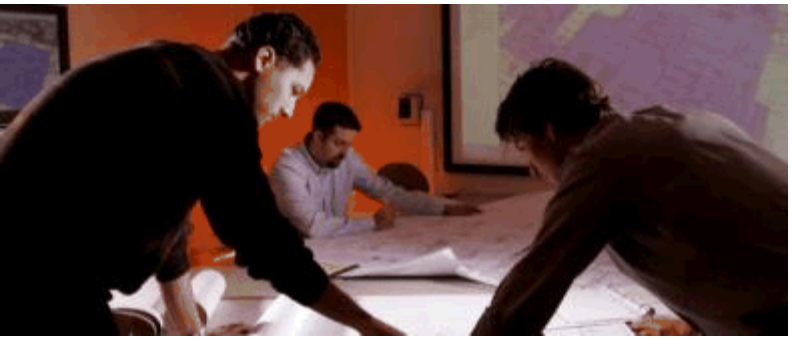
SAND2013-6865P

Exceptional service in the national interest

Sandia National Laboratories



Sandia National Laboratories

An Overview

Sandia National Laboratories is a multi-program laboratory managed and operated by Sandia Corporation, a wholly owned subsidiary of Lockheed Martin Corporation, for the U.S. Department of Energy's National Nuclear Security Administration under contract DE-AC04-94AL85000. SAND No. 2012-5130P

SAND2013-0161C
SAND2011-3922P

Sandia's History

THE WHITE HOUSE
WASHINGTON

May 13, 1949

Dear Mr. Wilson:

I am informed that the Atomic Energy Commission intends to ask that the Bell Telephone Laboratories accept under contract the direction of the Sandia Laboratory at Albuquerque, New Mexico.

This operation, which is a vital segment of the atomic weapons program, is of extreme importance and urgency in the national defense, and should have the best possible technical direction.

I hope that after you have heard more in detail from the Atomic Energy Commission, your organization will find it possible to undertake this task. In my opinion you have here an opportunity to render an exceptional service in the national interest.

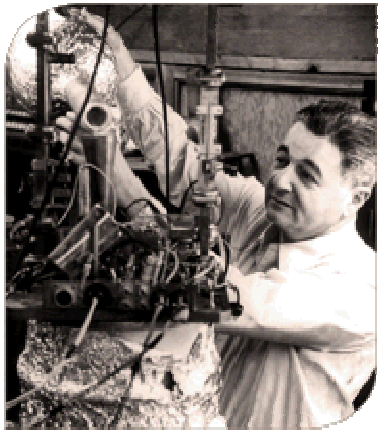
I am writing a similar note direct to Dr. O. E. Buckley.

Very sincerely yours,

Harry Truman

Mr. Leroy A. Wilson,
President,
American Telephone and Telegraph Company,
195 Broadway,
New York 7, N. Y.

Sandia National Laboratories



Sandia's Governance Structure

Sandia Corporation

- AT&T: 1949–1993
- Martin Marietta: 1993–1995
- Lockheed Martin: 1995–present
- Existing contract expired: Sept. 30, 2012
- One-year contract extension: Sept. 30, 2013
- Two additional 3-month options: March 31, 2014

Government owned, contractor operated

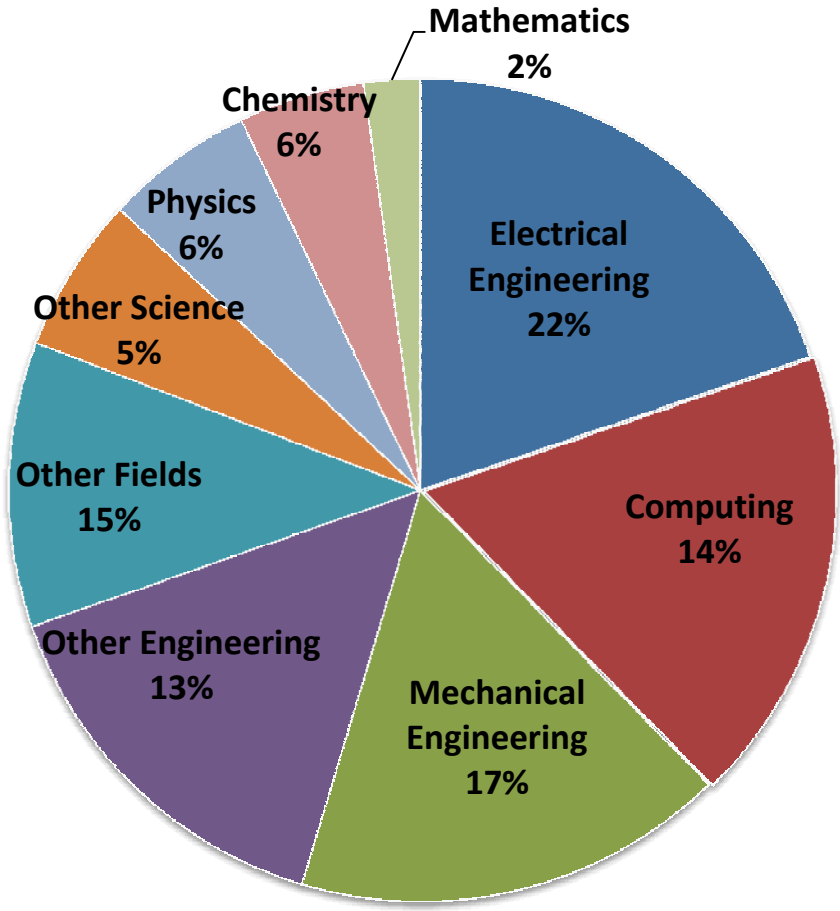
Federally funded research and development center

Our Workforce

- On-site workforce: 11,711
- Regular employees: 9,494
- Gross payroll: ~$1.046 billion

Data as of April 12, 2013

R&D staff (4,799) by discipline



Sandia's Sites

Sandia National Laboratories

Albuquerque, New Mexico

Livermore, California

Kauai, Hawaii

Waste Isolation Pilot Plant, Carlsbad, New Mexico

Pantex Plant, Amarillo, Texas

Tonopah, Nevada

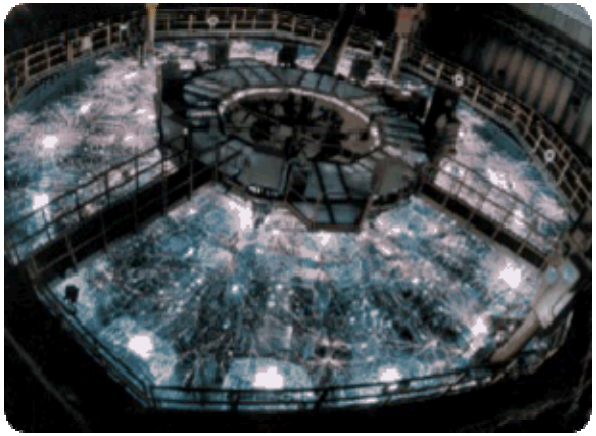
Our Core Values

- Serve the nation
- Deliver with excellence
- Respect each other
- Act with integrity
- Team for great results

Nuclear Weapons

Sandia National Laboratories

Pulsed power and radiation effects sciences

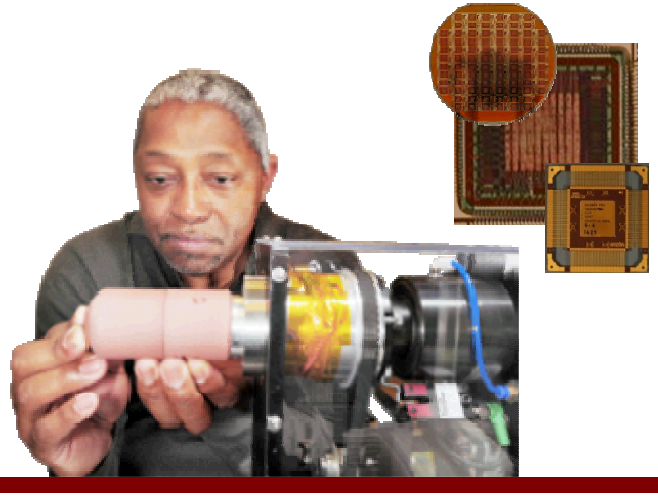


Design agency for nonnuclear components

- Neutron generators
- Arming, fuzing and firing systems
- Safety systems
- Gas transfer systems

Warhead systems engineering and integration

Production agency



Defense Systems and Assessments

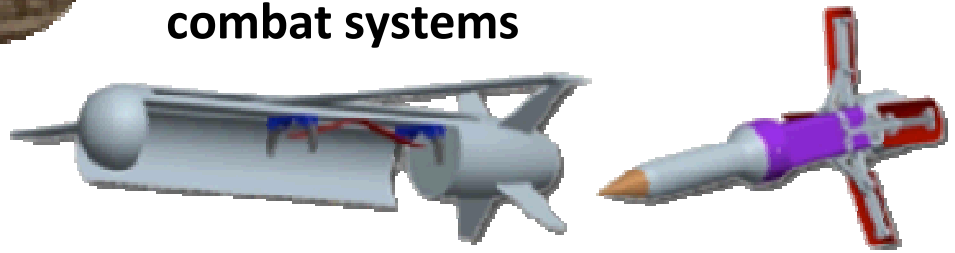
Sandia National Laboratories

Synthetic aperture radar

Support for NASA

Support for ballistic missile defense

Ground sensors for future combat systems



Defense Systems & Assessments Programs

- Information Operations
- Integrated Military Systems
- Proliferation Assessment
- Remote Sensing and Verification
- Space Missions
- Surveillance & Reconnaissance
- Science & Technology Products

International, Homeland, and Nuclear Security

Sandia National Laboratories

Critical asset protection

Homeland defense and force protection

Homeland security programs

Global security

Global Security

*We seek…*a safe, secure world through global technical engagement

- Enhance security of vulnerable nuclear weapons stockpiles and weapons-usable nuclear material in countries of concern and the ability to detect illicit trafficking of those materials at international border crossings including airports, seaports and other points of entry/exit.
- Provide technical support to US government policy makers for arms control and international agreements.
- Develop and deliver innovative and sustainable technologies to protect at-risk WMD-usable nuclear and radiological materials worldwide from theft and sabotage.

Homeland Defense & Force Protection

Sandia National Laboratories

We provide…technology and systems solutions to confront continually changing threats to critical DoD and NNSA assets and missions from intruders, explosives, chemical, biological, radiological, nuclear and other combined threats.

- Design, develop, test, and implement physical security technologies and systems to protect nuclear weapons and other high value assets, facilities and systems
- Create remediation capabilities to support demilitarization of chemical weapons
- Create technologies to protect DoD and other personnel and operations from chemical and biological threats
- Develop and apply innovative technologies to address emerging threats and respond to incidents and accidents impacting national security

Nuclear Security

ChemBio Warfare Defense

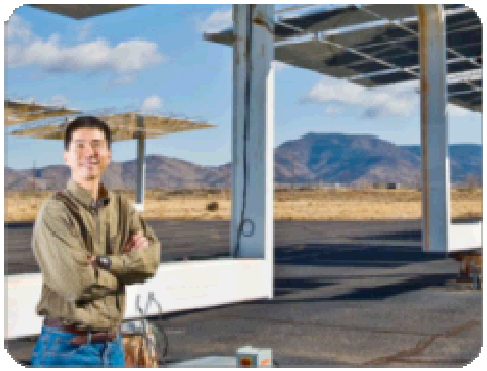
Weapons Remediation

Technologies and Systems for Emerging Threats

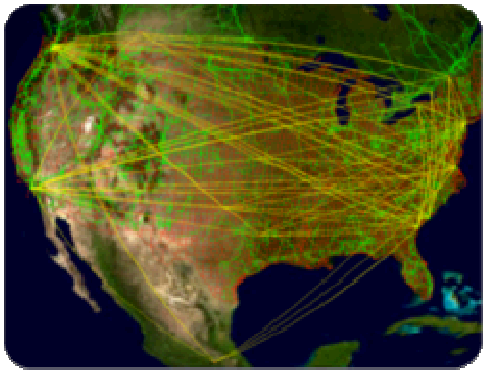
Energy, Climate, and Infrastructure Security

Sandia National Laboratories

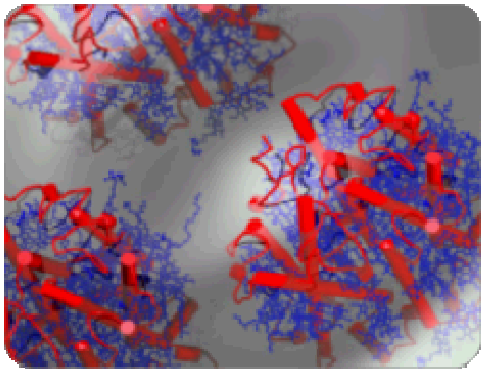
Energy



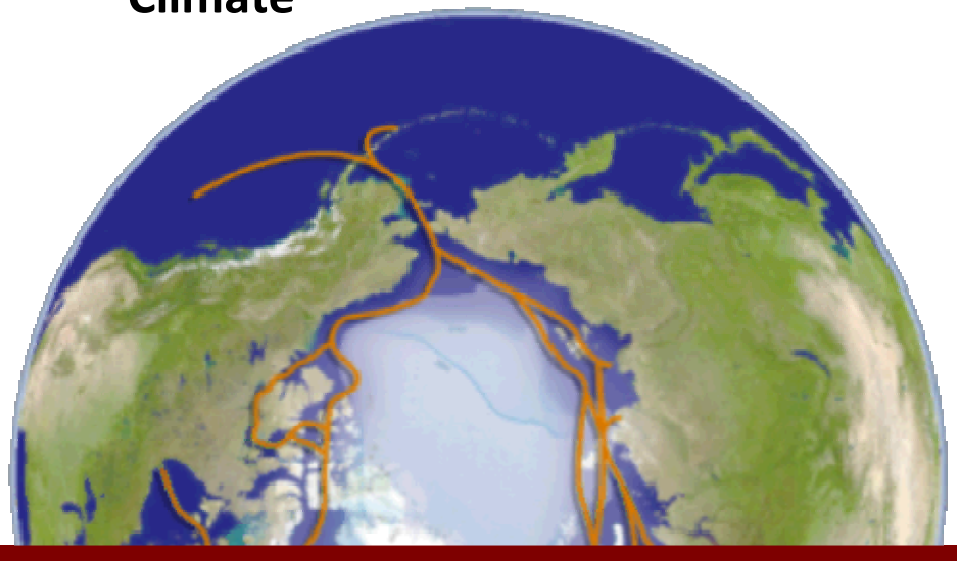
Infrastructure



Crosscuts and enablers



Climate



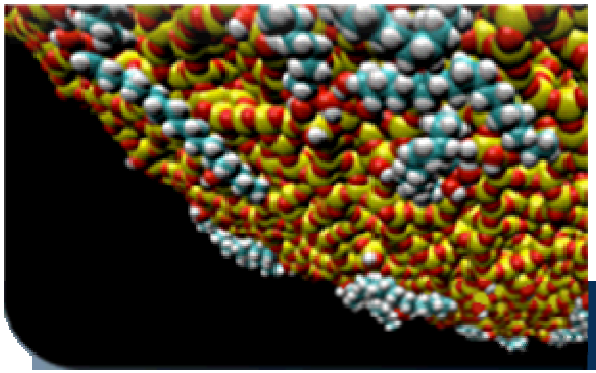
jbei
Joint BioEnergy Institute

Science and Engineering Foundations

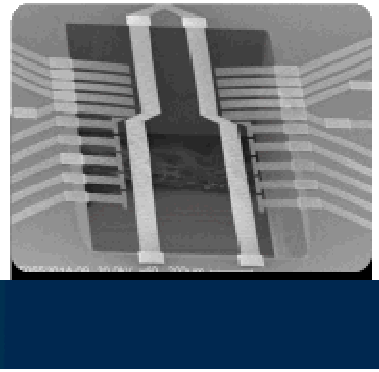
Sandia National Laboratories

Computing and information science

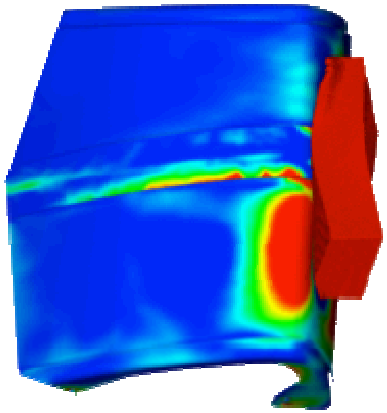
Materials science



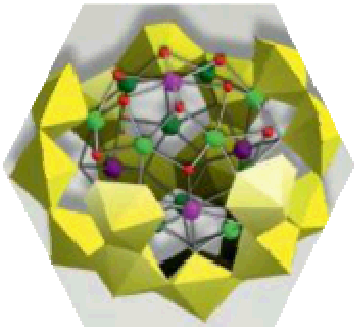
Nanodevices and microsystems



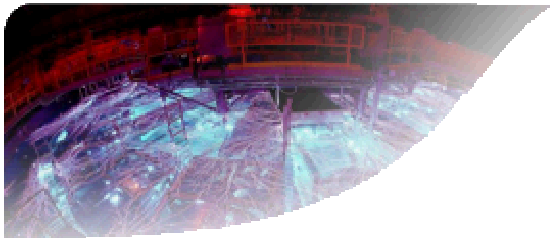
Engineering sciences



Geoscience



Radiation effects and high-energy density science



Bioscience