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Los Alamos NATIONAL LABORATORY

Global Security Overview
Solving National Security Challenges

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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

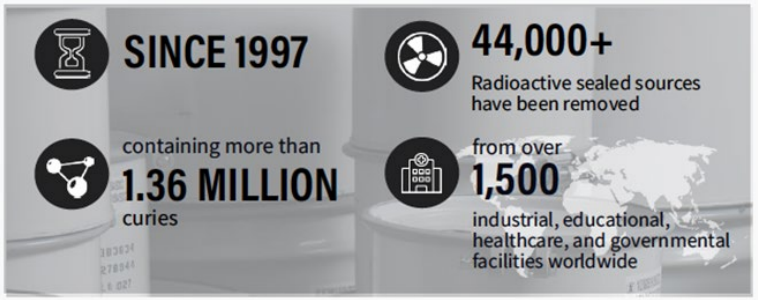
Employees manipulate materials inside a glovebox at TA-55.

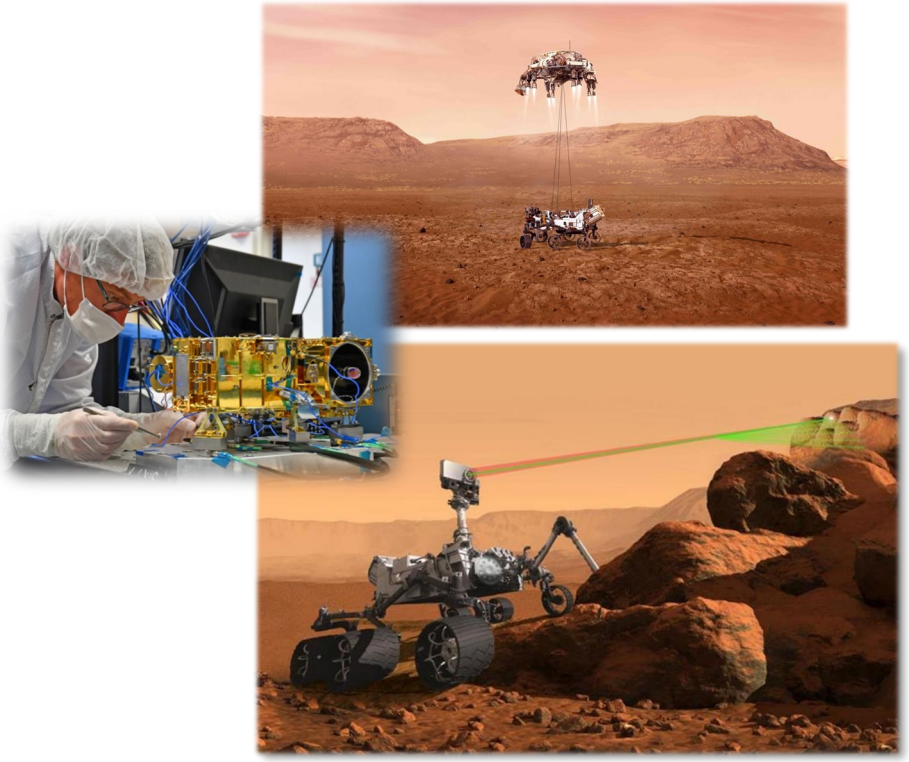
Los Alamos delivers national security solutions

- **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

LANL Statistics
$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