

# Lawrence Livermore National Laboratory

## Management and Operations

*Effective management, efficient business practices and safe, secure, environmentally responsible operations provide the essential foundation for LLNL's mission activities.*

Lawrence Livermore National Laboratory (LLNL) is committed to achieving simultaneous excellence in science and operations and to being a responsible steward of the resources entrusted to us. LLNL aims for continuous improvement in safety, security and environmental stewardship. These considerations are explicitly designed into all Laboratory activities. Success in both science and operations depends on teamwork, and teamwork depends on people. The Laboratory strives to recruit, develop and sustain an outstanding, diverse workforce with the range of skills needed to meet its mission needs today and in the future.

The Director's Office Principal Directorate and the Operations and Business Principal Directorate are responsible for providing the myriad functions that comprise the Laboratory's management and operational infrastructure.

### Security

LLNL engages in a wide range of national security-related activities, including operations with nuclear materials and the handling of sensitive information. An extensive physical and cyber security infrastructure is in place, and is continually tested and upgraded, to protect Laboratory personnel, information, property and nuclear material against current, evolving and anticipated threats. LLNL applies the principles of Integrated Safeguards and Security Management to explicitly incorporate security into the planning, management and execution of all Laboratory activities.

### Environment, Safety and Health

A robust ES&H program ensures that the wide range of activities conducted at the Laboratory are performed in a manner that protects the health and safety of employees and the public, preserves the environment and prevents property damage. Under LLNL's Integrated Safety Management System, facility

Robust systems are in place, including an integrated safety management system, continually enhanced security capabilities, an ISO-certified environmental management system, and best-practices financial and performance management systems, to ensure the Laboratory meets its commitment to excellence in operations as well as science.

and operational safety procedures are designed to reduce and manage risks and environmental stewardship is integrated into the planning and execution of all Laboratory activities.

### Business and Operations

A full spectrum of support services keeps the Laboratory running efficiently and cost-effectively. Centralized management of facilities and infrastructure provides full life-cycle stewardship of LLNL's site, from design and construction, to maintenance and operation, to demolition and environmental restoration. Fiscal accountability is ensured through the use of integrated finance and budget services, including best-practice financial systems and performance-based budgeting. Streamlined business systems, including integrated supply chain management, and modern information and communications services enhance efficiency and reduce costs.





## Workforce

The scientific, technical and operational challenge of LLNL's mission requires a workforce of exceptionally talented, skilled and dedicated employees. The Laboratory takes a strategic approach toward recruiting, developing and sustaining a diverse workforce with the critical skills required to meet today's and tomorrow's national security needs. Its compensation, benefits, career development and employee services programs are market-competitive and are designed to recognize and reward employee performance.

## Management

The Laboratory applies best-in-class management practices to enable it to meet its contractual obligations while facilitating programmatic success and mission execution. Implementation of work breakdown structures, the Earned Value Management

System and other project management techniques allow LLNL to effectively carry out large, complex projects with transparency and accountability. An integrated Contractor Assurance System provides the information and insight necessary to allow the Laboratory to accurately track progress toward its contract deliverables and to provide assurance to stakeholders and customers that the Laboratory is successfully meeting or exceeding its performance requirements.

## LLNL at a Glance

**Location:** Livermore, California

**Mission:** Multi-program national security science and technology

**Type:** Government-owned, contractor-operated, federally funded research and development center

**Contract Operator:** Lawrence Livermore National Security, LLC

**Principal Sponsor:** U.S. Department of Energy, National Nuclear Security Administration

**Website:** [www.llnl.gov](http://www.llnl.gov)

### Physical Assets:

- Main site: 459 facilities on 820 acres
- Site 300: 189 facilities on 7,000 acres
- 7.0 million gross square feet in active operational buildings
- Replacement plant value: \$4.3 billion

### Human Capital:

- 6,450 employees (including limited-term employees and post-doctoral fellows)
- 2,860 scientists and engineers (including 1,440 PhD's)
- 300 facility users, visiting scientists, teachers, and students

**FY 2009 Costs:** \$1.497 billion



LLNL is optimizing the environmental sustainability of its facilities and operations. Two Laboratory buildings, an office building and the one-of-a-kind Terascale Simulation Facility, recently earned "green building" certification, and efforts to certify other facilities are in progress.

For more information, contact the LLNL Public Affairs Office, P.O. Box 808, Mail Stop L-3, Livermore, California 94551 (925-422-4599) or visit our website at [www.llnl.gov](http://www.llnl.gov).

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