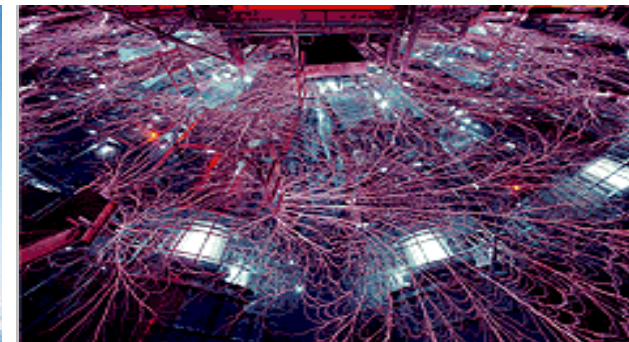


Exceptional service in the national interest



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:

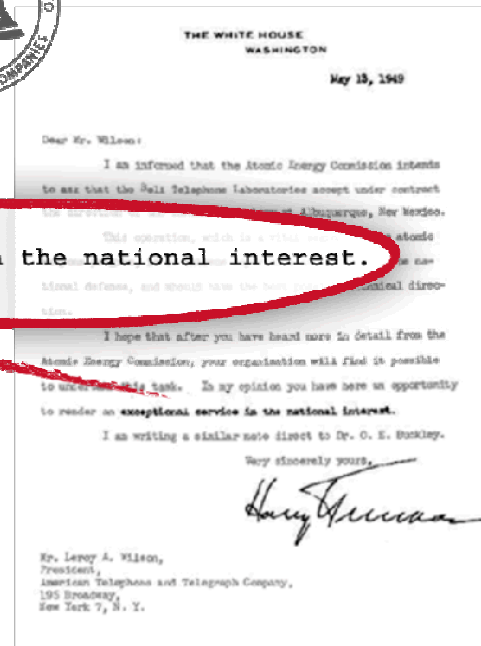
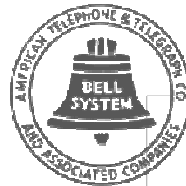
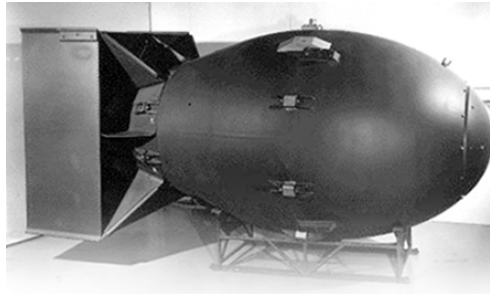
- To become the laboratory that the United States turns to first for technology solutions to the most challenging problems that threaten peace and freedom for our nation and the globe



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

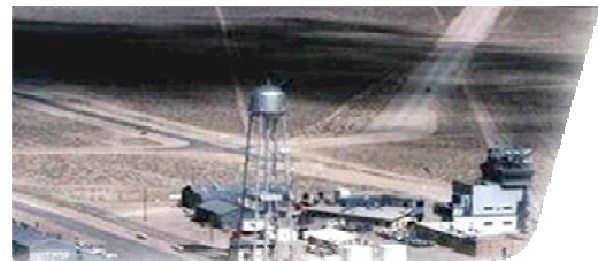
Kauai, Hawaii



Pantex, Texas

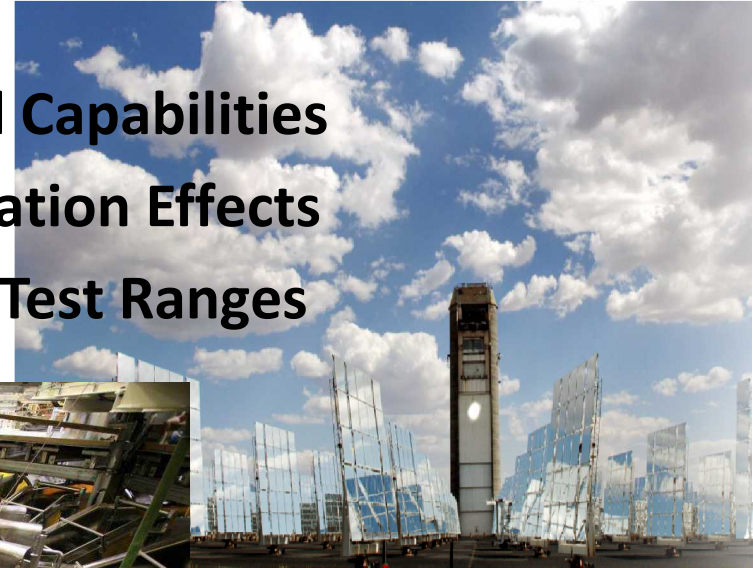


Tonopah, Nevada

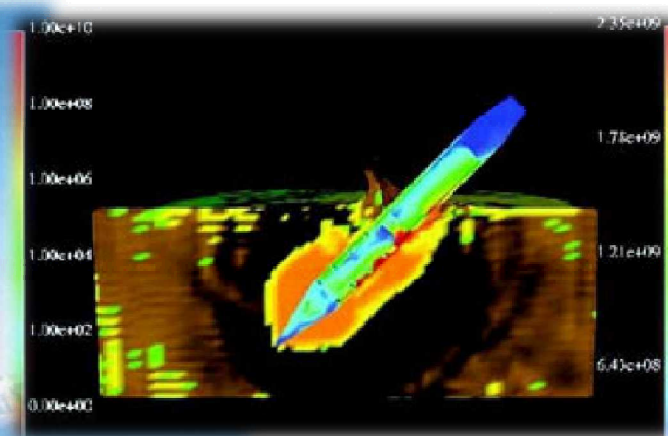
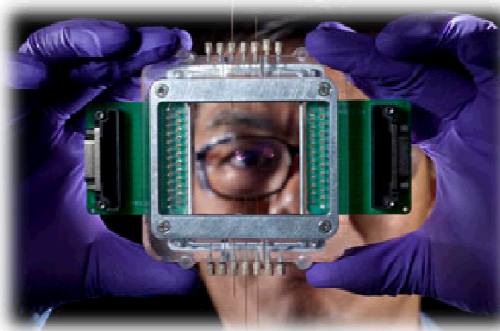
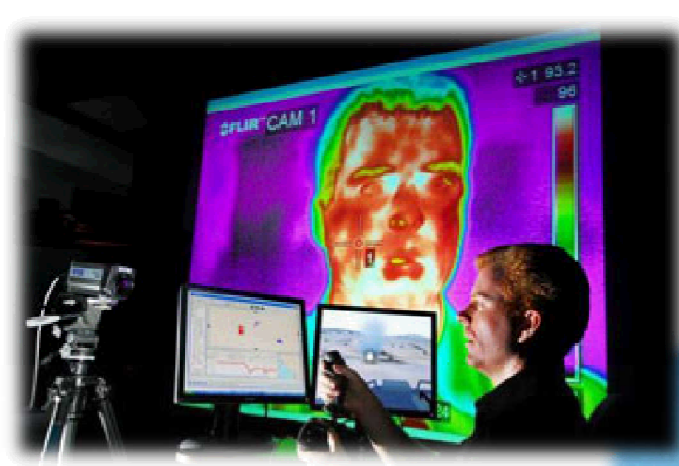


Unparalleled Facilities and Test Capabilities

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



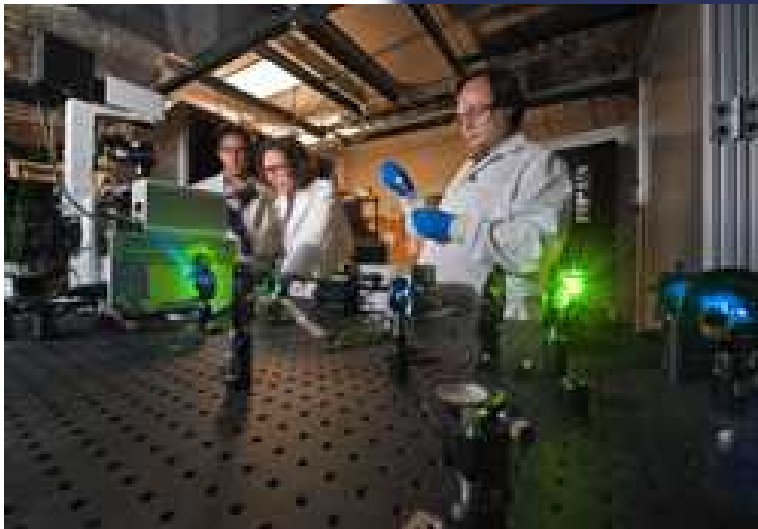
Nuclear Weapons



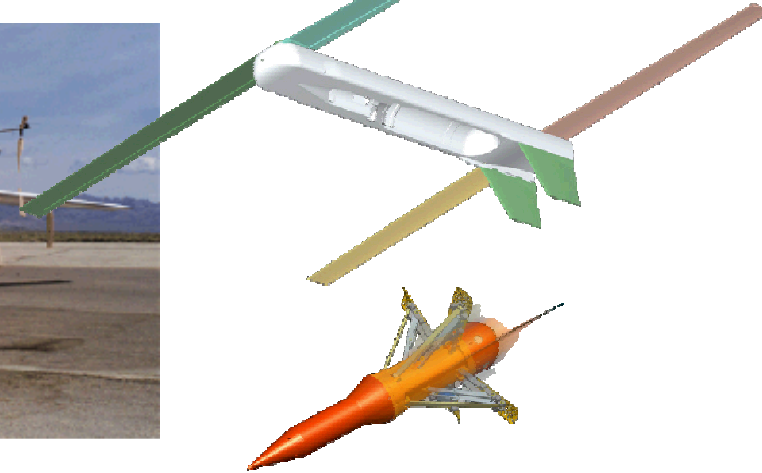
Energy, Climate, and Infrastructure Security



Nonproliferation



Defense Systems and Assessments



Homeland Security and Defense



MAC at Sandia



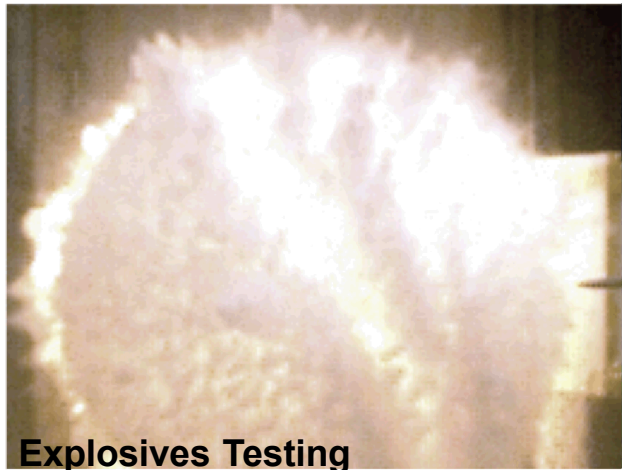
SNL/CA: MIDN Dahlke, MIDN Westland



SNL/NM: (left to right) USAFA Cadets Nelson & Rasfeld; Sandian, MIDN Swift, Sandian, MIDN Whippo

- 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)

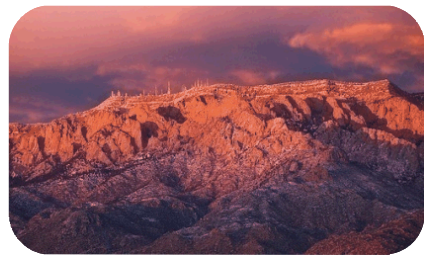


Aircraft Compatibility



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