National laboratories

How many national laboratories are there?

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

What is a National Lab?

National Lab scientists and engineers have led the world in developing safe, efficient and emissions-free nuclear power. Starting with the first nuclear reactor to generate electricity, National Labs have been the innovation engine behind the peaceful use of nuclear energy.

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.

Why is the National Laboratories important?

An outgrowth of immense investment in scientific research initiated by the U.S. Government during World War II,the National Laboratories have served as the leading institutions for scientific innovationin the United States for more than seventy years.

How are the 17 National Laboratories transforming science and Technology?

The transformative science and technology solutionsbeing 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.

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.

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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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 ...

National Public Health Laboratory - About us National Public health Laboratory (NPHL) is the government national reference laboratory under the Department of health services (DoHS) and Ministry of Health and Population (MoHP).

We advance fundamental research in nuclear and particle physics to gain a deeper understanding of matter, energy, space, and time; apply photon sciences and nanomaterials research to energy challenges of critical importance to the nation; and perform cross-disciplinary research on computation, sustainable energy, national security, and Earth"s ecosystems.

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 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.

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 ...

The report highlights the scientific and technological achievements of the National Laboratories in addressing the nation"s greatest needs. It also outlines the challenges and opportunities for the future of the National ...

We are a national lab with Pacific Northwest roots and global reach. Whether our researchers are unlocking the mysteries of Earth"s climate, helping modernize the U.S. electric power grid, or safeguarding ports around the world from nuclear smuggling, we accept great challenges for one purpose: to create a world that is safer, cleaner, more prosperous, and more secure.

The National Laboratories are committed to advancing Science, Technology, Engineering, and Mathematics (STEM) in our nation"s schools. This commitment is more important than ever as fewer U.S. college graduates pursue degrees in STEM fields.

ONL capabilities are spread across five states (AL, FL, MD, NJ and NY). These laboratories and sites are national assets to DHS operational components and partners, and anchor a science, technology, engineering and math ...

Brookhaven National Laboratory delivers discovery science and transformative technology to power and secure the nation"s future. Primarily supported by the U.S. Department of Energy"s (DOE) Office of Science, Brookhaven Lab is a multidisciplinary laboratory with seven Nobel Prize-winning discoveries, 37 R& D 100 Awards, and more than 70 years of pioneering research.

OverviewThe laboratories and their research missionNational Scientific User FacilitiesHistoryIn popular cultureFurther readingExternal linksThe United States Department of Energy National Laboratories and Technology Centers is a system of laboratories overseen by the United States Department of Energy (DOE) for scientific and technological research. The primary mission of the DOE national laboratories is to conduct research and development (R& D) addressing national priorities: energy and climate, the environment, national security

Scientists at the U.S. Department of Energy"s Argonne National Laboratory joined the global fight against the COVID-19 pandemic in January 2020, as the disease was just beginning to reach the United States. Since then, Argonne"s researchers and powerful scientific facilities have made a difference in the fight against COVID-19 in many different areas, from laying the groundwork for ...

Exceptional service in the national interest Our unique responsibilities in the nuclear weapons program create a foundation from which we leverage capabilities, enabling us to solve complex national security problems. National Priorities We strive to become the laboratory that the U.S. turns to first for technology solutions to the most challenging problems that threaten peace [...]

Savannah River National Laboratory is the U.S. Department of Energy Office of Environmental Management"s national laboratory. In this role, SRNL applies its unique expertise and applied technology capabilities to assist DOE sites across the nation in meeting their environmental and legacy management missions.

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.

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 scientists and engineers are inventing solutions that make America and the world safer, healthier, and more sustainable.

The National Laboratory System. The national laboratory system is comprised of 17 of the country"s top

scientific research facilities. The laboratories are owned by the U.S. Department of Energy and house many of the world"s top scientists and engineers, as well as unique equipment, some of which is unmatched anywhere else in the world.

Oak Ridge National Laboratory is the world"s premier research institution, empowering leaders and teams to pursue breakthroughs in an environment marked by operational excellence and engagement with the communities where we live and work. ...

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