SAND2010-0305C

Sandia National Laboratories

"Exceptional Service in the National Interest"

Dr. Leonard M. Napolitano, Jr.

Director, Computer Sciences and Information Systems

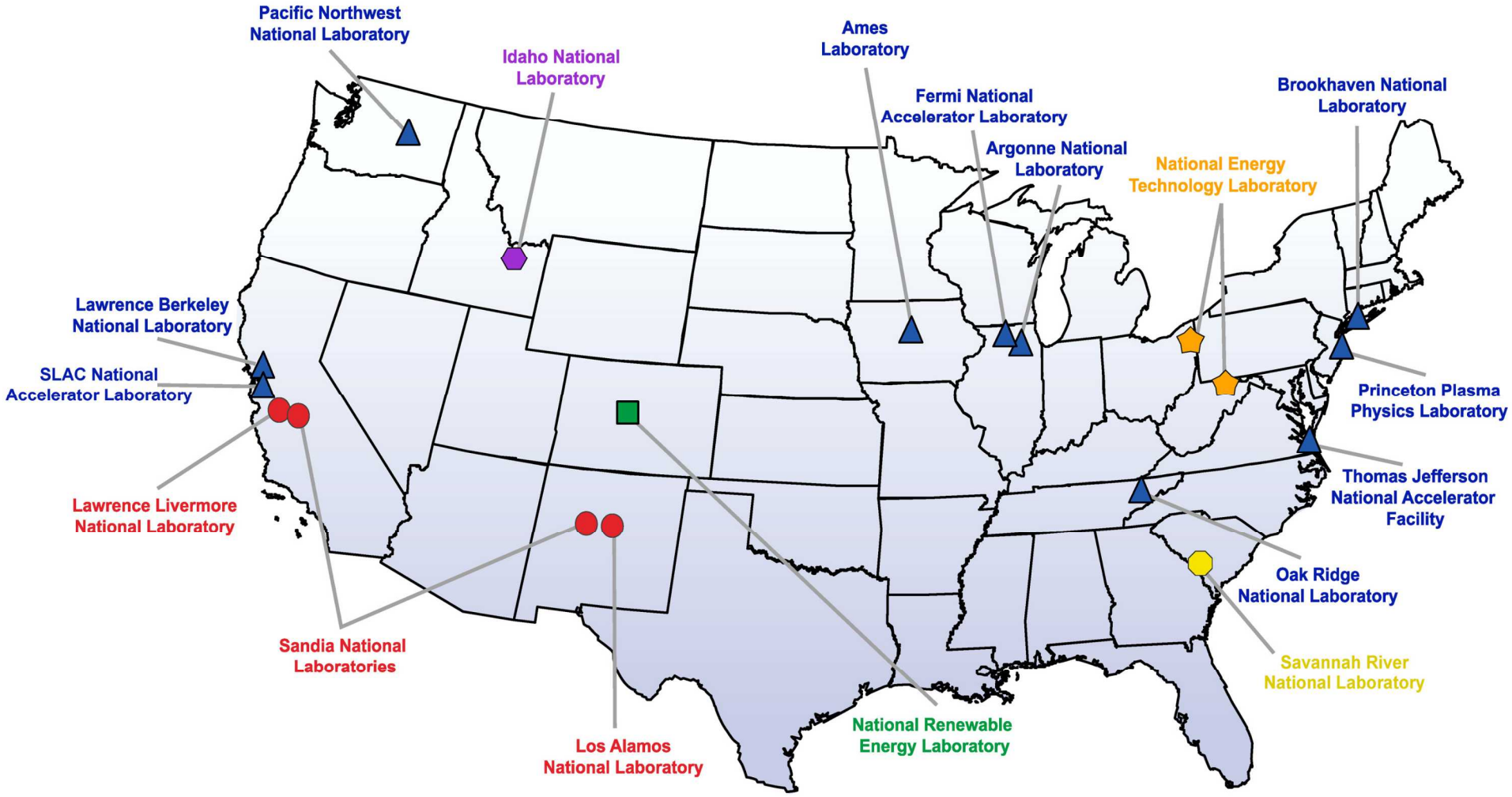
Dr. Ronald E. Stoltz

Manager, Advanced Energy Initiatives

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

Sandia National Laboratories

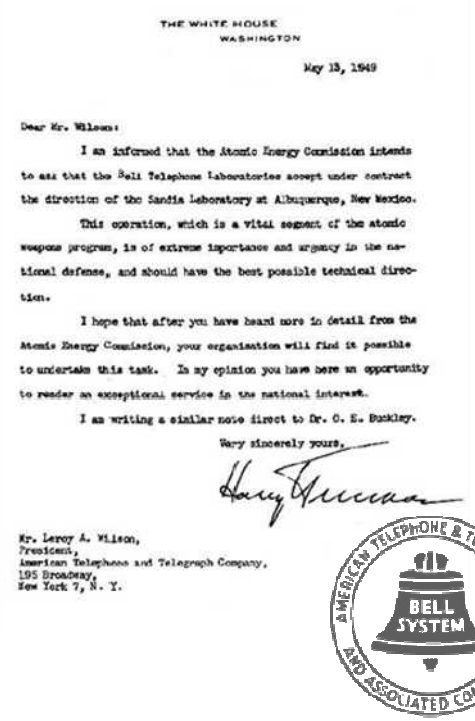
Sandia is part of a network of Department of Energy national laboratories



The DOE national labs employ over 100,000 scientists, engineers and technical support personnel.

Sandia National Laboratories

Sandia was founded 60 years ago as an engineering science laboratory



THE WHITE HOUSE
WASHINGTON

May 13, 1949

Dear Mr. Wilson:

I am informed that the Atomic Energy Commission intends to ask that the Bell Telephone Laboratories accept under contract the direction of the Sandia Laboratory at Albuquerque, New Mexico.

This operation, which is a vital segment of the atomic weapons program, is of extreme importance and urgency in the national defense, and should have the best possible technical direction.

I hope that after you have heard more in detail from the Atomic Energy Commission, your organization will find it possible to undertake this task. In my opinion you have here an opportunity to render an exceptional service in the national interest.

I am writing a similar note direct to Mr. O. E. Buckley.

Very sincerely yours,

Harry Truman

Mr. Leroy A. Wilson,
President,
American Telephone and Telegraph Company,
195 Broadway,
New York 7, N. Y.

AMERICAN TELEPHONE & TELEGRAPH CO.
BELL SYSTEM
AND ASSOCIATED COMPANIES

Sandia National Laboratories

We operate two major laboratory facilities: New Mexico and California

Lab Facts

~8400 employees
>11,000 people
~ 1500 Ph.D. staff
~$2.4B budget (FY10)
~$1.5B DOE funding
~60 percent WFO funding

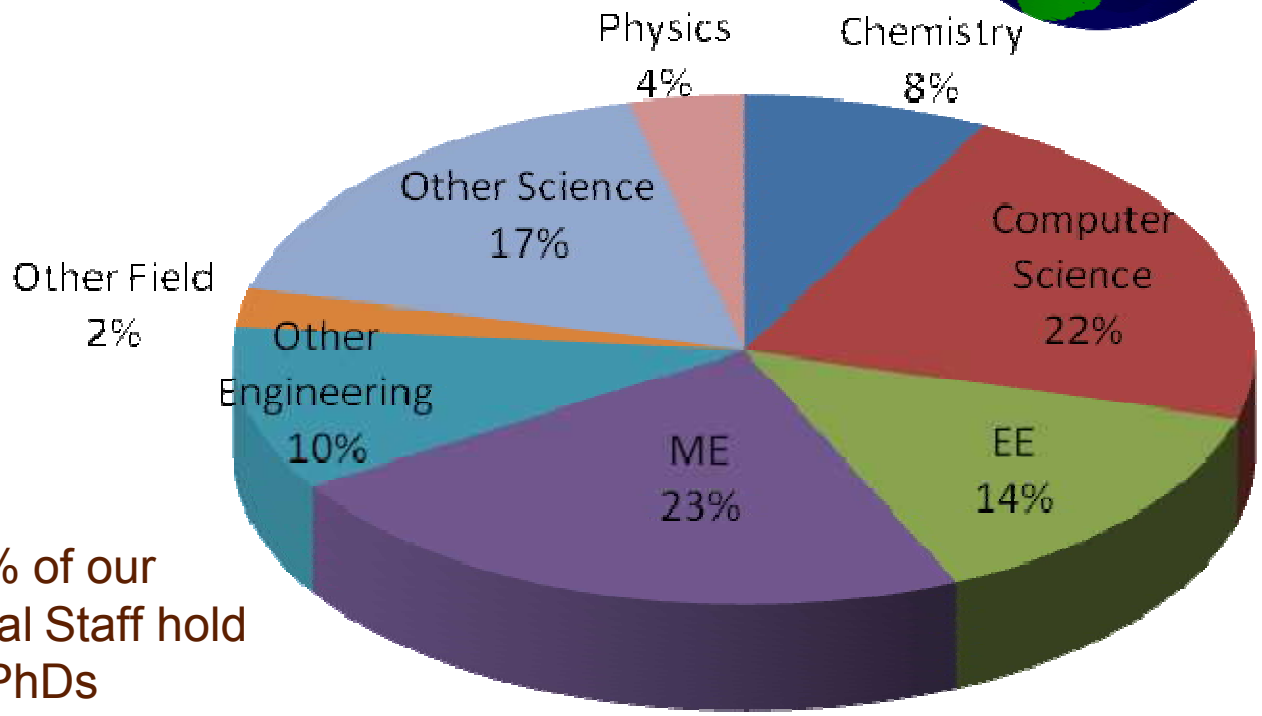
Sandia National Laboratories

Sandia CA workforce overview

Total California Workforce – 1130

Sandia California Payroll - $102 M

Includes 60 highly-talented international scientists



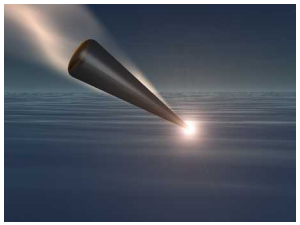
45% of our Technical Staff hold PhDs

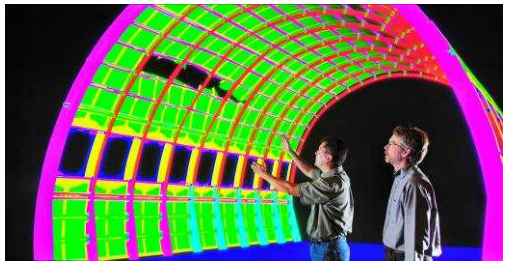
Sandia National Laboratories

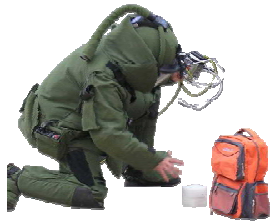
Our scientists and engineers focus on four major security areas

Information Science & Security

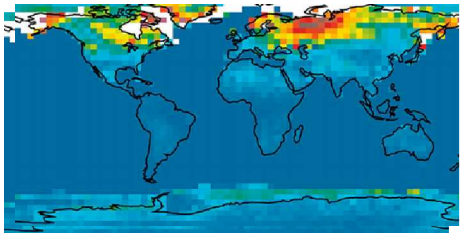
Nuclear/Explosives Science & Security



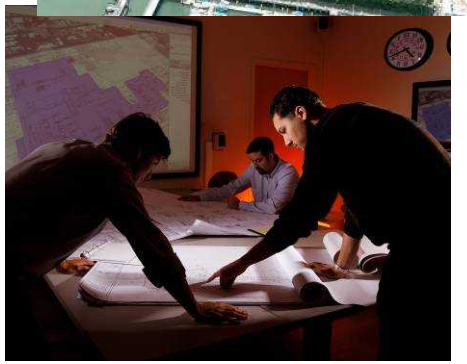


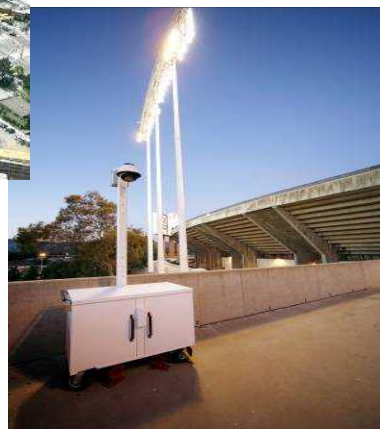


Transportation Energy & Security



Chem / Bio Science & Security



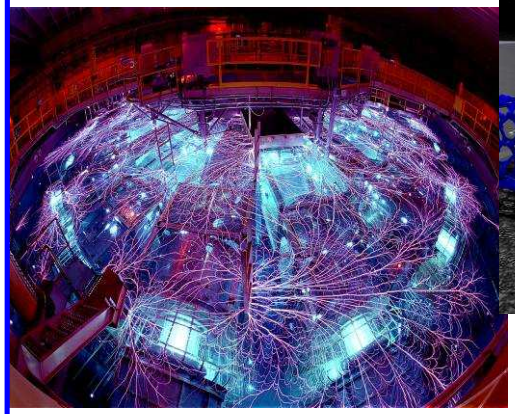


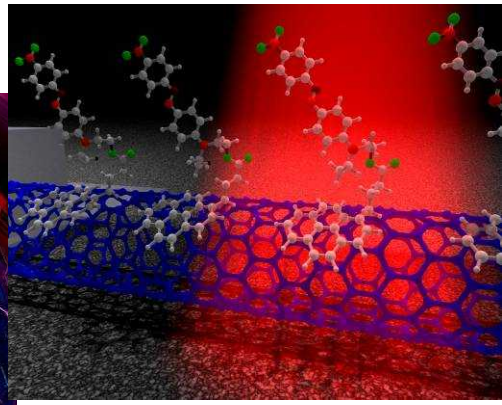
Sandia National Laboratories

We have exceptional tools to address the nation's most complex problems

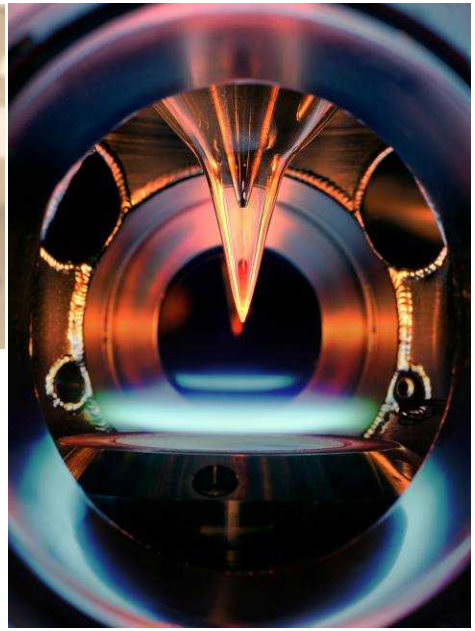
Computer Science

Pulsed Power

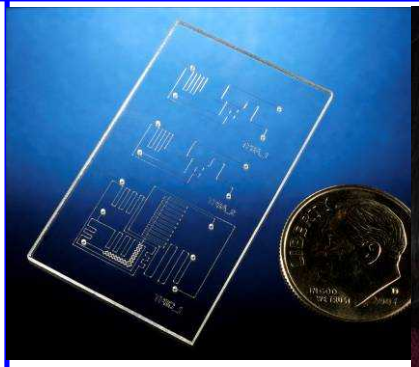




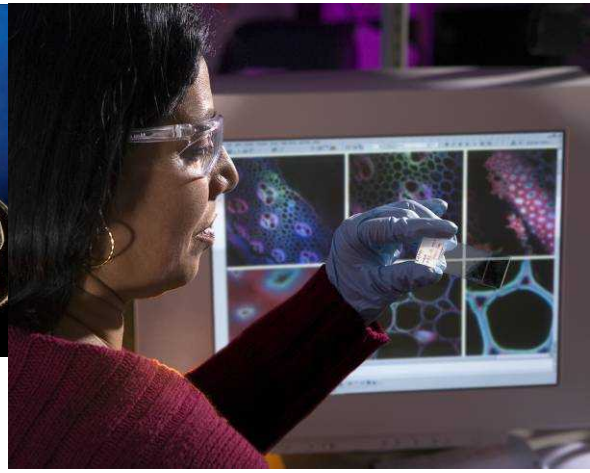
Materials science



Engineering sciences



Microelectronics



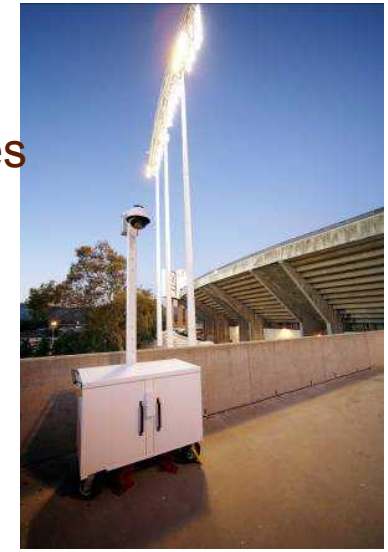
Bioscience

Sandia National Laboratories

How does Sandia enable facility operators to respond to chemical and biological attacks?

Airports and subways

Stadiums and major event venues

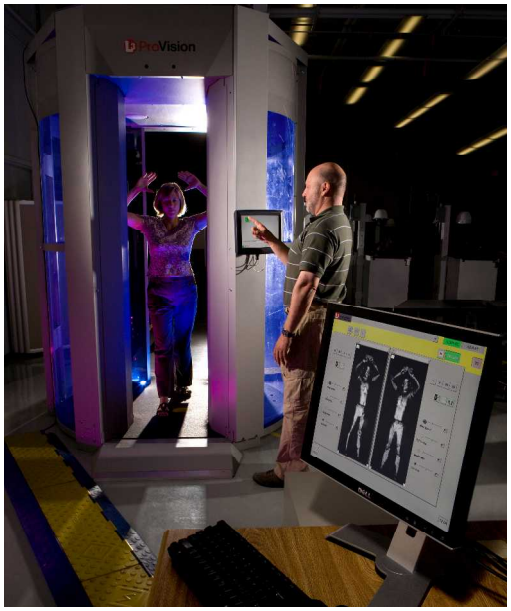


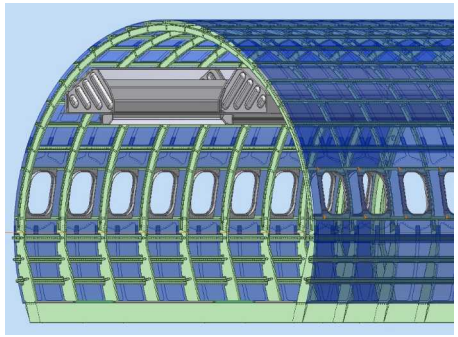
We operate a 24/7 crisis center for chem/bio incidents

Sandia National Laboratories

How do we protect citizens from radiation and explosives while keeping traffic and people moving?

Seaports and border crossings

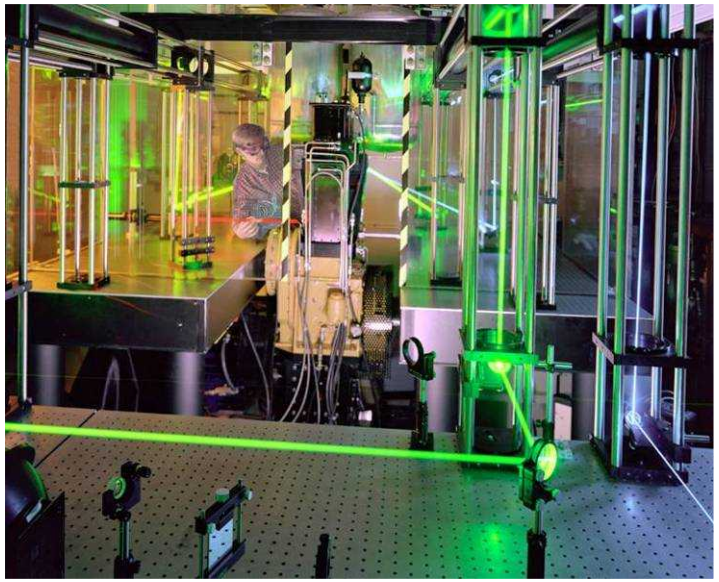


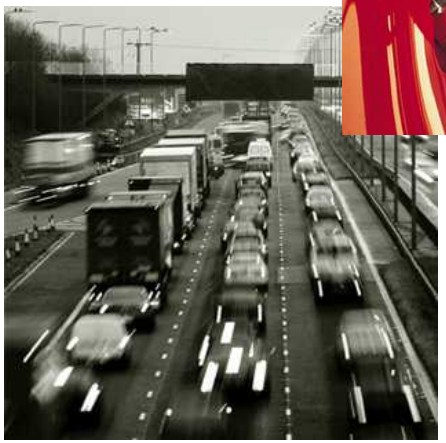


Airplanes,
airports and subways

Sandia National Laboratories

How has Sandia's CRF helped improve the efficiency and cleanliness of auto and truck engines?





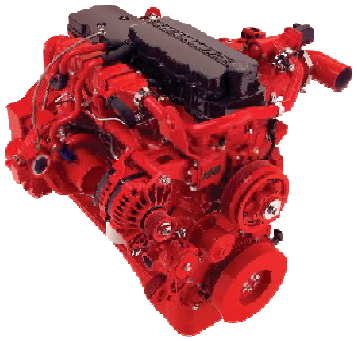
Ford
GM
Cummins
CHRYSLER
GE
CATERPILLAR
INTERNATIONAL
DETROIT DIESEL
JOHN DEERE
Sandia National Laboratories
OAK RIDGE NATIONAL LABORATORY
MANAGED BY UT-BATTELLE FOR THE DEPARTMENT OF ENERGY
Lawrence Livermore National Laboratory
ARGONNE NATIONAL LABORATORY
Los Alamos NATIONAL LABORATORY
ExxonMobil
Shell Global Solutions
ConocoPhillips
Chevron
bp

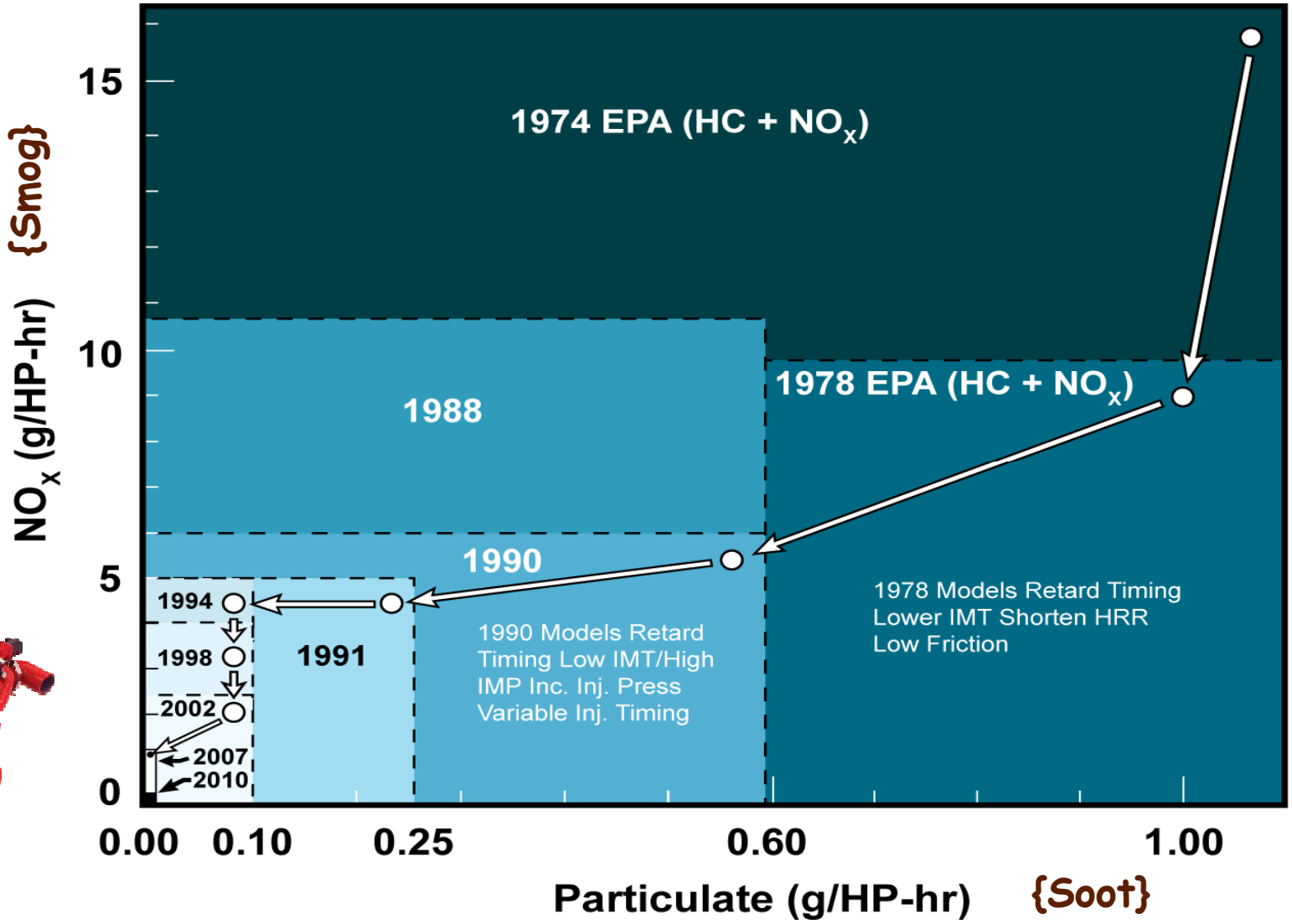
International / university collaborations

Industrial partnerships

Sandia National Laboratories

Today's diesel engines are cleaner and more efficient due to work at Sandia's Combustion Research Facility





Cummins 6.7 liter diesel:
Dodge 2500/3500 pickups

Sandia National Laboratories

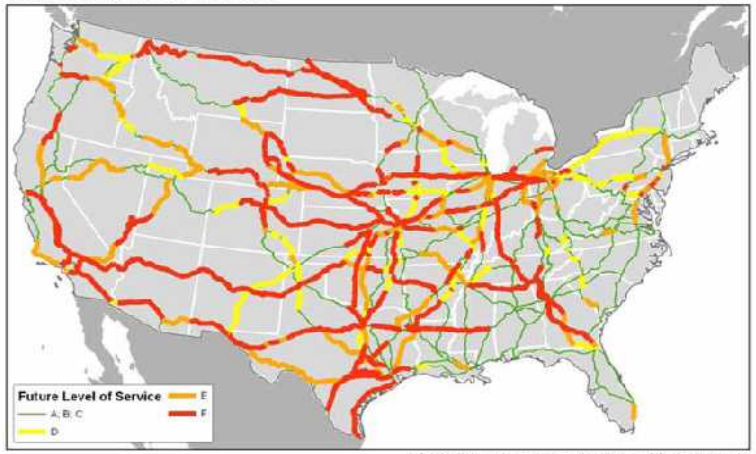
How is Sandia helping to incorporate biofuels into the transportation fuel mix?

GM/Sandia feasibility study:

Is 90 billion gallons of ethanol possible??

Future Corridor Volumes Compared to Current Corridor Capacity

2035 Without Improvements



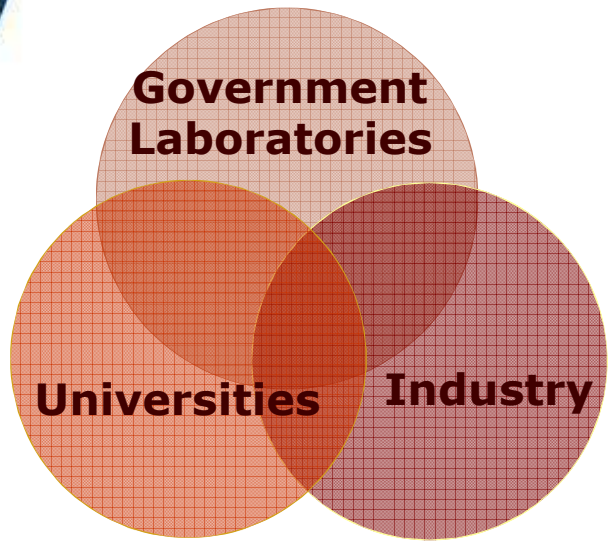
Note: Volumes are for the 85th percentile day

Advanced biofuel: beyond ethanol

jbei
Joint BioEnergy Institute

Sandia National Laboratories

Our partners span the region, the nation, and the globe



Lawrence Livermore National Laboratory

Berkeley Lab

The University of Texas

Yale

University of Wisconsin System

Harvard

NUS National University of Singapore

Tsinghua University

Chevron

intel

IBM

hp invent

P&G

GOODYEAR

LOCKHEED MARTIN

Sandia National Laboratories

Sandia is an exciting and fulfilling place to work, and we are expanding our staff

Sandia National Laboratories