



National laboratory

What does the national laboratories do?

The National Laboratories are committed to advancing Science, Technology, Engineering, and Mathematics (STEM) in our nation's schools. The National Laboratories are a diverse and inclusive career destination for the next generation of scientists and engineers aspiring to make an impact through their research.

How many national laboratories are there?

The Department of Energy's 17 National Laboratories are powerhouses of science and technology. The National Laboratories are committed to advancing Science, Technology, Engineering, and Mathematics (STEM) in our nation's schools.

How are the 17 National Laboratories transforming science and Technology?

The transformative science and technology solutions being discovered across the 17 National Laboratories are changing the way the world sees innovation. The Department of Energy's 17 National Laboratories are powerhouses of science and technology whose researchers tackle some of the world's toughest challenges.

Why should you work at the National Laboratories?

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Why do we have 17 National Laboratories?

The U.S. Department of Energy's 17 National Laboratories lead the nation in advancing the frontiers of scientific knowledge, keeping our nation secure, and fueling our clean energy economy. The innovation at the heart of the Laboratories' past and future success benefits from the fusion of diverse talents and inclusive perspectives.

What is the Energy Department's 17 national labs?

The Energy Department's 17 National Labs tackle the critical scientific challenges of our time-- from combating climate change to discovering the origins of our universe -- and possess unique instruments and facilities, many of which are found nowhere else in the world.

Advanced supercomputing . The National Labs operate some of the most significant high performance computing resources available, including 32 of the 500 fastest supercomputers in the world.

People. Our total workforce is about 14,150, including roughly 13,200 with Triad National Security, LLC, 330 guard force, and 620 contractors. Our workforce also has about 1,200 unionized craft workers, 1,800 students,



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460 postdoctoral researchers, and 860 veterans.

Research teams in the Division of Chemical and Biological Sciences conduct fundamental and applied studies of how to control and manipulate chemicals and biological materials. We work to develop new catalysts that enable more efficient chemical reactions, discover new ways to convert plants to biofuels, understand how solvents affect chemical reactions, and how ...

THE LAB DIRECTORS. The head of each independent National Laboratory is the Laboratory Director. Together, the Directors form the National Laboratory Directors' Council (NLDC), an independent body that coordinates initiatives and advises the Department of Energy and other Laboratory stakeholders.

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THE NHLS CURRENT TESTING SITES Click to download list National Health Laboratory Service Supporting national and provincial health departments in the delivery of healthcare. The NHLS has laboratories in all of South Africa's nine provinces. Our services include: Research, Teaching and Training, Production of Sera for Anti-Snake Venom and Diagnostic Laboratory Services.

The National Laboratories have been improving lives for more than 80 years. From innovations in energy technologies and sustainable building design to medical discoveries and improved national security, National Laboratory ...

Pacific Northwest National Laboratory is a leading center for scientific discovery in chemistry, data analytics, and Earth science, and for technological innovation in sustainable energy and national security.

The Department of Energy's 17 National Laboratories are powerhouses of science and technology. The National Laboratories are committed to advancing Science, Technology, Engineering, and Mathematics (STEM) in our nation's schools.

4 days ago· As one of 17 national labs in the U.S. Department of Energy complex, Idaho National Laboratory is home to more than 5,900 researchers and support staff focused on innovations in nuclear research, renewable energy systems and security solutions that are changing the world. Our 890-square-mile site houses an exceptional array of scientific expertise, equipment and ...

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Our testing proficiency is substantiated by our accreditation. NLRC's testing facilities have earned accreditation from both the Emirates National Accreditation System (ENAS) and the International Accreditation Service (IAS), in accordance with the ISO/IEC 17025:2017 standard.

The National Laboratories offer a wide range of jobs, internships, and fellowships in scores of scientific and engineering disciplines. The Laboratories are also invested in career growth, offering multiple opportunities for upward mobility through mentoring, leadership training, and rotational/temporary assignments....

In 2022, Lawrence Livermore National Laboratory made history by demonstrating fusion ignition for the first time in a laboratory setting. Read about the people, facilities, capabilities and decades of tenacity that made this achievement ...

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The National Laboratories are invaluable assets to the Department and our Nation. For 75 years, the National Laboratories have delivered tremendous scientific and technological impact against the United States' greatest national needs.

The Engineering Laboratory (EL) promotes U.S. innovation and industrial competitiveness in areas of critical national priority by anticipating and meeting the measurement science and standards needs for technology-intensive manufacturing, construction and cyber-physical systems, including the Smart Grid Program Office, in ways that enhance economic ...

Throughout 2024, the Idaho National Laboratory (INL) will celebrate its 75 th anniversary. Established in 1949 by the United States Atomic Energy Commission as the National Reactor Testing Station, researchers at the Idaho site have conducted groundbreaking science and technologies that have powered American prosperity while ensuring national security and ...

About NREL. At the National Renewable Energy Laboratory (NREL), we focus on creative answers to today's energy challenges. From breakthroughs in fundamental science to new clean technologies to integrated energy systems that power our lives, NREL researchers are transforming the way the nation and the world use energy.

Argonne is a multidisciplinary science and engineering research center, where scientists and engineers answer questions, from how to obtain affordable clean energy to protecting ourselves and our environment. The laboratory works in concert with universities, industry, and other national laboratories to discover new ways to



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develop energy innovations through science, ...

Brookhaven National Laboratory applies its expertise and world-class facilities to pressing scientific questions about everything from the fundamental forces of nature to the complex interactions of ecosystems and the environment. Our cutting-edge explorations reveal processes that unfold across the smallest and largest scales of time and space imaginable--from the ...

The National Renewable Energy Laboratory (NREL) is transforming energy through research, development, commercialization, and deployment of renewable energy and energy efficiency technologies.

Fermilab and Spain sign agreement to strengthen collaboration on the Deep Underground Neutrino Experiment The new memorandum of understanding will elevate the collaboration between the Spanish Ministry of Science and Fermilab in developing detection systems and the physics of the Deep Underground Neutrino Experiment.

ORNL is a US Department of Energy laboratory that conducts research and development in energy, security, and other fields. It has a diverse and innovative workforce, collaborates with various partners, and offers access to unique ...

The term national laboratory may generically refer to any government-operated or -sponsored laboratory. In the United States, laboratories that have "National Laboratory" in their name include: United States Department of Energy national laboratories

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