



# Enterprise SRS: Asset Revitalization

*Achieving the vision of the Savannah River Site*

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# U.S. Department of Energy - Savannah River Site

## SRS: A history of national service

- Since the early 1950s, the Savannah River Site (SRS) has provided knowledge, technology and integrated solutions for our most pressing national needs.
- SRS pioneered the development of nuclear technologies and deployed those technologies at scales never before imagined.
- SRS accomplishments continue to stand at the core of our nation's nuclear deterrent.



### SRS at a Glance

Established in 1950 to support national defense missions

Produced tritium (only U.S. source) and weapons-grade plutonium

Over 38,000 workers at peak  
(Current workforce is ~11,000)

SRS covers 198,000 acres  
(310 square miles)



### Historic Photos (from left)

R Reactor in 1951

H Canyon in 1952



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## SRS: Current missions are vital to the nation

- SRS is a multi-program Site with national missions:
  - DOE-Environmental Management (EM)
  - National Nuclear Security Administration (NNSA)
- SRS continues its heritage of service to the nation through environmental stewardship, nonproliferation and national security.
  - **Environmental Stewardship**
    - Safe, effective cleanup of Cold War legacy nuclear materials
    - Construction of Salt Waste Processing Facility
    - Groundwater cleanup
  - **Nonproliferation**
    - Construction of Mixed Oxide Fuel Fabrication Facility and Waste Solidification Building
  - **National Security**
    - Nation's only supplier of tritium for the nuclear stockpile



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## *Key Tenets for Asset Revitalization at SRS*

- **SRS will pursue lease arrangements for private-sector or community enterprises that align with site Missions and Vision**
  - SRS is not a Closure Site and the Boundaries will remain intact
- **Seeking ways to put existing assets to greater use to serve DOE needs**
  - SRS is committed to excelling at current missions
- **SRS expands into business segments that capitalize on historic competencies and facilities**
  - Savannah River National Laboratory becomes the central hub
- **SRS supports a broad definition of Asset Revitalization**
  - Includes land, facilities, and intellectual property



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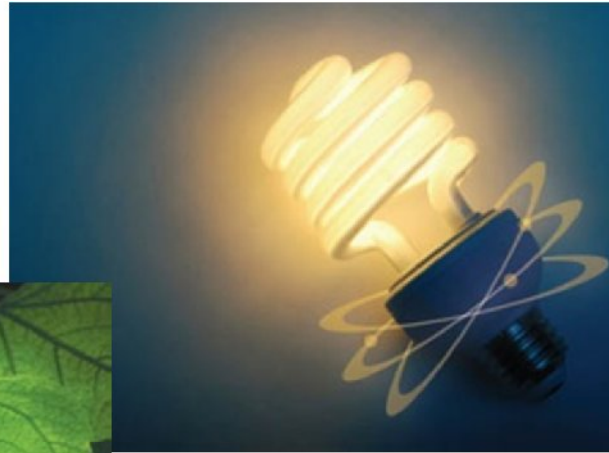


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## Enterprise SRS: Nuclear Knowledge for the Nation

**Environmental  
Stewardship**



**Clean Energy**



**National Security**



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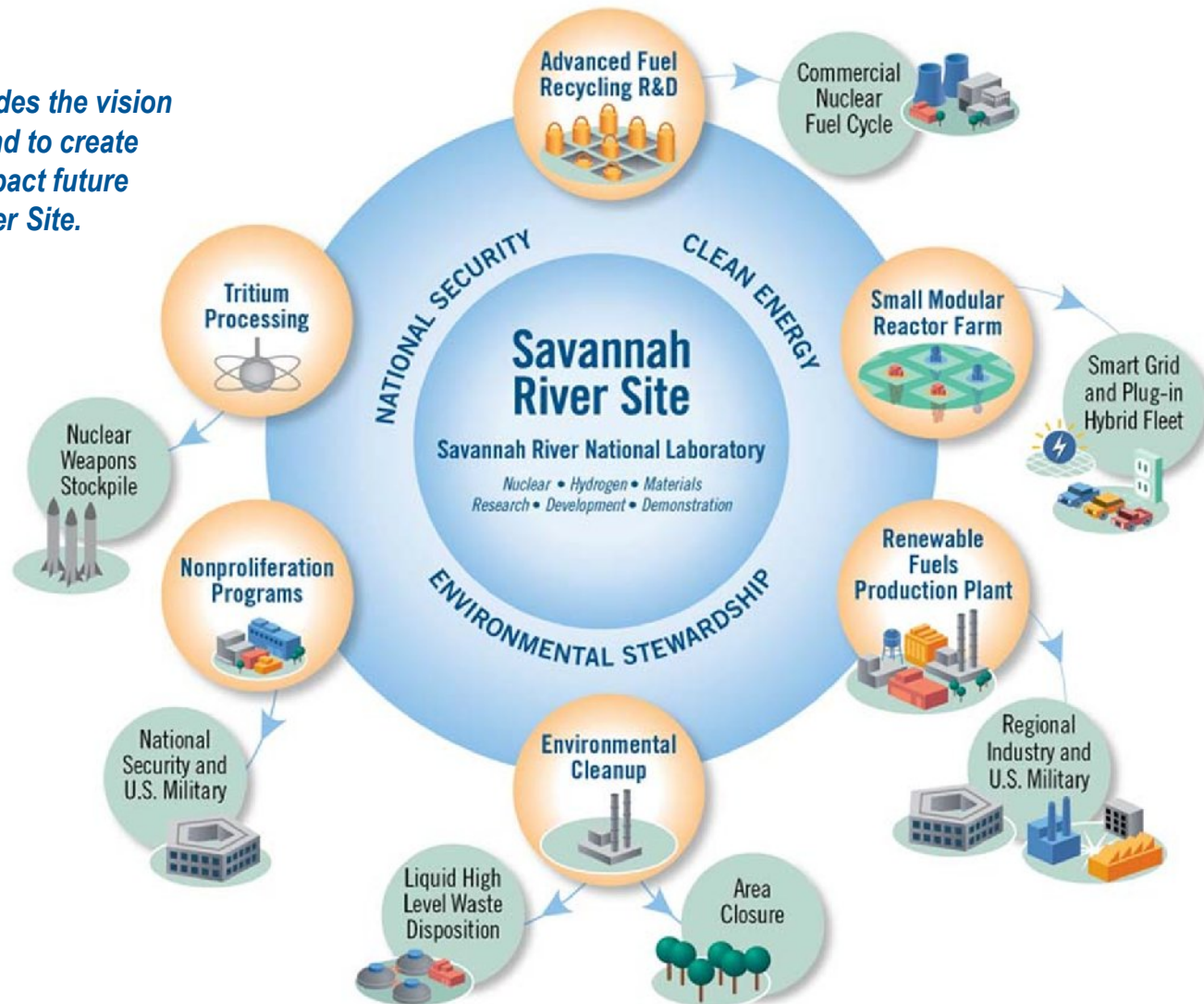


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## The Enterprise SRS Vision

*Enterprise SRS provides the vision to revitalize assets and to create an enduring, high-impact future for the Savannah River Site.*



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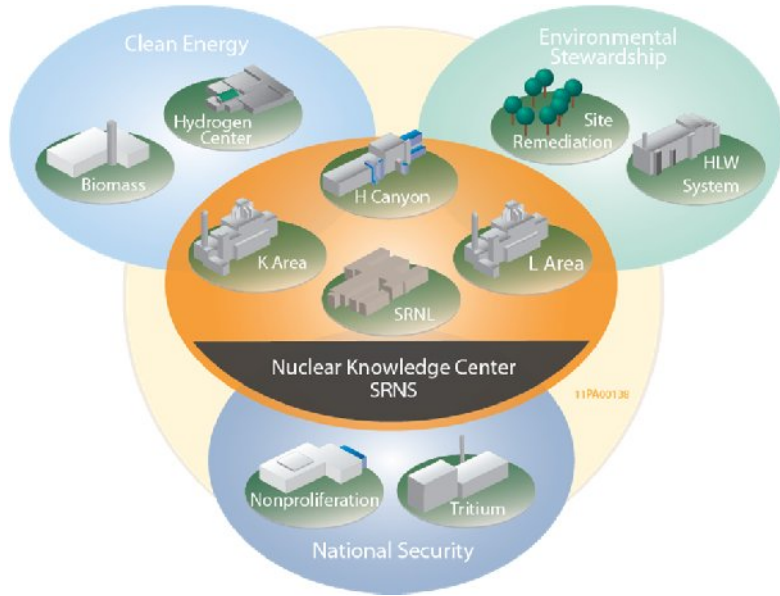


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## Savannah River National Laboratory

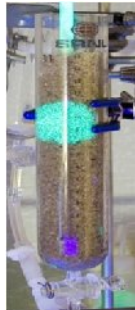


- Multi-program National Laboratory
- Safest Laboratory in DOE Complex
- Staff: ~1,000
- Budget: ~ \$260M (FY11)
- Three focused missions: Environmental Stewardship, Clean Energy, National Security
- Core nuclear capabilities: chemical processing/separation; materials, tritium/hydrogen; nuclear forensics, and environmental science

### Environmental Stewardship

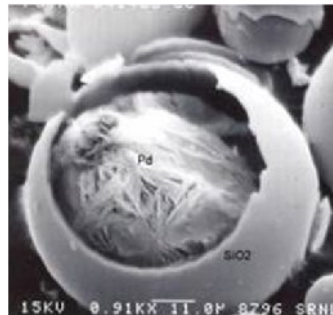


*Solvent extraction technology for salt waste processing*



*Cleanup technology*

### Clean Energy



*Porous wall hollow glass microspheres*



*Off-shore wind research*

### National Security



*FBI forensics*



*Tracking/locating technology*



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# Savannah River Site Asset Revitalization – Current Efforts

- **Developing a comprehensive database of assets, including tech transfer and intellectual property opportunities**
- **Using site assets to support Army and FBI training**
- **Ongoing asset transfers to the SRS Community Reuse Organization**
- **In discussion with Small Modular Reactor vendors**
- **Working with surrounding counties and our Savannah River Site Community Reuse Organization to evaluate other opportunities**
- ***SRS leadership is committed to moving forward with the Enterprise SRS vision and using the SRS Assets to serve the nation in clean energy, national security, and environmental stewardship.***



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