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Global Security Overview

Solving National Security Challenges

Nancy Jo Nicholas

Associate Laboratory Director, Global Security

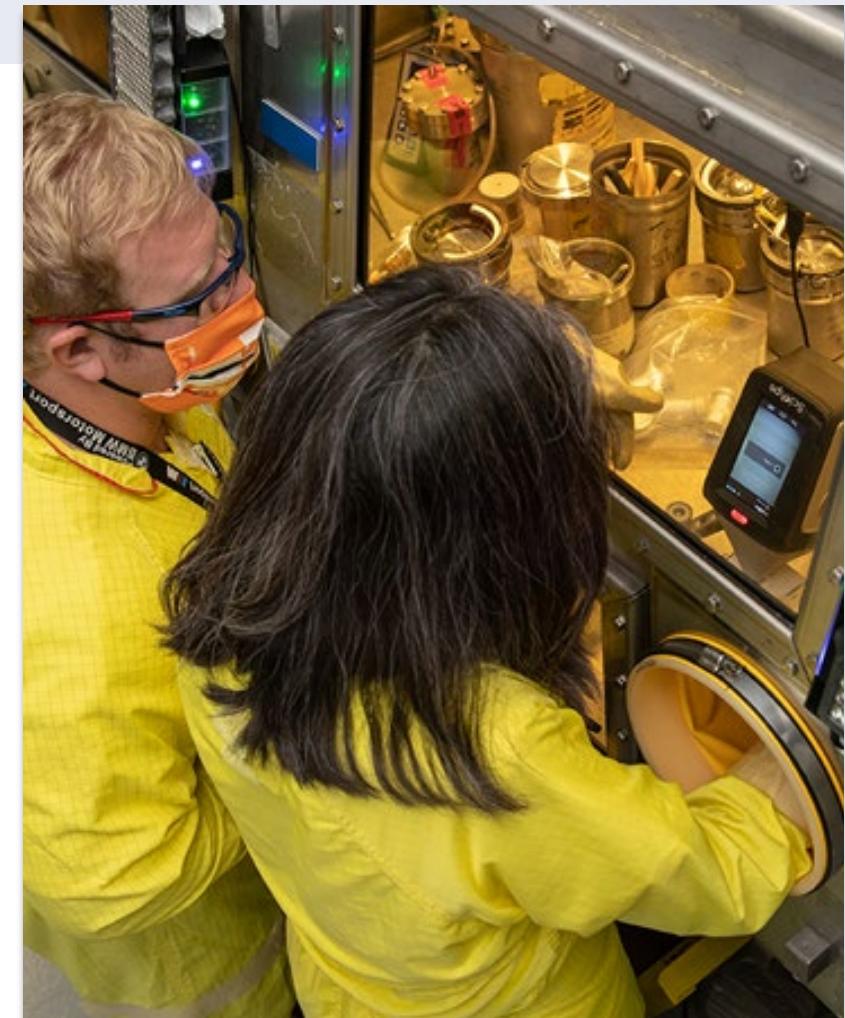
June 12, 2024

More than 80 years serving the nation

- In 1943, **Los Alamos National Laboratory** was founded with a single, urgent purpose: to build an atomic bomb
- Today, LANL focuses on maintaining a strategic nuclear deterrent to protect the nation's security
- Our workers, facilities, and instruments:
 - Detect nuclear weapons and improvised devices
 - Promote cooperation and diplomacy
 - Limit nuclear arms and the spread of nuclear materials, technology, and expertise
 - Advance the frontiers of science and engineering



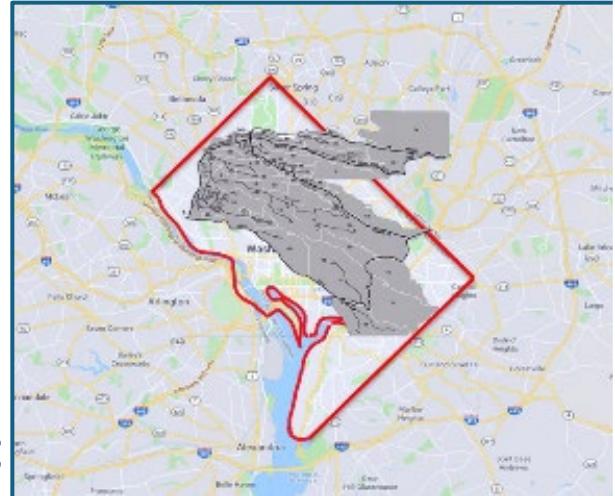
It takes a weapons lab to find a weapons lab



Employees manipulate materials inside a glovebox at TA-55.

Los Alamos delivers national security solutions

- We are dedicated to addressing complex national security issues and the world's most difficult challenges
 - By applying multidisciplinary science, technology & engineering capabilities;
 - In unique experimental, computational, and nuclear facilities;
 - With an agile, responsive, and innovative workforce;
 - And by partnering with peer institutions for mission success



\$4.5B budget

40 square miles,
47 technical areas

727 bldgs.,
7.6M sq ft.

13 nuclear
facilities

17,000 +
workers

13,000 career
employees

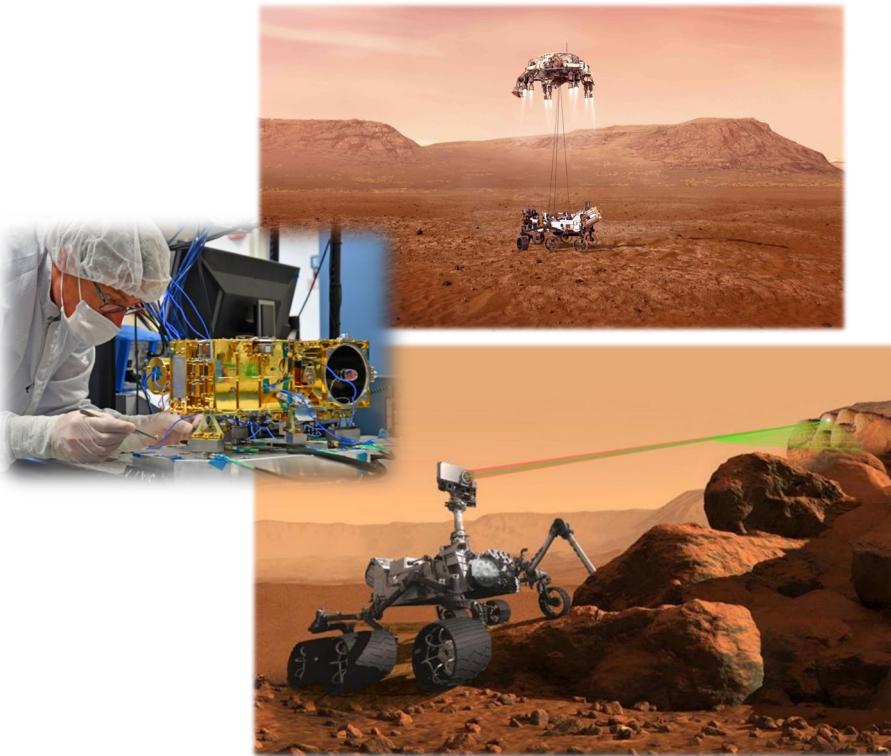
2,400 students,
550 postdocs

Employee
average age: 42

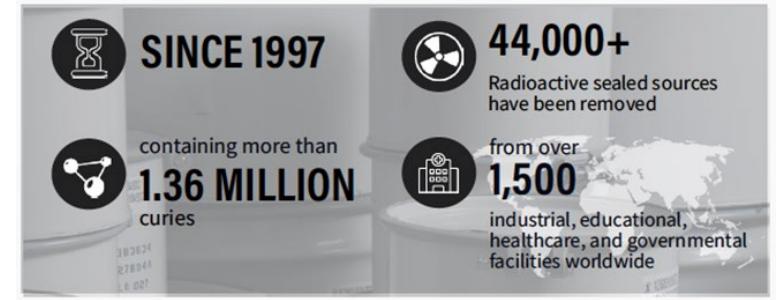
67% male;
33% female
49% minorities

40% of employees
are native New
Mexicans

Global Security programs at LANL leverage, and support, Weapons Program capabilities



Extreme Engineering: The Perseverance rover is equipped with seven scientific instruments, two of which were developed in part at Los Alamos



Source handling: Off-site Source Recovery Program for domestic transuranic and large beta and gamma sources that do not have a commercial disposition pathway

SNM Handling: Training IAEA Safeguards Inspectors is a core element of LANL's safeguards program

