

Savannah River National Laboratory (SRNL) is where bold innovation meets real-world impact. Established during the Cold War, SRNL is a leading national laboratory dedicated to solving complex challenges in national security, environmental stewardship, and energy resilience. As the only lab stewarded by the Department of Energy's Office of Environmental Management, SRNL leverages its unique location within the 310-square-mile Savannah River Site to lead efforts in solving the nation's most complex challenges.

Whether revolutionizing environmental monitoring with AI, advancing fusion energy, or optimizing the nuclear fuel cycle, SRNL is at the forefront of scientific and technological innovation, delivering solutions that secure, protect, and power the nation.

Our Mission in Action

National Security: Protecting What Matters Most



SRNL ensures the safe management and strategic use of critical nuclear materials to strengthen national defense. Our experts advance threat detection, secure nuclear assets, and support essential missions, including nuclear deterrence, nonproliferation, and cyber-physical systems, bolstering security both domestically and globally.

Environmental Stewardship: Building a Better Tomorrow



SRNL leads efforts in environmental restoration and revitalization through cutting-edge technologies and innovative solutions. Our scientists address complex challenges by cleaning up nuclear waste, restoring contaminated water and soil, and driving energy and environmental solutions.

Energy Resilience: Securing America's Energy Future



SRNL drives innovation to strengthen the nation's energy resilience by connecting emerging technologies to real-world applications. Our experts are advancing the fusion fuel cycle, boosting grid resilience, and pioneering critical mineral development to enhance energy efficiency, improve reliability, and promote economic competitiveness.



Fast Facts

- ▶ **70+** years R&D laboratory excellence
- ▶ **2004** designated as national laboratory
- ▶ **1,400+** employees
- ▶ **330,000** square feet of radiological lab space
- ▶ **275** S&T publications last fiscal year
- ▶ **150+** issued patents
- ▶ **\$441 million** business volume in FY25
- ▶ **50+** active partnerships with industry, academia, foundations and governments
- ▶ **2025** R&D100 Award
- ▶ **16** shielded cells facilitating work with high-hazard nuclear materials



Advancing Innovation on National Priorities

SRNL is prioritizing five key initiatives where its unparalleled expertise and advanced infrastructure deliver maximum impact: AI for environmental restoration, the nuclear fuel cycle, grid resilience, nuclear deterrence, and fusion fuel innovation. With 330,000 square feet of radiological laboratory space and cutting-edge facilities for hydrogen isotope processing, tritium management, and fusion research, SRNL is uniquely equipped to drive groundbreaking advancements in these critical areas.



SRNL's Advanced Manufacturing Collaborative is a 63,000-square-foot facility designed for driving innovation through public-private partnerships, giving industry quick access to early-stage R&D.

Partner with Us!

Diversity of thought helps accelerate discovery, which is why SRNL collaborates with partners across government, academia, and industry

Ways to engage with SRNL include:

- Cooperative Research and Development Agreements (CRADAs)
- Strategic partnerships and consortium participation
- Access to specialized facilities and expertise
- Workforce development, internships, and joint appointments



SRNL's Advanced Manufacturing Collaborative facility, conveniently located in Aiken, SC, provides increased access to partnership and collaboration.

Strategic Innovation Initiatives



AI for Environmental Restoration



Nuclear Fuel Cycle and Isotopes



Grid Resilience



Nuclear Deterrence



Fusion Fuel Innovation

Connect With Us



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