

Leveraging a Rich Tradition of Premier Science and Technology

Ensuring national security has been Los Alamos National Laboratory's core mission for more than 60 years. From fundamental research in biology and global climate to problems related to nuclear nonproliferation, energy and infrastructure, and countermeasures to nuclear and biological threats, outstanding science underpins the Laboratory's past, present, and future.

Forging Strategic Partnerships with Industry

In order to share our innovations with the private sector, the Laboratory's Technology Transfer (TT) Division strives to forge strategic relationships with industry. We offer a variety of ways for industry to partner with us:

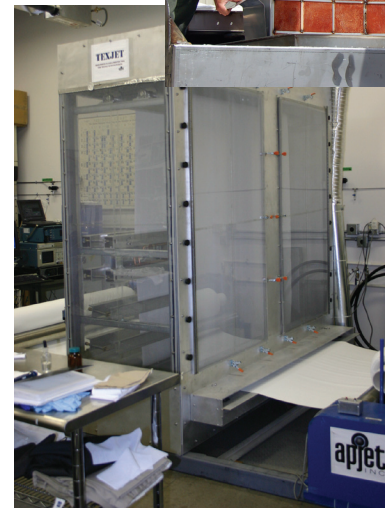
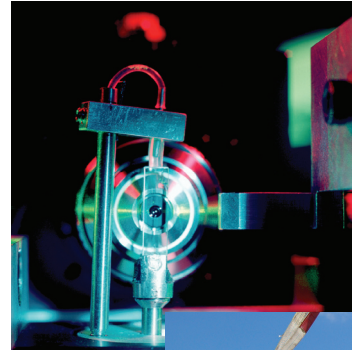
- license agreements
- cooperative research and development agreements (CRADAs)
- industry funds-in (Work-for-Others) contracts
- personnel exchanges
- technical consulting and assistance
- access to unique research staff and user facilities.

Protecting and Licensing the Laboratory's Intellectual Property

TT Division works with the Laboratory Counsel to ensure protection of the Laboratory's intellectual property through patents and copyrights. Intellectual property protection enables us to negotiate, execute, and administer commercial, noncommercial, and government licenses for the Laboratory on behalf of Los Alamos National Security LLC, manager of the Laboratory. Through these agreements, we create vital links between the Laboratory and the private sector, leading to innovative and effective solutions to problems that affect the Laboratory, the private sector, and society.

Nurturing Startups

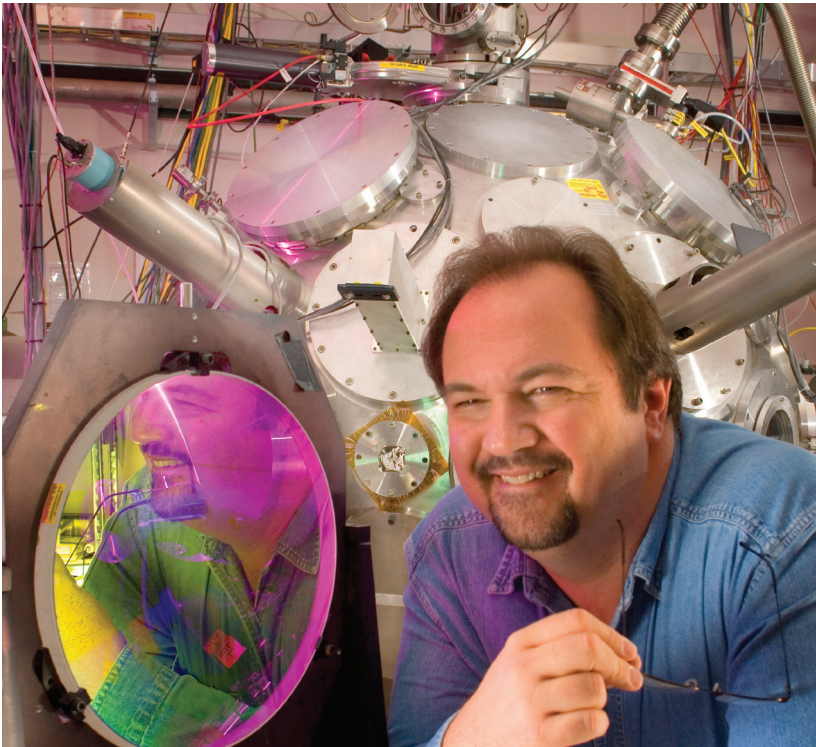
The Laboratory has instituted a variety of mechanisms to encourage the creation of new businesses based on Laboratory technology and expertise. TT works with our technical staff to assess and package technologies that could form the basis of a new company. The Laboratory maintains an Entrepreneurial Leave-of-Absence Program that allows employees to support these new ventures while maintaining ties with the Laboratory. In addition, TT works with investors, existing small businesses, and entrepreneurs to inform them about new commercialization opportunities, training and networking events, and business assistance through TT Division's MBA Internship Program.



Life sciences industry giant Invitrogen recently acquired Los Alamos startup, Acoustic Cytometry Systems (ACS) Inc., established to commercialize the Laboratory-developed Portable Acoustic Cytometry (PAC) technology.

CleanAIR Systems Inc., recently introduced a new product that incorporates the Lab technology called the E-POD™—a hybrid technology designed for large diesel and natural gas stationary engines that dramatically reduces emissions. It has been installed in the oil and gas fields of Wyoming.

APJEt's textile and plastic coating machine treats a bolt of fabric using the APPJ® technology.



David Montgomery heads the Laboratory's Trident high-power laser facility, available to researchers nationwide to explore high-energy-density physics.

About Los Alamos National Laboratory

Our national security depends on science and technology, and the United States relies on Los Alamos National Laboratory for the best of both. No place on Earth pursues a broader array of world-class scientific endeavors, and no one else collaborates on national security science in as many technical disciplines.

Ever since the Lab's start as a secret Manhattan Project laboratory, world-class scientists at Los Alamos have applied their energy and creativity to solving the nation's most challenging problems. That tradition continues. As one of the U.S. Department of Energy's multiprogram, multidisciplinary research laboratories, Los Alamos thrives on having the best people doing the best science to solve problems of global importance.

Los Alamos scientists discover, develop, and perfect the means to protect our nation against nuclear attack, bioterrorism, and energy shortages, from work in weapons design and plutonium research to climate modeling and nuclear detection and forensics. They strive to understand and minimize the devastating effects of pandemics, from AIDS to avian flu. They create technologies for exploration and security in space while they further our understanding of seismic forces and environmental issues on our own planet.

Even in our rapidly changing world, the Laboratory's workforce continues to lead the way with innovative scientific and engineering solutions to meet many of the nation's most crucial challenges.

Fast Facts

People

11,782 total employees	
Los Alamos National Security, LLC	9,665
SOC Los Alamos (Guard Force)	477
Contractors	524
Students	1,116

Place

Located 35 miles northwest of Santa Fe, New Mexico on 36 square miles of DOE-owned property.

More than 2,000 individual facilities, including 47 technical areas with 8 million square feet under roof.

Operating Costs FY 2010: approx. \$2 billion

- 51% NNSA weapons programs
- 8% Nonproliferation programs
- 6% Safeguards and Security
- 11% Environmental Management
- 4% DOE Office of Science
- 5% Energy and other programs
- 15% Work for Others

Workforce Demographics (*LANS and students only*)

42% of employees live in Los Alamos, the remainder commute from Santa Fe, Española, Taos, and Albuquerque.

Average Age: 45

- 67% male, 33% female
- 43% minorities
- 72% university degrees
 - 31% hold undergraduate degrees
 - 19% hold graduate degrees
 - 22% have earned a Ph.D.

Major Awards

- 121 R&D 100 awards since 1978
- 28 E.O. Lawrence Awards
- The Seaborg Medal
- The Edward Teller Medal