

SANDIA NATIONAL LABORATORIES



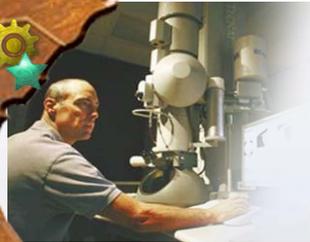
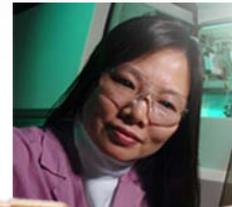
Overview of Sandia National Laboratories and Global Security Program

Henry J. Abeyta
Director, Global Security Program
October 6, 2009



Sandia is a multiprogram laboratory operated by Sandia Corporation, a Lockheed Martin Company, for the United States Department of Energy's National Nuclear Security Administration under contract DE-AC04-94AL85000.

National Labs and Production Sites



Sandia's Sites

Albuquerque,
New Mexico



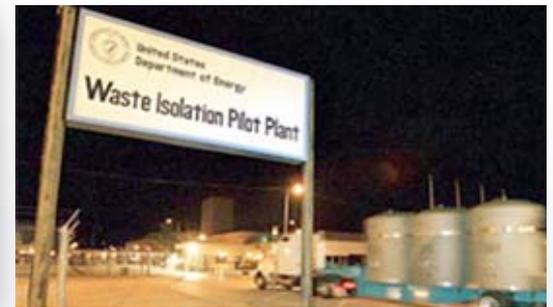
Livermore,
California



Yucca Mountain,
Nevada



WIPP,
New Mexico



Kauai,
Hawaii



Pantex, Texas



Tonopah, Nevada



Four Mission Areas

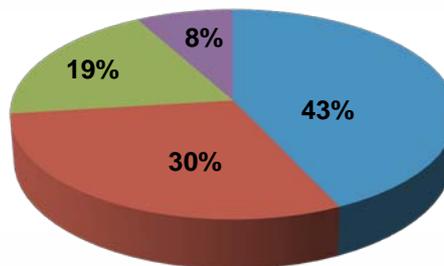
- Nuclear Weapons
- Defense Systems and Assessments
- Energy, Resources and Nonproliferation
- Homeland Security and Defense



People and Budget

- FY09 permanent workforce: 8,050
- FY09 budget: \$2.2B

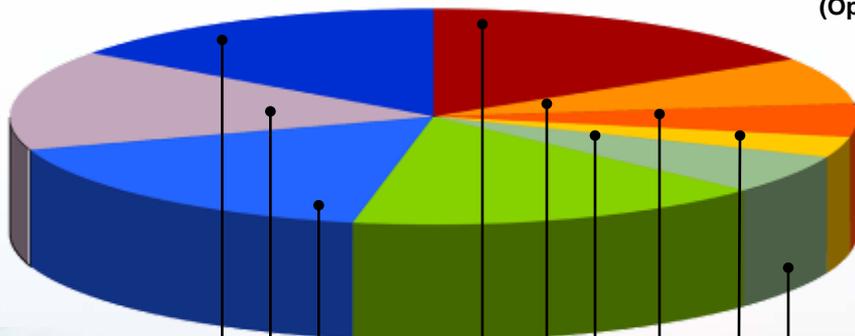
FY09 Operating Revenue



- Nuclear Weapons
- Defense Systems and Assessments
- Energy, Resources, and Nonproliferation
- Homeland Security and Defense

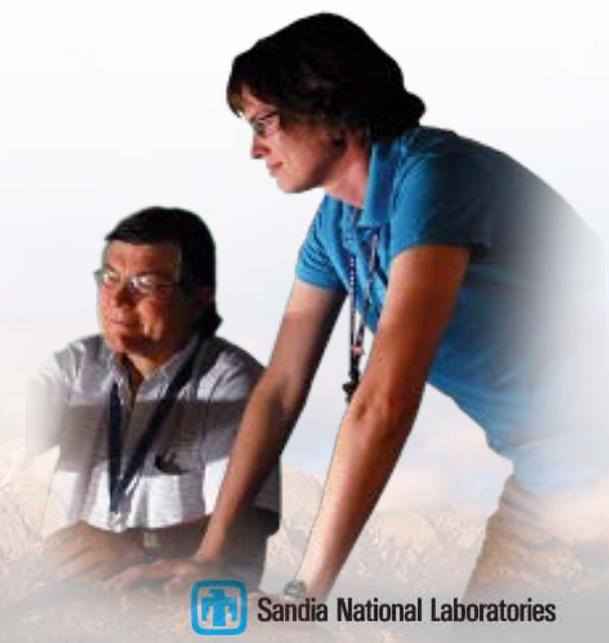
(Operating Budget)

Technical Staff (3,919) by Degree
(Start of FY09)



- Computing 17%
- Math 3%
- Chemistry 5%
- Physics 6%
- Other Science 7%
- Other Fields 17%

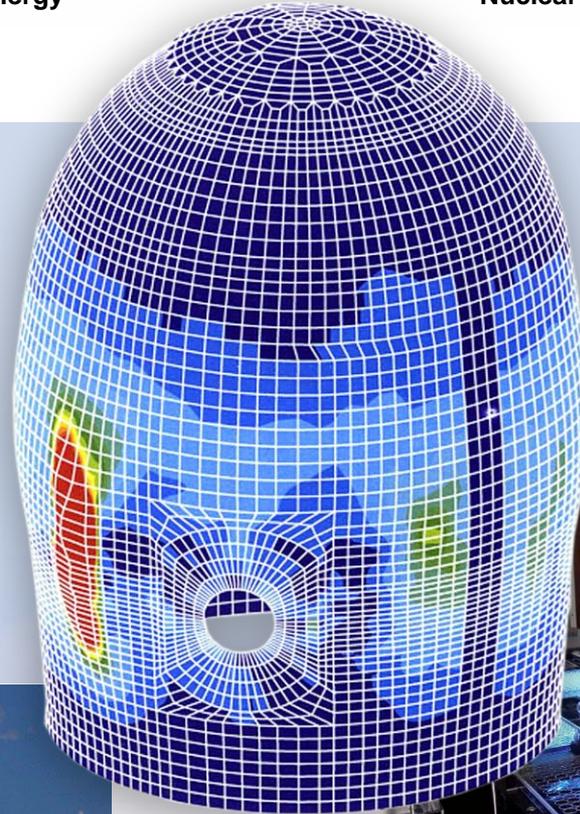
- Electrical Engineering 16%
- Mechanical Engineering 13%
- Other Engineering 16%



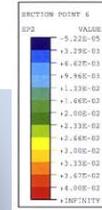
Energy, Resources and Nonproliferation



Renewable and alternative energy



Nuclear energy



Fuel and water systems



Global security



Homeland Security and Defense

Modeling catastrophic events



Infrastructure modeling and protection



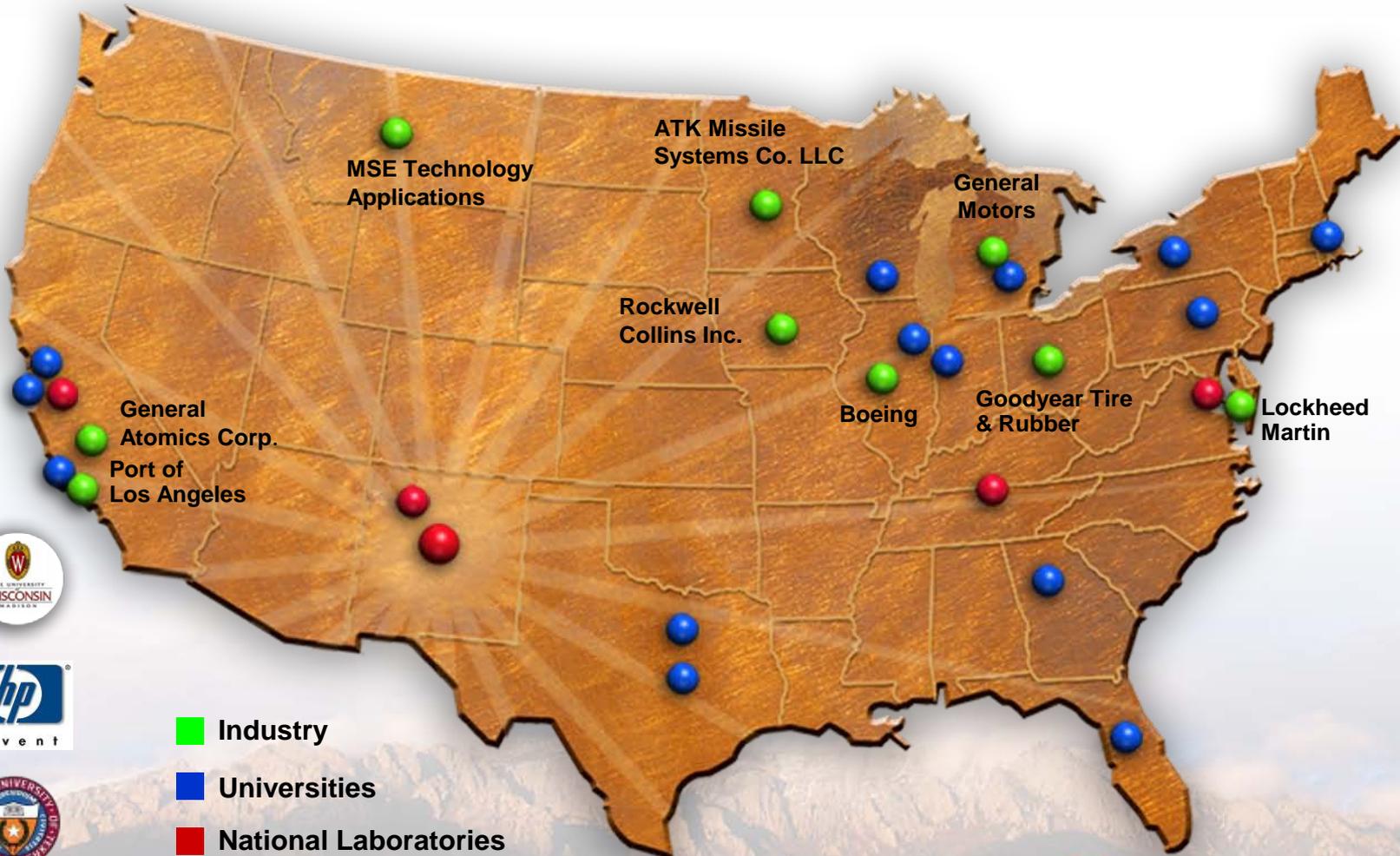
Physical security and force protection



Maritime security

Partnerships

Point of convergence for Industry, Government, Universities



- Industry
- Universities
- National Laboratories

Global Security Program – Three Core Areas

Reducing WMD and terrorism threats through international technical cooperation

Nuclear/Radiological Threat Reduction

- Secure Weapons and Material
- Reduce Fissile Material Inventories
- Detect Undeclared State Activities
- Detect/Interdict Nuclear Smuggling
- Prevent Malevolent Radiological Dispersal
- Enable Global Reductions in NW Arms and Supporting Infrastructure

Biological/Chemical Threat Reduction

- Secure High-Risk Pathogens, Chemicals, and Facilities
- Analyze/Respond to Infectious Disease Outbreaks
- Enhance Adoption of Safety and Security Practices

Multi-Threat Risk Reduction

- Secure Borders and Ports
- Secure Critical Assets
- Reduce Motivation to Acquire/Use WMD
- Impede Access by Proliferators to WMD expertise



Summary

As global proliferation and terrorist threats continue to evolve, Sandia's Global Security Program will anticipate US needs to meet the challenges in a dynamic and complex international environment.

- Building on Sandia's science and technology foundations
- Building on more than 40 years experience in security
- Leveraging our established programs, capabilities, and relationships
- Providing the critical link between technology and policy

Meeting the global security challenges today and in the future