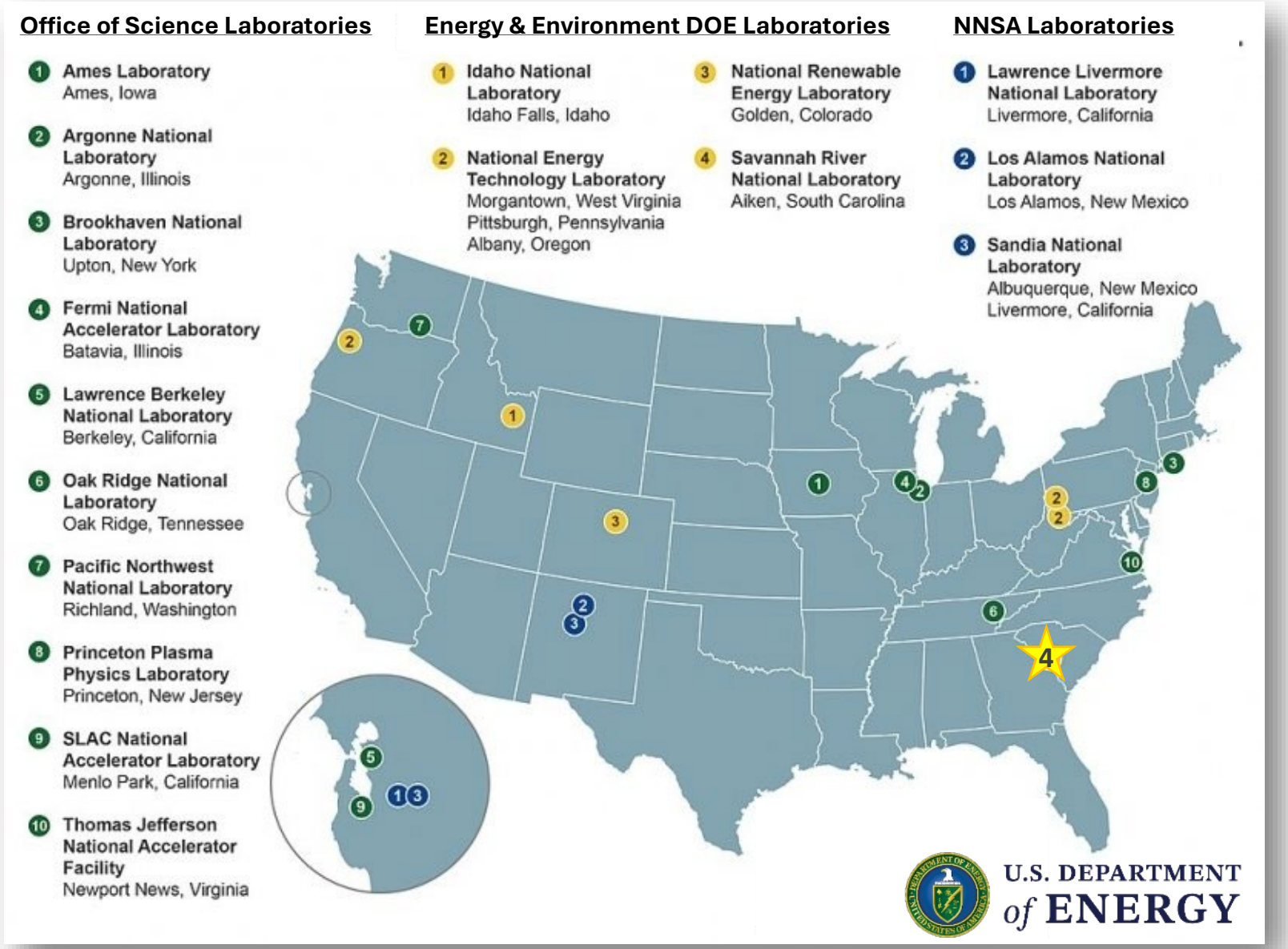
SRNL®
SAVANNAH RIVER NATIONAL LABORATORY

Science That Secures, Protects and Powers the Nation

Johney Green, Laboratory Director
November 7, 2025

17 National Laboratories

A network of federally funded research centers managed by the Department of Energy to conduct large-scale, complex research and development in energy, scientific discovery, and national security.



SRNL: Enduring Impact, Inspired Future

1951 – 1990
The Cold War Years

1991 – 2003
Post-Cold War Years

2004
DOE National Laboratory

2021 – Present
Road to Independence

Our aspiration is to be the nation's premier national laboratory in applied science and engineering, consistently delivering innovative solutions for national security, environmental stewardship, and energy resilience.

Driving Discovery Through Teamwork

SRS Contractors

- **Battelle Savannah River Alliance, LLC**
  Management and operations of Savannah River National Laboratory
- **Centerra Group, LLC**
  SRS Security
- **Savannah River Mission Completion, LLC**
  Liquid waste operations
- **Savannah River Nuclear Solutions, LLC**
  Management and operations of SRS
- **University of Georgia**
  Savannah River Ecology Laboratory

The Savannah River Site

SRS is a 310-square-mile site located near Aiken, S.C., on the Savannah River, which borders South Carolina and Georgia. SRS covers 198,046 acres, including parts of Aiken, Barnwell and Allendale counties in South Carolina. The SRS annual budget is approximately $3.8 billion, with a workforce of about 12,700.

BSRA

CENTERRA SAVANNAH RIVER SITE

UNIVERSITY OF GEORGIA SAVANNAH RIVER ECOLOGY LABORATORY 1785

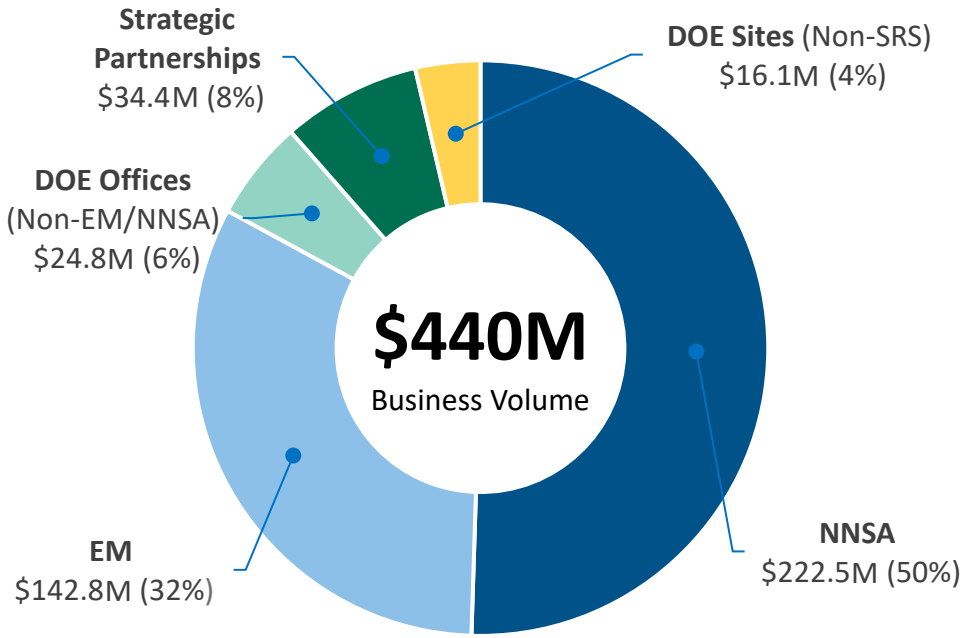
SRNS

SRMC

SRNL At-a-Glance

- 1400+ employees
- 39-Acre Campus located on the Savannah River Site
- 15 nuclear facilities:
  - 200,000 square-feet of radiologically controlled laboratories
  - 73,000 square-feet in leased facilities
- Advanced Manufacturing Collaborative Facility
  - 63,000 square-feet of lab and office space

FY 2025 Program Execution



SRNL Leadership Team

(*Effective January 2026)

Director's Office

Johney Green
Laboratory Director and President, Battelle Savannah River Alliance

Trina Mackie
Chief of Staff

Tammy Taylor
Deputy Laboratory Director, Science & Technology

Dana Hewit
Deputy Laboratory Director, Chief Operating Officer

Science and Technology

Brian Bluhm
Associate Lab Director Global Security

Patrick Garcia
Associate Lab Director, Weapons Production Technology

Eric Pierce*
Associate Lab Director Environmental & Legacy Management

Roderick Jackson*
Associate Lab Director Science, Engineering & Innovation

Dale Sivils
Director, Plutonium Processing Program

Operations

Joseph Campbell
General Counsel

Christian Cooper
Director, Internal Audit

V. Suzy Fowler
Director, Environmental, Health, Safety & Quality

Marilyn Foxall
Chief Human Resources Officer

Debbie Mann
Chief Financial Officer

Sandi Oswald
Chief Information Officer

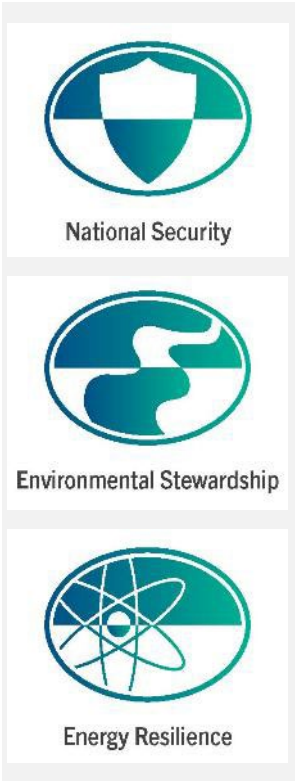
Vayl Oxford
Director, Government Relations

Jennifer Palmer
Director, Institutional Planning & Communications

Michael Romero
Director, Operations & Facilities

Solving the Nation's Biggest Challenges

Mission Areas



R&D Priorities

Foundational

- **NS ♦ ES ♦ ER** — Tritium & Hydrogen Isotopes Science
- **NS ♦ ES** — Applied Actinide Science & Technology
- **NS ♦ ES** — Nuclear Materials Science and Sensing
- **NS ♦ ES ♦ ER** — Nuclear Fuel Cycle Optimization and Processing
- **♦ ES ♦** — Environmental Remediation

Emerging

- **NS ♦ ES ♦ ER** — Fusion Fuel Cycle Science
- **NS ♦ ER** — Critical Infrastructure and Grid Resilience Test & Evaluation

Cross-Cutting

- **NS ♦ ER** — Cyber Assurance Test & Evaluation
- **NS ♦ ES ♦ ER** — Applied Advanced Manufacturing & Automation
- **NS ♦ ES ♦ ER** — Decision Science & Artificial Intelligence

NS: National Security ♦ ES: Environmental Stewardship ♦ ER: Energy Resilience

Events and Visits

Showcasing SRNL Excellence During Secretary Wright's Historic Visit

August 6: Secretary Wright engaged directly with SRNL leadership, scientists and technical staff from across the lab – demonstrating innovations in Environmental Cleanup R&D, National Security R&D, Nuclear and Isotope R&D, and Plutonium Pit Production R&D.

AMC Ribbon Cutting – A Milestone for SRNL, DOE & South Carolina

August 7: Secretary of Energy Chris Wright, state and congressional leaders, and many other local stakeholders came together to celebrate the official opening of the AMC.

"The Advanced Manufacturing Collaborative will bring the expertise of the Department of Energy's national labs together with innovators from academia and the private sector with one shared goal: to unleash America's energy potential," – Secretary Wright

Connecting, Showcasing and Advancing Our Mission

SRNL Tour with Senators Jon Ossoff and Senator Raphael Warnock Staff

Collaborations with BRSA Universities

Engagement with Partners in Washington, D.C.

2025 Research SLAM

STEM Grants to Local Teachers

Lunch with Secretary Wright and SRS Partners

In the News

South Carolina TV
In-depth interview and discussion at AMC

Aiken Standard
Guest Column


Guest column: SRNL has expanded its mission over the last 75 years

JOHNEY GREEN JR. GUEST COLUMNIST
APR 18, 2025

Aiken Standard
Announcement of Dana Hewit joining SRNL


SRNL names Dana Hewit as deputy laboratory director for operations

SUBMITTED ARTICLE MYSTORY@AIKENSTANDARD.COM SEP 15, 2025

AIKEN — Savannah River National Laboratory has announced Dana Hewit will join the laboratory mid-October as deputy laboratory director for operations.

Aiken Standard
Research SLAM Story

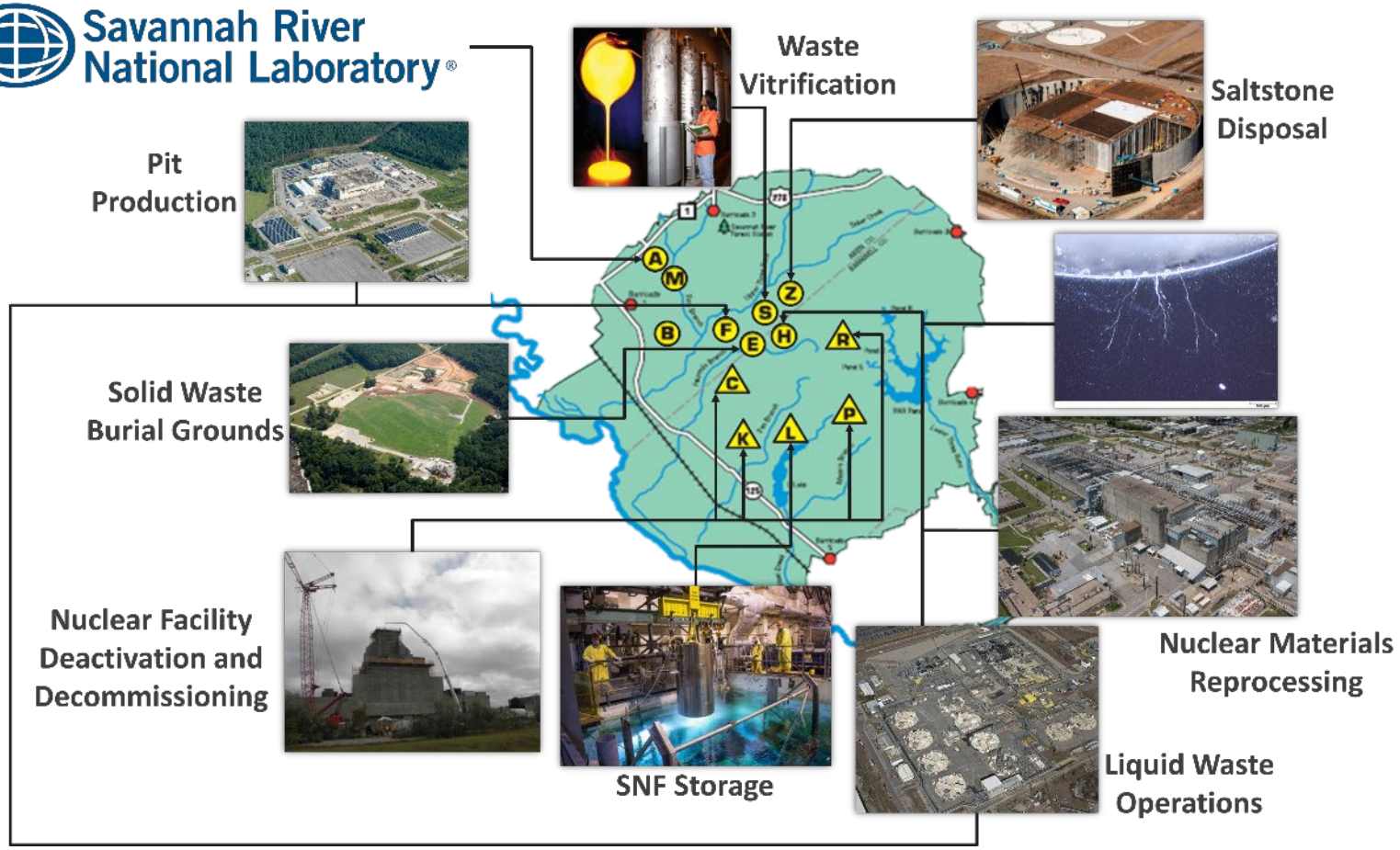

SRNL researcher to present radioactive detection insights in D.C. after competition win in Aiken

ERIN WEEKS EWEEKS@AIKENSTANDARD.COM
AUG 15, 2025

Research Area Highlights

Unlocking AI's Multi-Billion Dollar Value for DOE – AI4EM

Savannah River National Laboratory®



Advancing AI for Monitoring Complex Environmental and Physical Systems

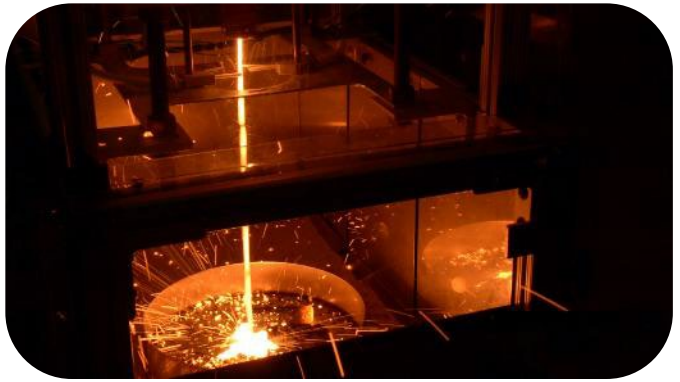
Reduce Costs: **50%+ reduction** in monitoring costs

- Improve Safety
- Accelerate Timelines: **~$1M/day savings** for early facility closure
- Minimize Waste
- Promote US Energy Dominance: Technology transfer to fusion and grid research

Accelerating Nuclear Cleanup

ANCHOR – A National SRNL-Led Initiative

- SRNL is leading a multi-year effort to speed up cleanup of nuclear waste and legacy materials
- Supports national priorities to strengthen U.S. leadership in nuclear energy
- Drives research and technology that can be used in real-world clean up
- Focuses on:
  - Cleanup of existing DOE legacy sites
  - Future cleanup needs from advanced reactors and new nuclear technologies



Unique Federally Owned Multi-Domain Proving Ground

Advanced Technology Proving Ground (ATPG)

Advancing national security by countering emerging threats and fast-tracking the development and implementation of essential technologies to support U.S. government objectives

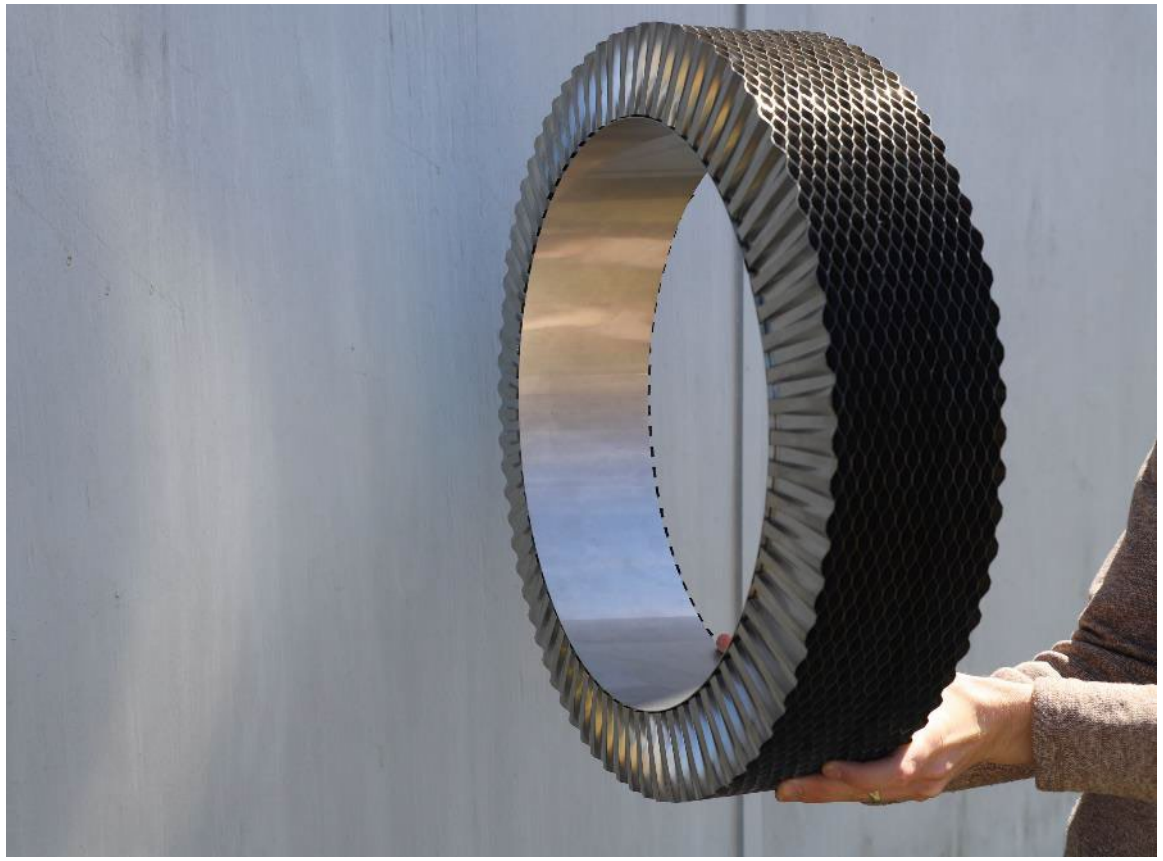
Key Capabilities:

- Isolated High-Voltage Testbed
- Medium Voltage Solid State Transformer
- UAS / C-UAS Capabilities
- Indoor RF Isolated Facility
- Outdoor RF/EMSO Operations
- CBRNE Capabilities

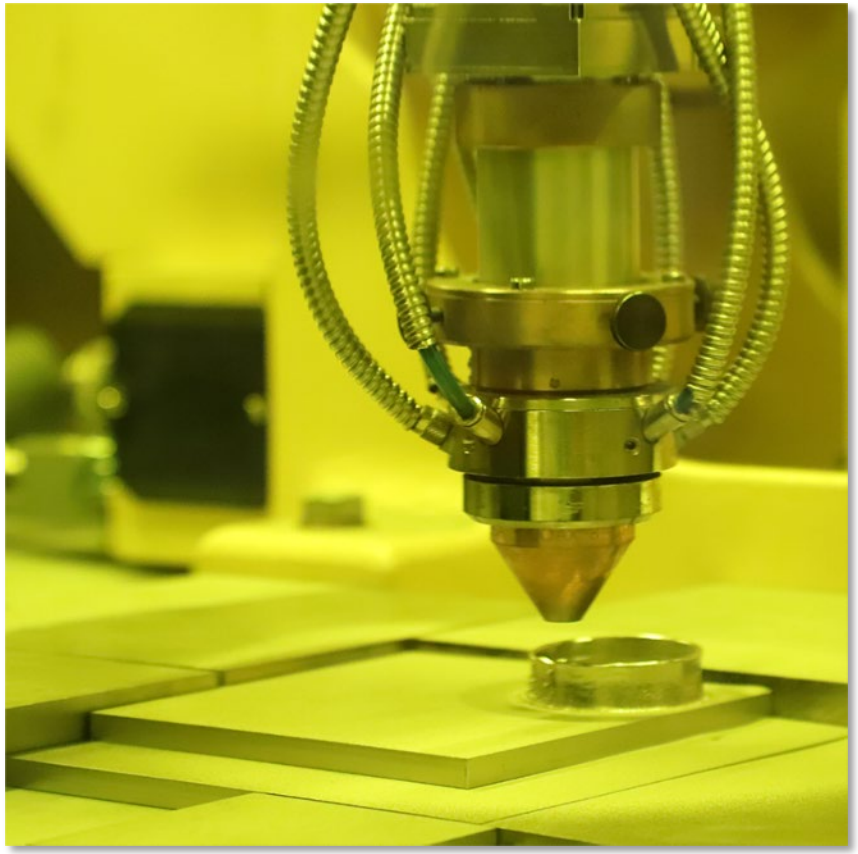
New Patent, Safer Transport

SRNL's honeycomb "airbag" design protects hazardous materials during transport

- U.S. Patent Awarded: Radially Oriented Honeycomb Structures
  - Engineered like an "airbag" for radioactive material transport
  - Curved, corrugated, multi-layered walls absorb impact energy
  - Reduces risk of damage and prevents release of hazardous materials



Developing Solutions for Faster, Smarter Manufacturing



Directed Energy Deposition System

- A custom-built additive manufacturing system
  - 3-kW diode laser enclosed in a Class 1 enclosure
  - Inert glovebox that houses a six-axis robot and two-axis positioner
  - 4 powder feeders
  - Chiller
  - Gas purifier
- Manufactures new alloys and parts faster than traditional manufacturing methods
- Produces multi-material components on-demand

Early FC-FIRE Successes Demonstrate SRNL Leadership

FC-FIRE (Fusion Innovative Research Engine) Collaborative

- Led by SRNL, the team showed early success by demonstrating a scalable synthesis method for silicone elastomers.
- The samples were clear, elastic, and fully cured.
- This new methodology provides a pathway to making larger items with complex geometries, such as shaft seals.
- Future work will focus on minimization of bubbles and defects formed during the casting and curing process.

Los Alamos NATIONAL LABORATORY
GENERAL ATOMICS
Massachusetts Institute of Technology
Tokamak Energy
Canadian Nuclear Laboratories | Laboratoires Nucléaires Canadiens
COLUMBIA

SRNL + Silica-X Win 2025 R&D100 Award

Transforming Waste Glass into Advanced Materials

- Converts landfill glass into high-value foam glass products
- Applications in geotechnical construction and environmental cleanup
- Builds on decades of SRNL glass and ceramic science
- Delivers solutions that are both cost-effective and sustainable
- Application to construction, waste remediation and more

SILICA-X

New Projects

Addressing lab space needs

↑126,545sq.ft.

New Lab Space by CY 2028

Advanced Manufacturing Collaborative
63,000 sq. ft.

Discovery Plaza
30,545 sq. ft.

Joint Institute for Workforce Development
~18,000 sq. ft.

SRNL Collaboration Center/SCIF
~15,000 sq. ft.

♦2026 ♦ ♦2027 ♦ ♦2028 ♦

A Strong Close to 2025

A defining period for SRNL – marked by important progress and meaningful accomplishments that underscore the laboratory's success this fiscal year.

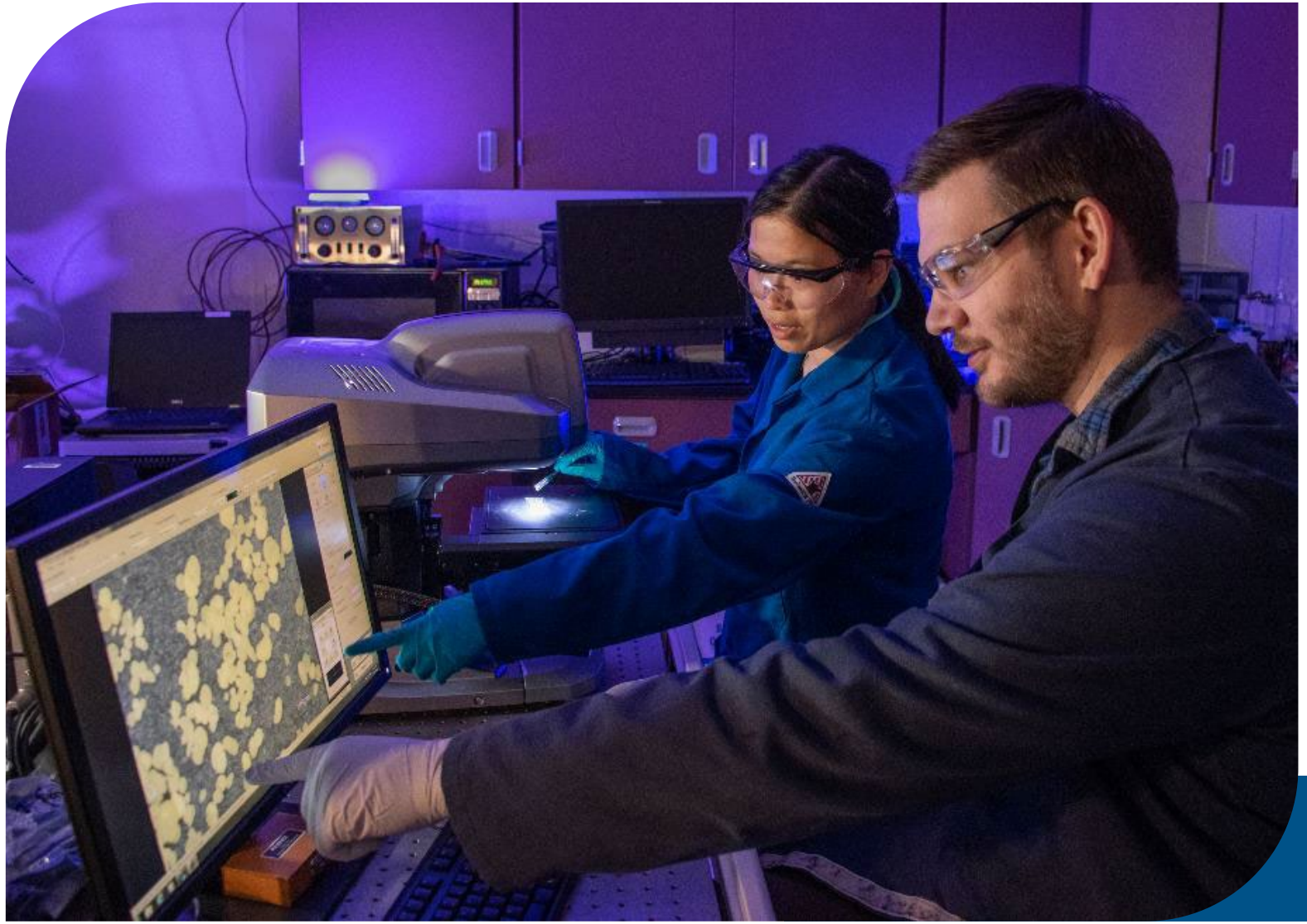
Organizational Changes

Secretary of Energy Visit

AMC Ribbon Cutting

Growing our Footprint for the Future

R&D 100 Award Winner



Thank you!

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