

Exceptional service in the national interest

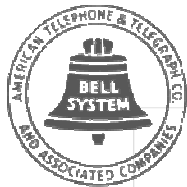


WELCOME

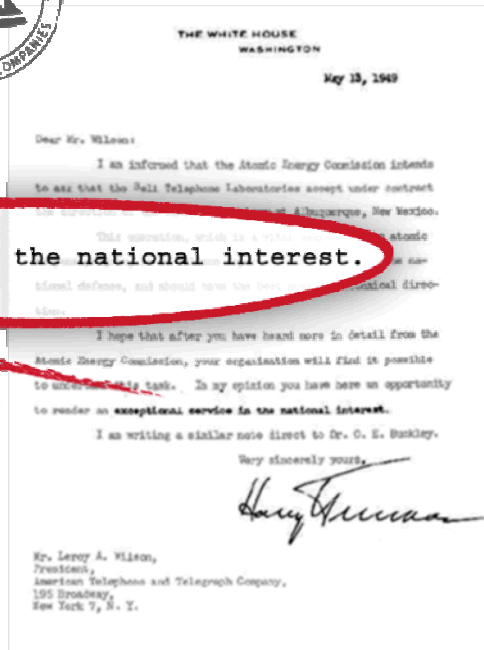
Center 6500 – Weapon and Force Protection

David W. Corbett
Director

Sandia's history



exceptional service in the national interest.



Sandia's governance structure

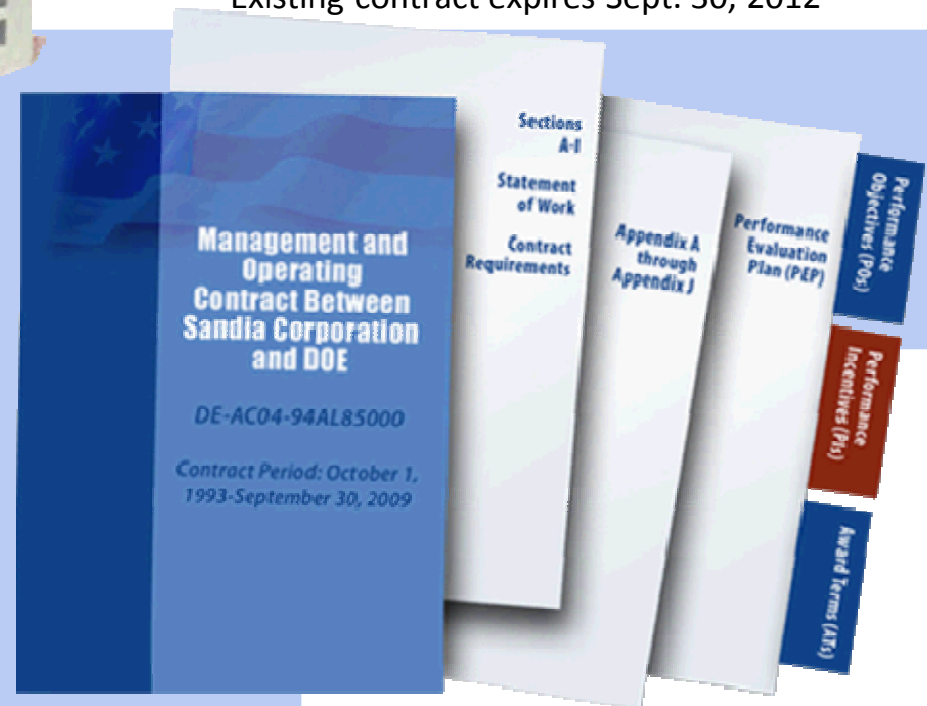


Government owned, contractor operated



Sandia Corporation

- AT&T: 1949–1993
- Martin Marietta: 1993–1995
- Lockheed Martin: 1995–present
- Existing contract expires Sept. 30, 2012



Federally funded
research and development center



Sandia's sites

**Albuquerque,
New Mexico**



**Livermore,
California**



Tonopah, Nevada



**Waste Isolation Pilot Plant,
Carlsbad, New Mexico**



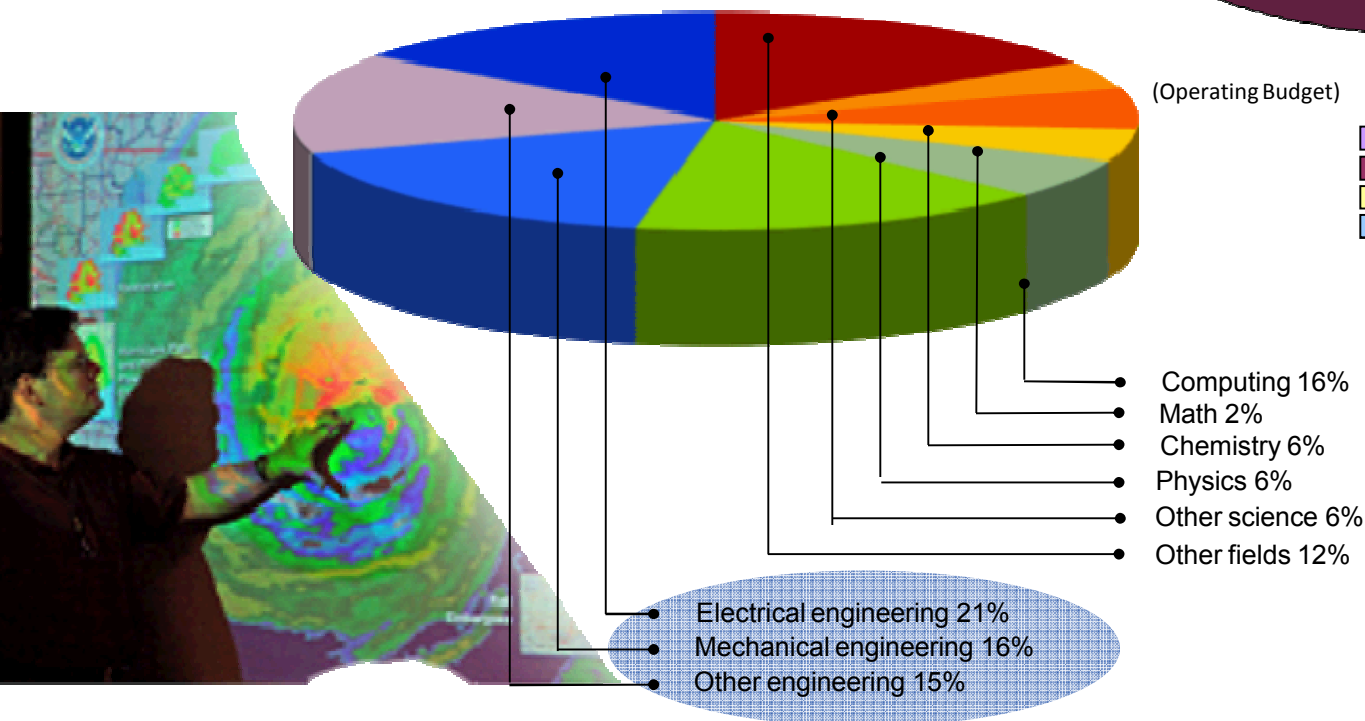
Pantex, Texas



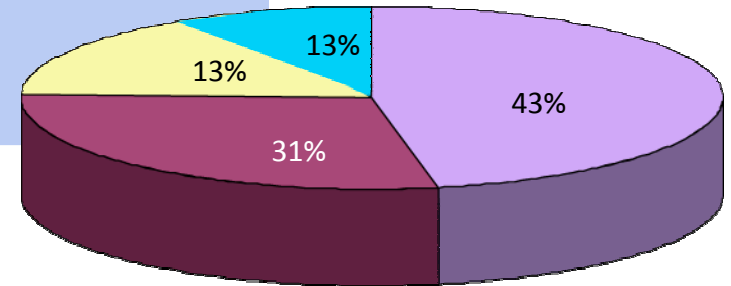
Workforce and Budget

- On-site workforce: 11,677
- Regular employees: 8,607
- Gross payroll: ~\$900 million

Technical staff (4,277) by discipline:



FY10 operating revenue
\$2.3 billion



(Operating Budget)

- Nuclear Weapons
- Defense Systems & Assessments
- Energy, Climate, & Infrastructure Security
- International, Homeland, and Nuclear Security



Center 6500 – Weapon and Force Protection



Organization 6510

**Air Force Nuclear
Security**

Randy Peterson



Organization 6520

Navy Nuclear Security

Jennifer Nelson



Organization 6530

**Intelligent Systems, Robotics,
and Cybernetics**

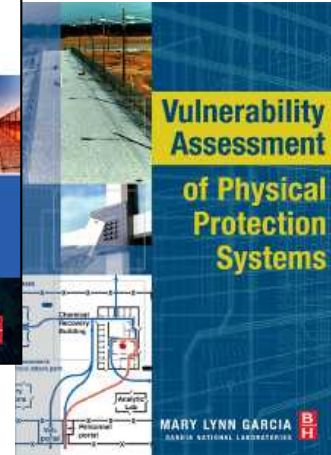
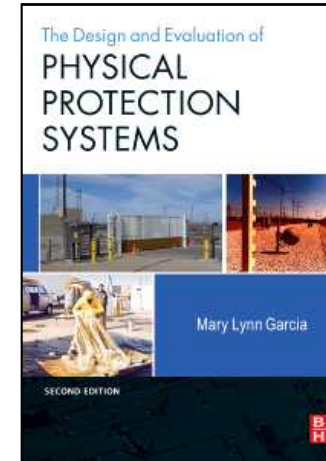
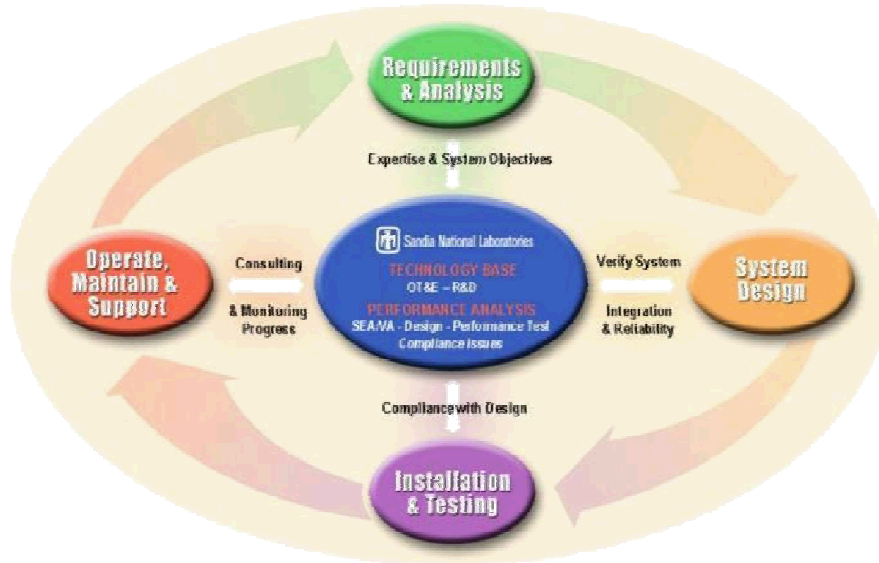
Phillip Heermann



Physical Security



Physical Security - Model of Success



Systems Engineering = Optimized Performance

Honest Broker = Long-Standing Governmental Partnerships
“System Performance is our focus....no loyalty to industry or profit”

Sandia provides world-wide security training
“We write the books on Security”



Physical Security Methodology

*Balanced Approach
for Optimal Security*



DETECTION



DELAY

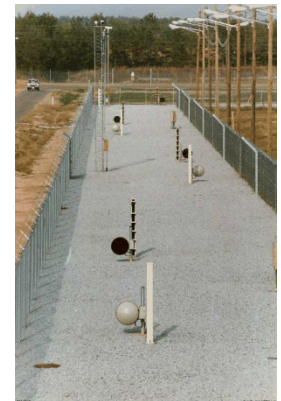
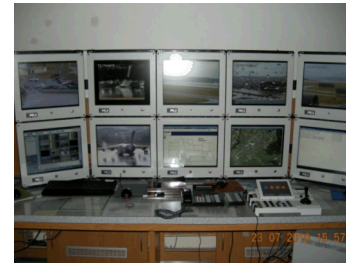
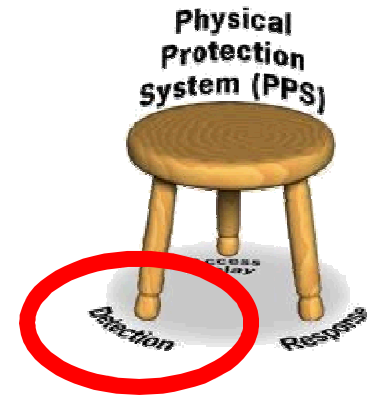


RESPONSE



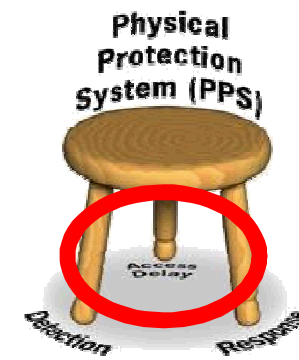
Detection Subsystems

- Microwave
- Infrared
- Vibration
- Fiber Optics
- Sniper
- CBRNE, Cyber
- Early Warning
- Virtual Perimeter
- Video Motion Detectors



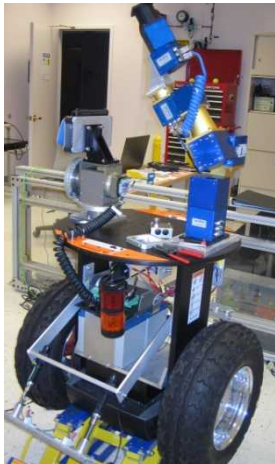
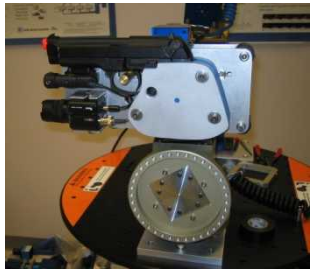
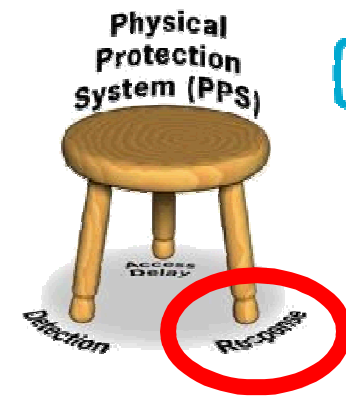
Delay Subsystems

■ Passive and Active



Response Subsystems

- Training
- Response Time



Intelligent Systems, Robotics, and Cybernetics



Sandia's Expertise

- Advanced Controls
- Enhanced Perception
- Cybernetics
- Innovative Mechanical Design
- Robust Manipulation
- Unique Mobility
- Fail-Safe Design and Integration

