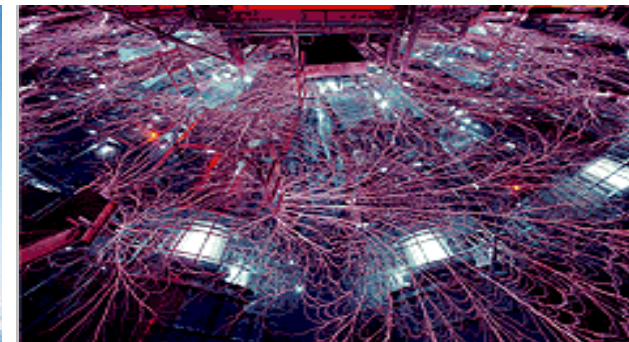


Exceptional service in the national interest



Sandia National Laboratories

Overview

Doug Wall

Our Business: National Security

Core purpose:

- To help our nation secure a peaceful and free world through technology

Highest goal:

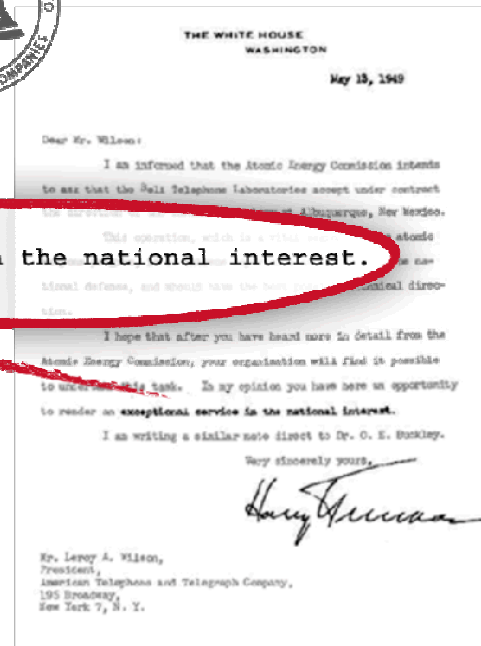
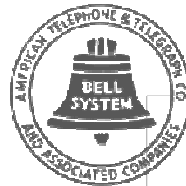
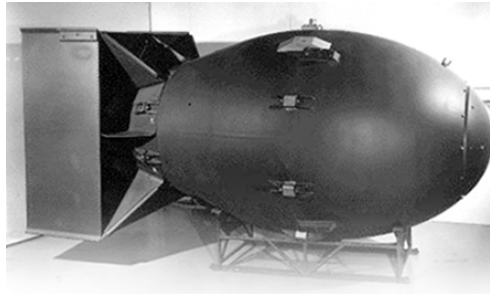
- To become the laboratory that the United States turns to first for technology solutions to the most challenging problems that threaten peace and freedom for our nation and the globe



Heritage: *Exceptional service in the national interest*



Jerrold Zacharias, c1945,
led the transfer of the Z Division
to SNL from LANL



Sandia's Sites

**Albuquerque, New
Mexico**



**Livermore,
California**

WIPP, New Mexico

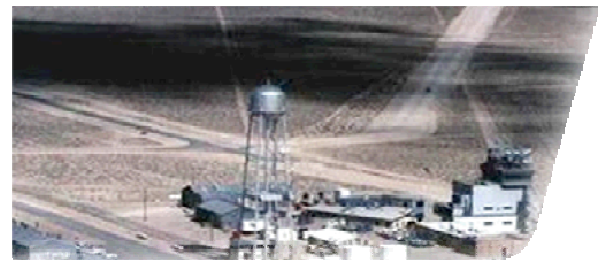
Kauai, Hawaii



Pantex, Texas

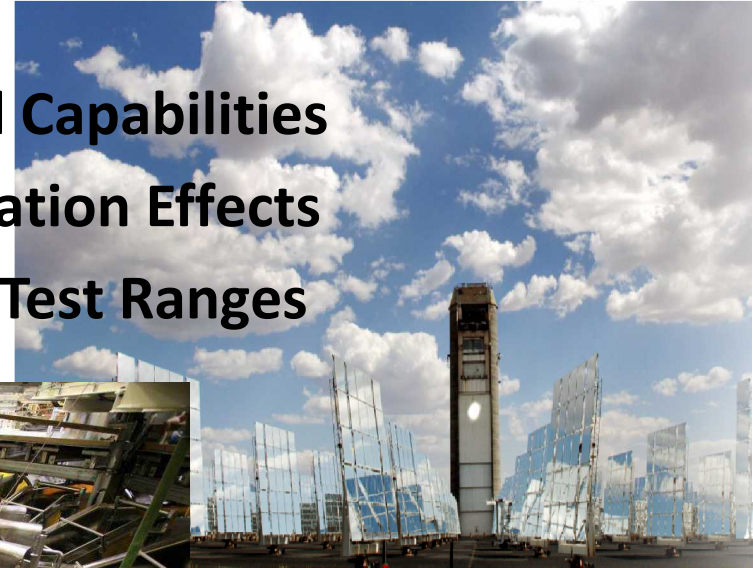


Tonopah, Nevada

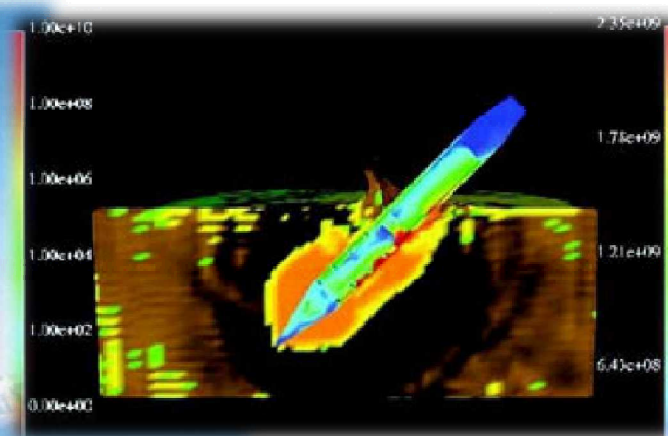
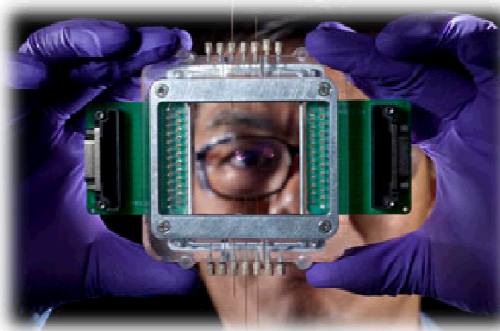
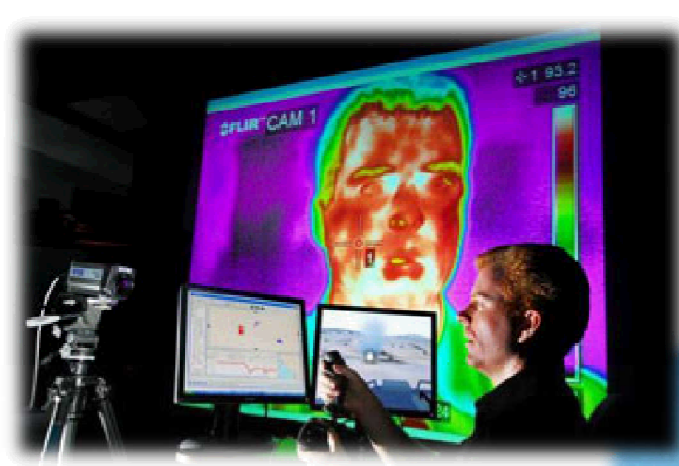


Unparalleled Facilities and Test Capabilities

- User Facilities
- Designated National Capabilities
- Z-Machine and Radiation Effects
- Large Scale Physical Test Ranges



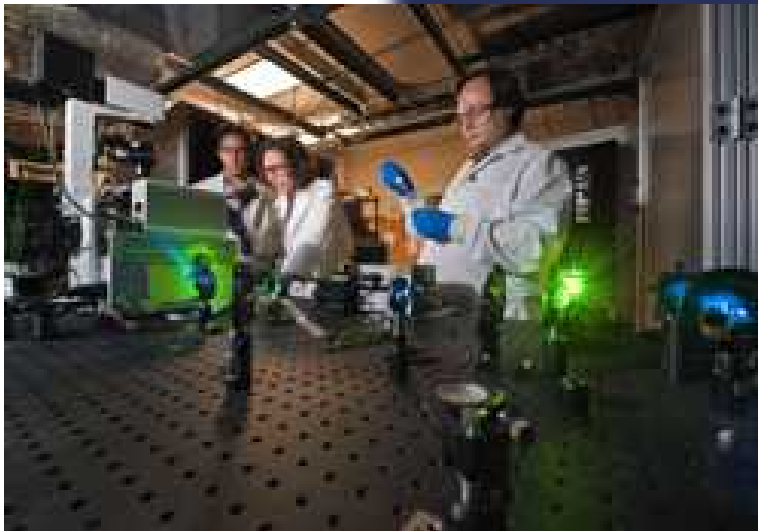
Nuclear Weapons



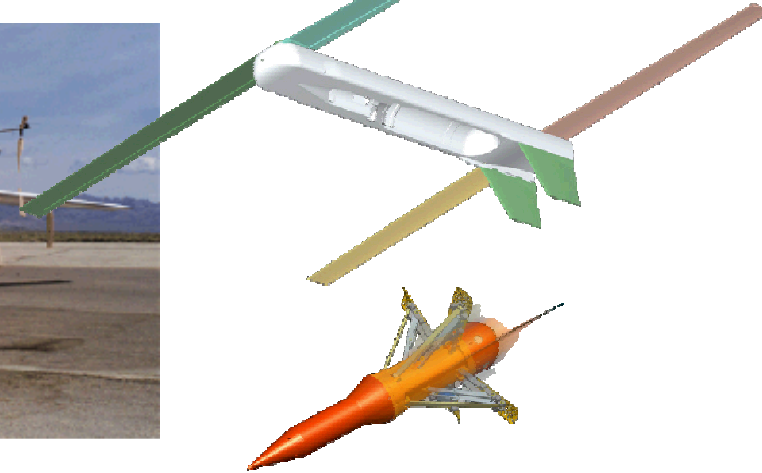
Energy, Climate, and Infrastructure Security



Nonproliferation



Defense Systems and Assessments



Homeland Security and Defense



MAC at Sandia



(left to right) USAFA Cadets Nelson & Rasfeld; Sandian, USNA MIDN Swift, Sandian, USNA MIDN Whippo



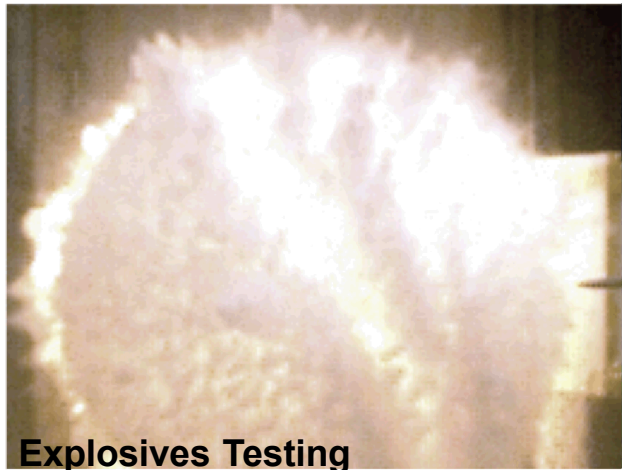
(left to right) USCGA Cadet Lee, USAFA Cadet Rasfeld, USMA Cadet Bauer



(left to right) USNA MIDN Whippo, Sandian, USAFA Cadet Jones, USAFA Cadet Rasfeld, USCGA Cadet Lee

- Rising Juniors/Seniors eligible
- Challenging real-world, relevant hands-on projects with world class scientists
- Technical and professional growth
- Unique learning experience
- Contact MAC-Program@sandia.gov for more information

MAC 2012 Projects



Explosives Testing



Synthetic Aperture Radar



Vulnerability Analysis

- A wide range of projects are available at Sandia/NM and Sandia/CA.
- A sample of 2012 projects:
 - Explosives testing support
 - Vulnerability analysis (ports, DoD, infrastructure)
 - Aircraft Compatibility
 - Surface metrology
 - Malware tool analysis
 - Robotics
 - Synthetic Aperture Radar (SAR)

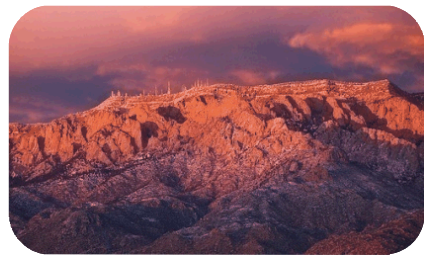


Aircraft Compatibility



Robotics

Albuquerque, New Mexico



- Hiking Trails (La Luz)
- National Monuments
- Albuquerque Isotopes Baseball
- Albuquerque BioParks
- Shopping and Dining



- Old Town, ABQ Uptown

- Around NM:

- Taos
 - Santa Fe
 - Carlsbad Caverns
 - Jemez Mountains
 - Roswell
 - White Water Rafting



Questions?

MAC-Program@sandia.gov