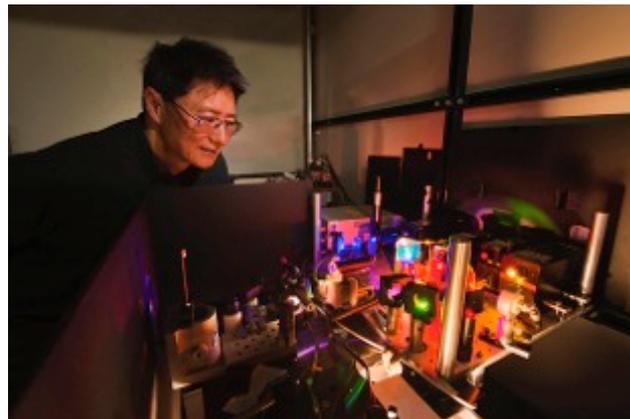
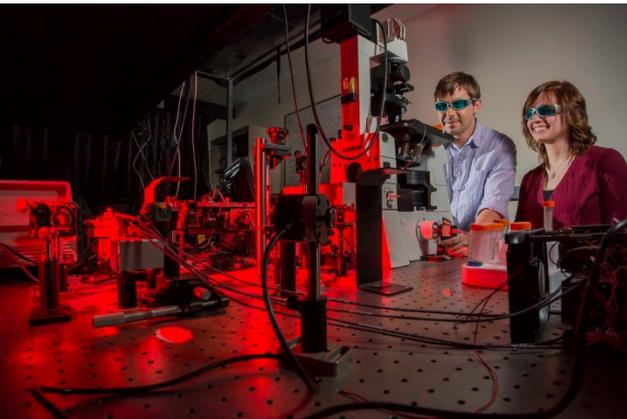


Exceptional service in the national interest



Sandia National Laboratories

An Overview

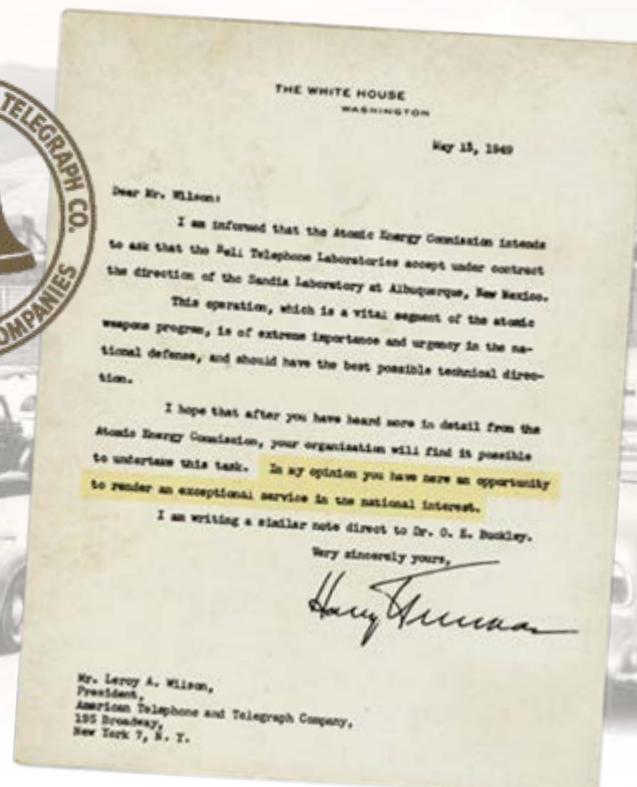
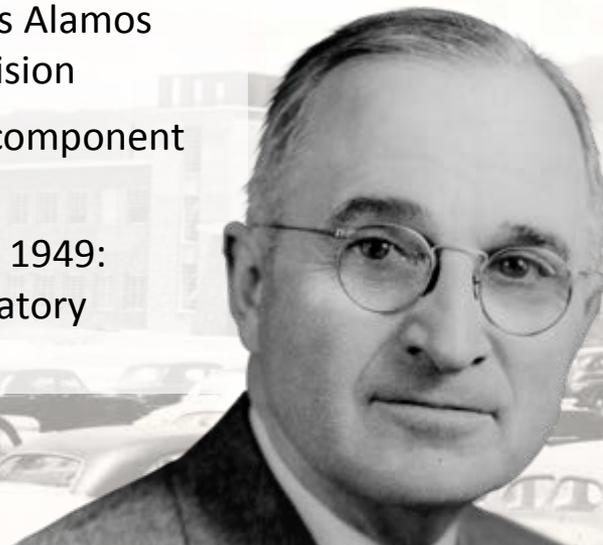


Sandia National Laboratories is a multi-program laboratory managed and operated by Sandia Corporation, a wholly owned subsidiary of Lockheed Martin Corporation, for the U.S. Department of Energy's National Nuclear Security Administration under contract DE-AC04-94AL85000. SAND No. SAND2014-17320 PE

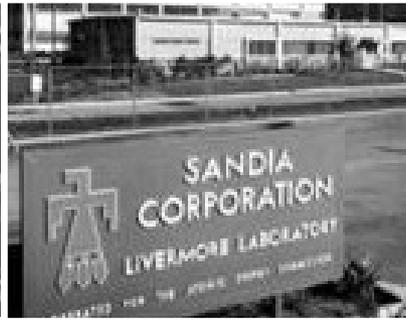
Sandia's History

Exceptional service in the national interest

- July 1945: Los Alamos creates Z Division
- Nonnuclear component engineering
- November 1, 1949: Sandia Laboratory established



to undertake this task. In my opinion you have here an opportunity to render an exceptional service in the national interest.



Governance of Sandia Laboratories

Sandia Corporation

- AT&T: 1949–1993
- Martin Marietta: 1993–1995
- Lockheed Martin: 1995–present
- Existing contract expires: April 30, 2017
- Government owned, contractor operated

Federally funded
research and development center



Sandia's FY 2015 Total Expenditures

Total Laboratory Expenditures

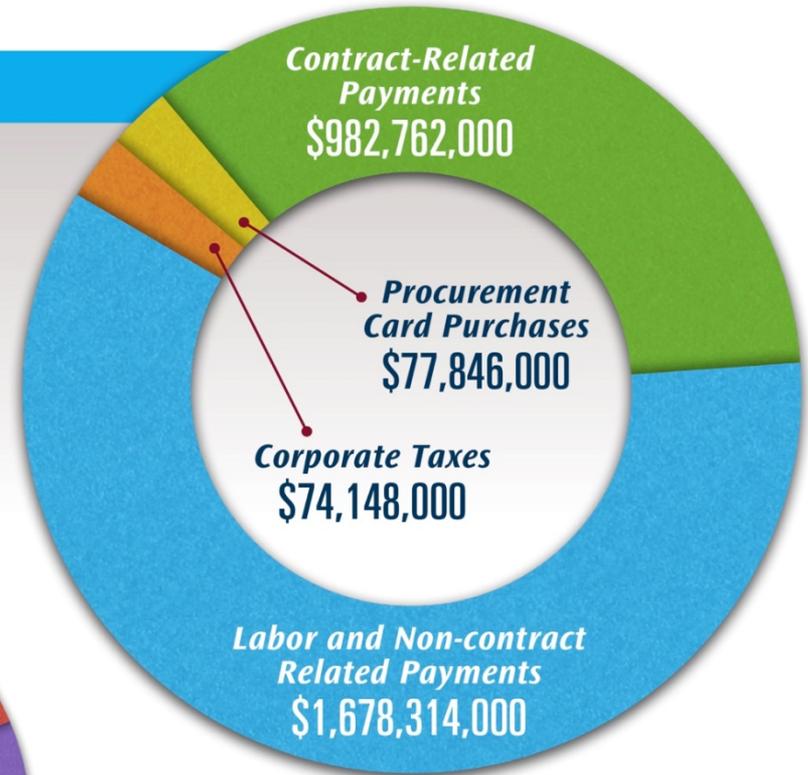
\$2,813,070,000

Contract-Related Payments

Represents dollars paid to purchase goods and services.

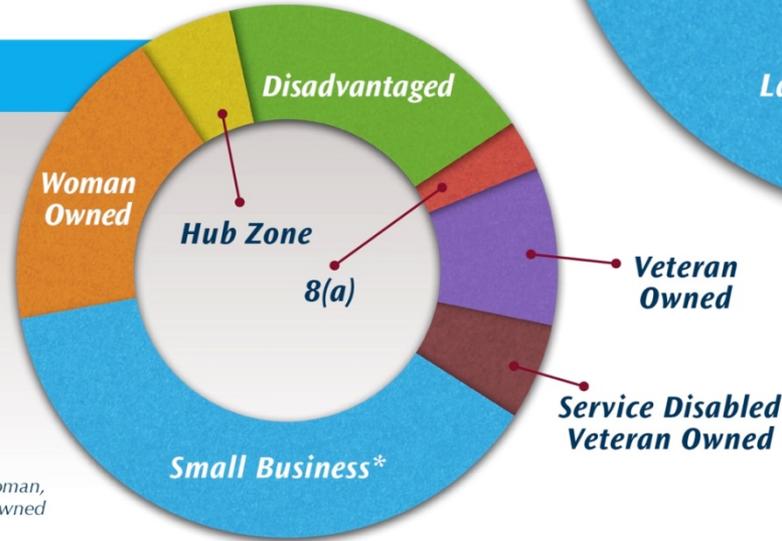
Corporate Taxes

Sandia paid \$69,553,000 to the State of New Mexico in gross receipts and corporate taxes and \$3,348,000 to the State of California in corporate taxes.



Total Small Business

\$519,330,000



*nonminority, nonwoman, nonveteran owned

Sandia Sites

Albuquerque, New Mexico



Livermore, California



Kauai, Hawaii



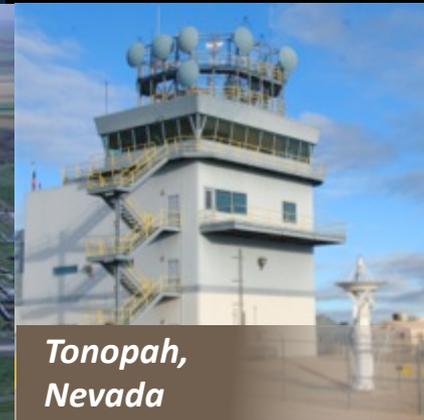
*Waste Isolation Pilot Plant,
Carlsbad, New Mexico*



*Pantex Plant,
Amarillo, Texas*



*Tonopah,
Nevada*



Sandia Addresses National Security Challenges

1950s

Nuclear weapons

Production and manufacturing engineering

1960s

Development engineering

Vietnam conflict

1970s

Multiprogram laboratory

Energy crisis

1980s

Missile defense work

Cold War

1990s

Post-Cold War transition

Stockpile stewardship

2000s

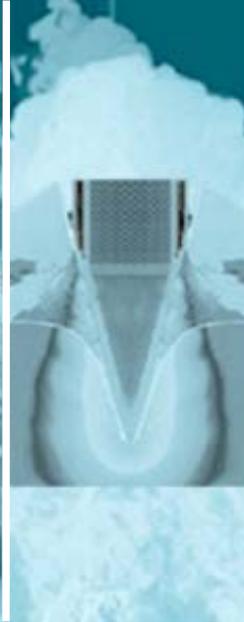
START
Post 9/11

National security

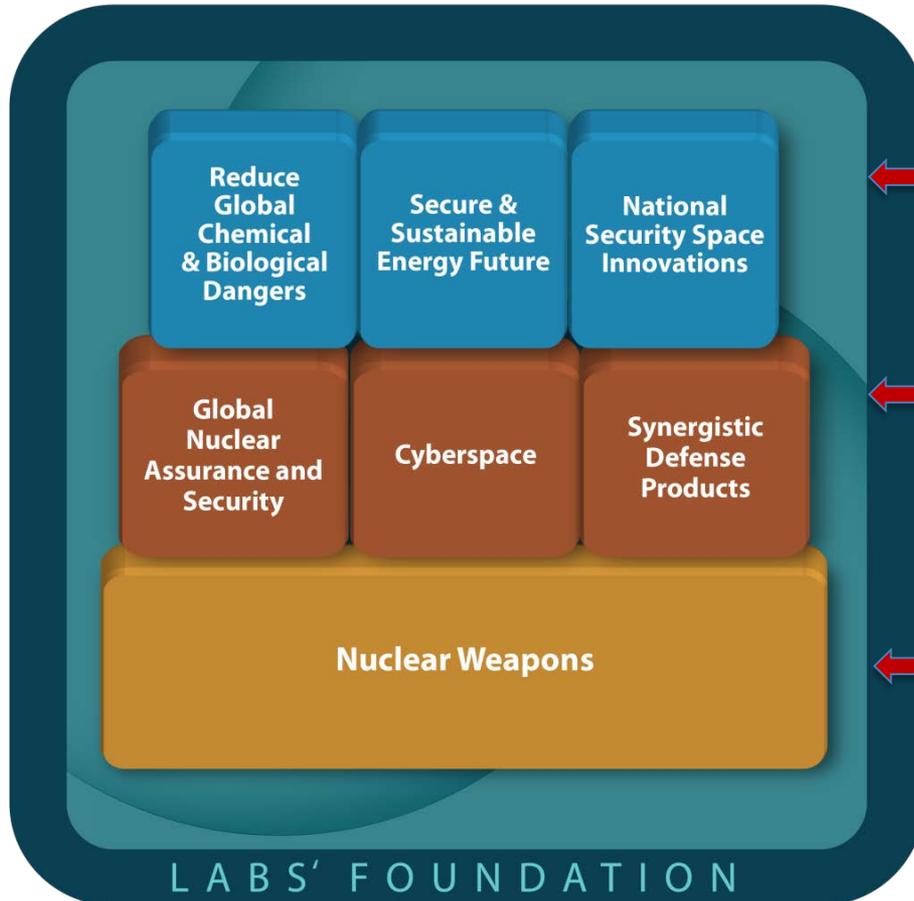
2010s

LEPs
Cyber, biosecurity proliferation

Evolving national security challenges



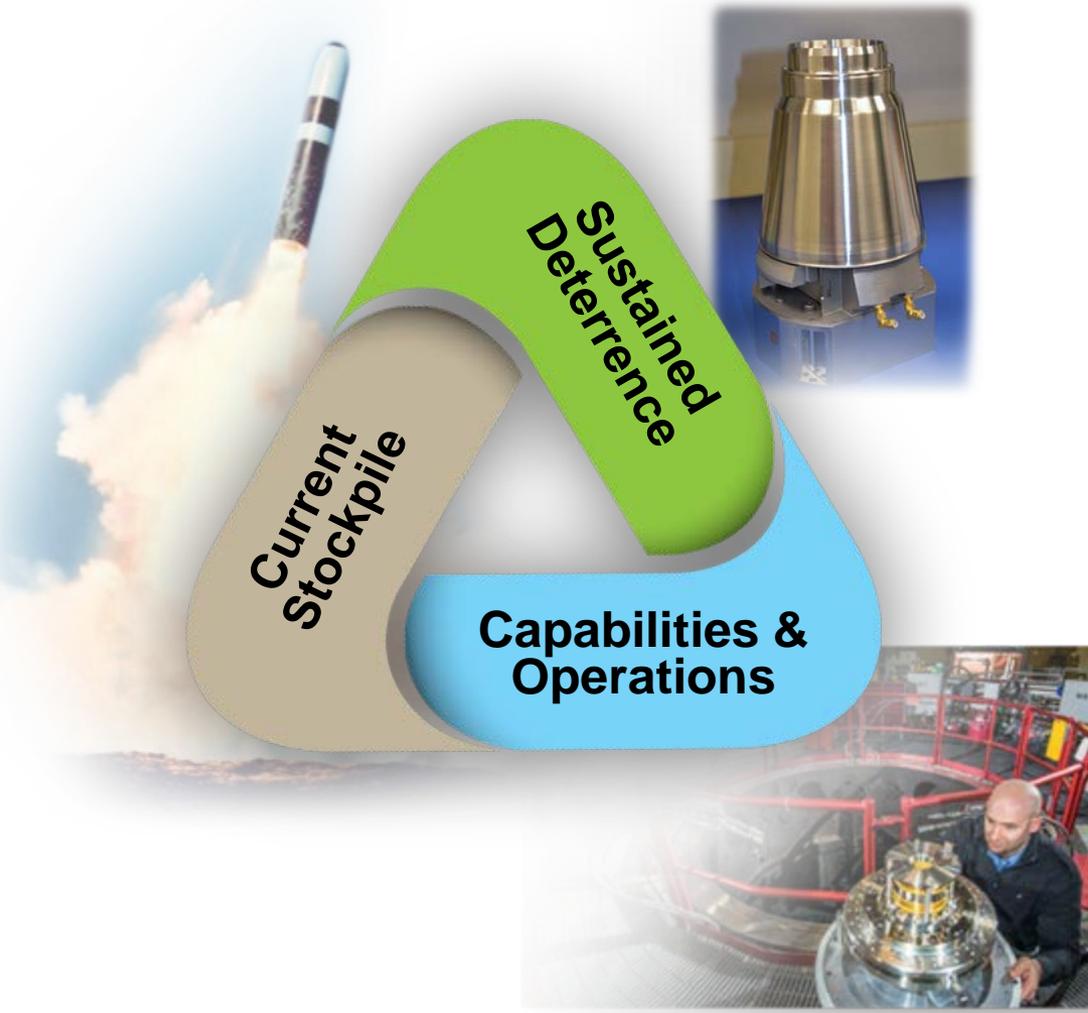
National Security Mission Areas



- Top row: Critical to national security, these three mission areas leverage, enhance, and advance Sandia's capabilities.
- Middle row: Strongly interdependent with NW, these three mission areas are essential to sustaining Sandia's ability to fulfill its NW core mission.
- Bottom row: Sandia's core mission, nuclear weapons (NW), is enabled by a strong scientific and engineering foundation.

Sandia's Nuclear Weapons Mission

- Maintain the current U.S. nuclear weapons stockpile
 - Annual Assessment, Surveillance, Limited Life Component Exchanges, Significant Finding Investigations
- Sustain the stockpile into the future
 - Life Extension Programs, Alterations, technology maturation
- Steward the long-term vitality of Sandia's capabilities, infrastructure and operations
 - Persistent commitment to multi-disciplinary staff, state-of-the-art labs, equipment, facilities and safe/secure/quality/affordable operations



Sandia's Current Nuclear Weapons Activities

Warhead Systems Engineering and Integration



An extensive suite of multi-disciplinary capabilities are required for Design, Qualification, Production, Surveillance, Experimentation / Computation

Major Environmental Test Facilities and Diagnostics



Z Machine

Light Initiated High Explosive

Annular core research reactor

Gas Transfer systems



Design Agency for Nonnuclear Components

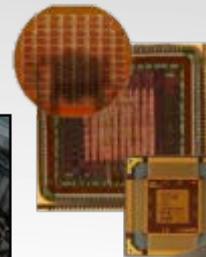


Arming, fuzing, and firing systems

Safety systems

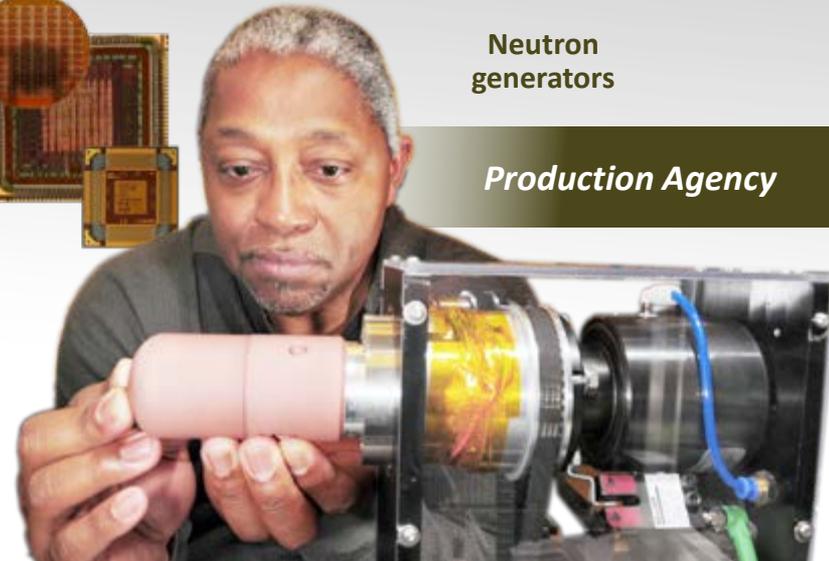


MESA Microelectronics



Neutron generators

Production Agency



Defense Systems & Assessments Programs

Information
Operations



Surveillance &
Reconnaissance



Remote Sensing
and Verification



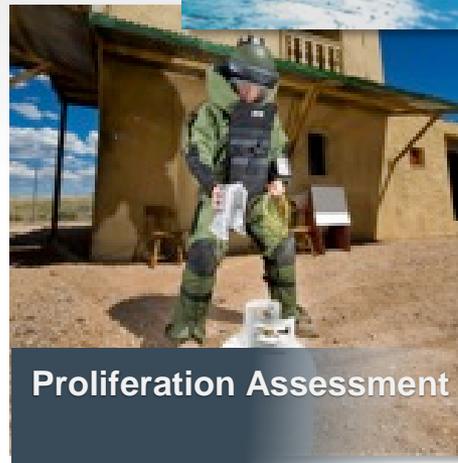
Space Mission



Science & Technology
Products



Proliferation Assessment



Integrated Military Systems



Energy & Climate

Energy Research

ARPAe, BES Chem Sciences, ASCR, CINT, Geo Bio Science, BES Material Science

Climate & Environment

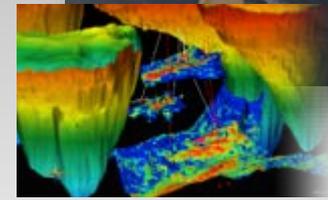
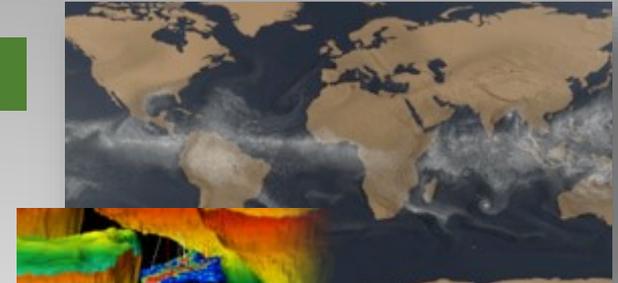
Measurement & Modeling, Carbon Management, Water & Environment, and Biofuels

Nuclear Energy & Fuel Cycle

Commercial Nuclear Power & Fuel, Nuclear Energy Safety & Security, DOE Managed Nuclear Waste Disposal

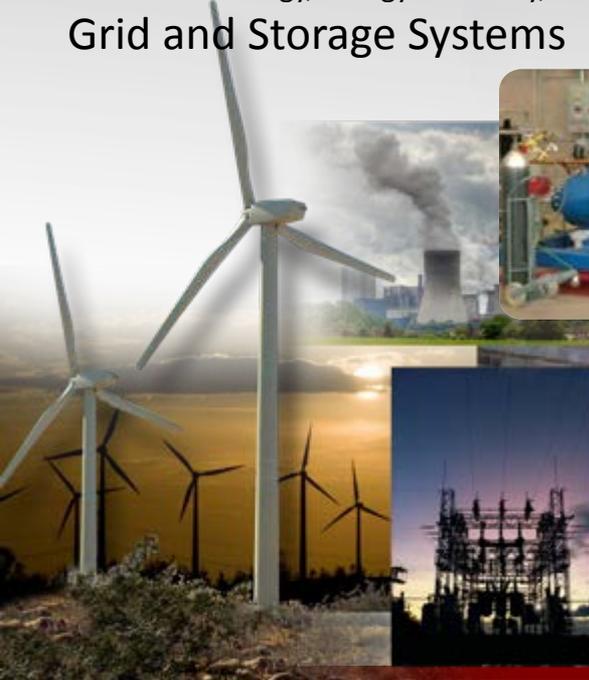
Renewable Systems & Energy Infrastructure

Renewable Energy, Energy Efficiency, Grid and Storage Systems

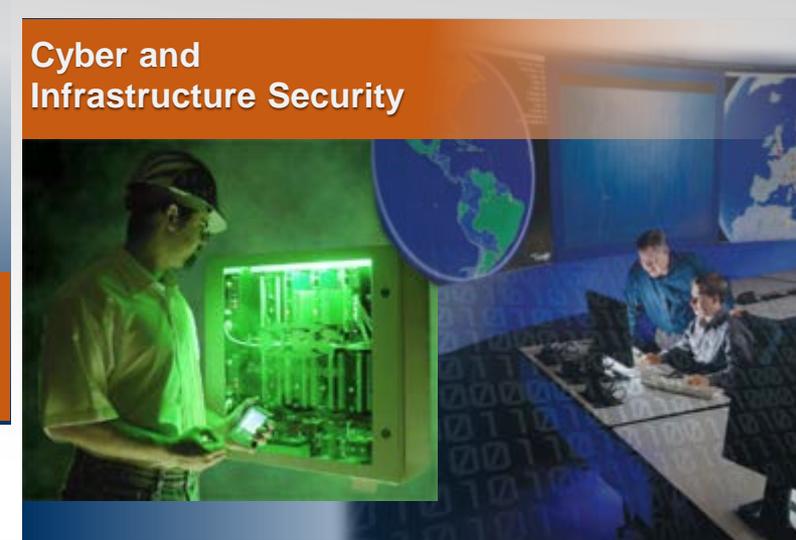


Transportation Energy & Systems

Vehicle Technologies, Biomass, Fuel Cells & Hydrogen Technology



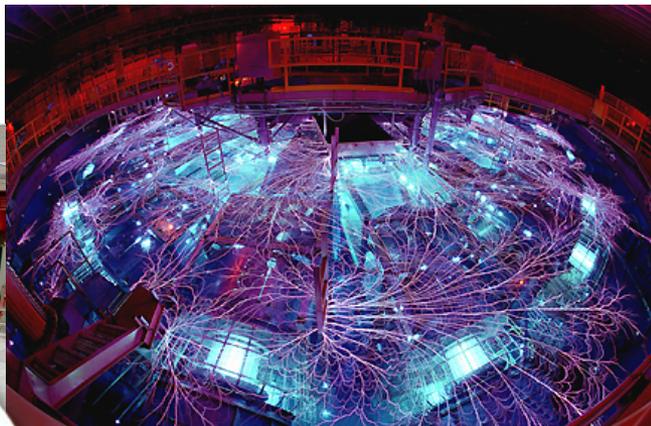
International, Homeland, & Nuclear Security



Sandia's Research Framework

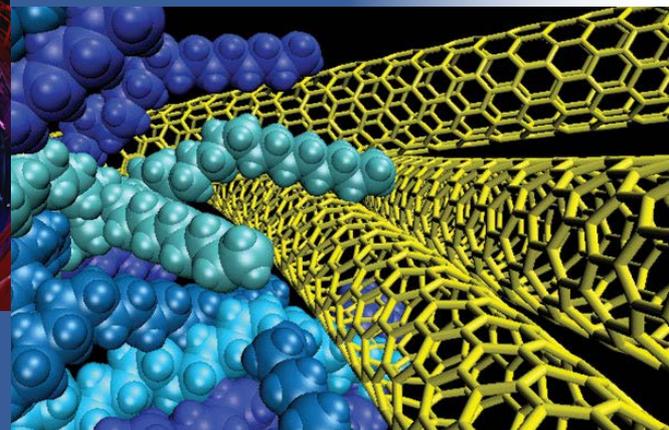
Strong research foundations play a differentiating role in mission delivery

Computing & Information Sciences

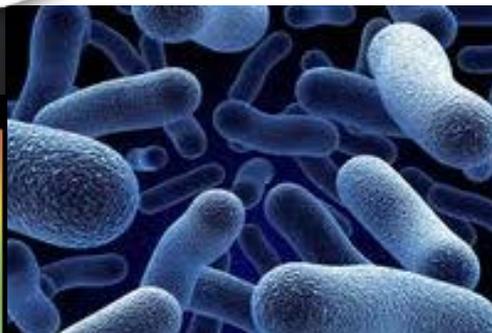
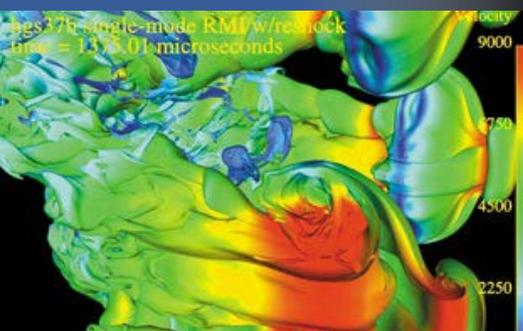


Radiation Effects & High Energy Density Science

Materials Sciences

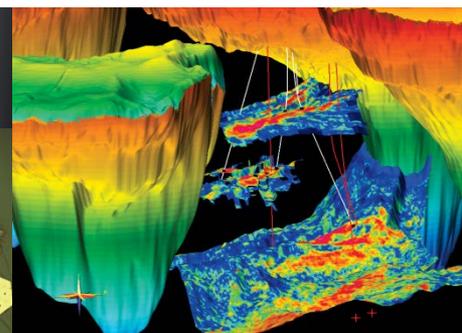
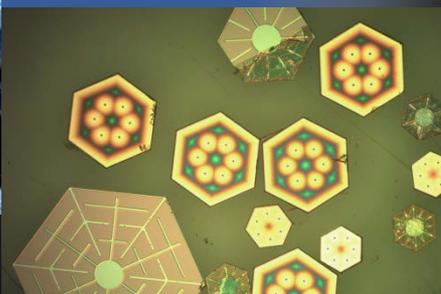


Engineering Sciences



Bioscience

Nanodevices & Microsystems



Geoscience

Sandia's Workforce

- Total Sandia workforce: 12,611
- Regular employees: 10,643
- Advanced degrees: 5,898 (55%)

Data as of December 14, 2015

Temporary/Recurrent, 983 Other,* 133 PO Contractor, 656

Staff Augmentation, 196

Regular Employees, 10,643



* Other badged personnel