

Lab - NHS Condensed Version

August 2023

Bryon P Marsh





DISCLAIMER

This information was prepared as an account of work sponsored by an agency of the U.S. Government. Neither the U.S. Government nor any agency thereof, nor any of their employees, makes any warranty, expressed or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness, of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights. References herein to any specific commercial product, process, or service by trade name, trade mark, manufacturer, or otherwise, does not necessarily constitute or imply its endorsement, recommendation, or favoring by the U.S. Government or any agency thereof. The views and opinions of authors expressed herein do not necessarily state or reflect those of the U.S. Government or any agency thereof.

Lab - NHS Condensed Version

Bryon P Marsh

August 2023

Idaho National Laboratory Idaho Falls, Idaho 83415

http://www.inl.gov

Prepared for the U.S. Department of Energy Under DOE Idaho Operations Office Contract DE-AC07-05ID14517

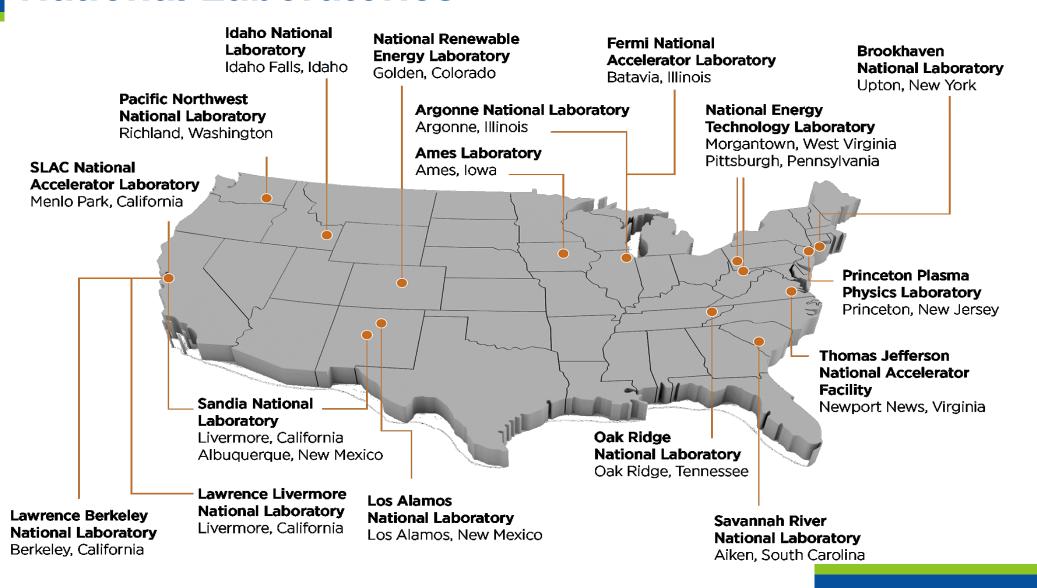




Idaho National Laboratory National & Homeland Security



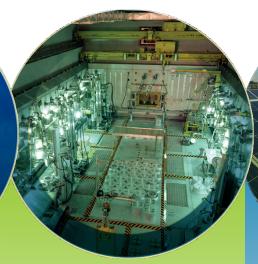
National Laboratories



INL is Positioned to Address the World's Energy and Security Challenges









Nuclear S&T

- Advanced reactor design and optimization
- Nuclear fuels and materials
- Fuel cycle technologies
- Light water reactor fleet sustainability

Advanced Test Reactor

- Steady state neutron irradiation of materials and fuels
- Naval NuclearPropulsion Program
- Industry
- National laboratories and universities

Materials and Fuels Complex

- TREAT Transient testing
- Analytical laboratories
- Post-irradiation examination
- Advanced characterization
- Fuel fabrication
- Space nuclear power and isotope technologies

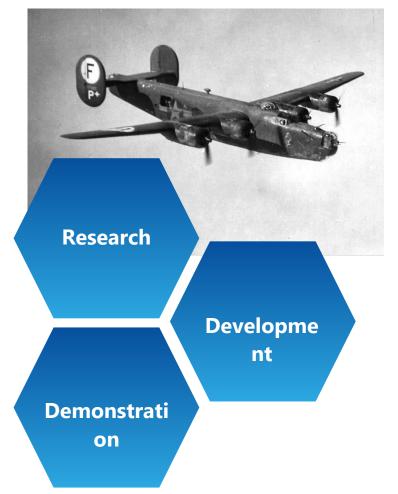
Energy and Environment S&T

- Advanced transportation
- Environmental sustainability
- Clean energy
- Advanced manufacturing
- Biomass

National and Homeland Security S&T

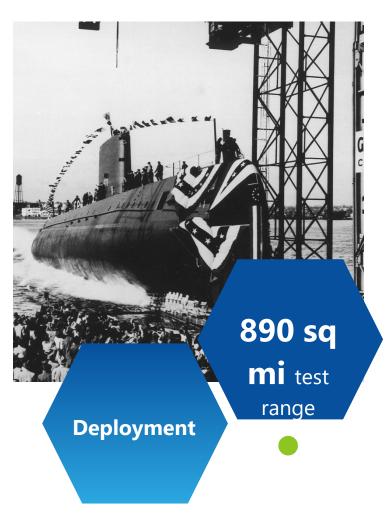
- Critical infrastructure protection and resiliency
- Nuclear nonproliferation
- Physical defense systems

National & Homeland Security History

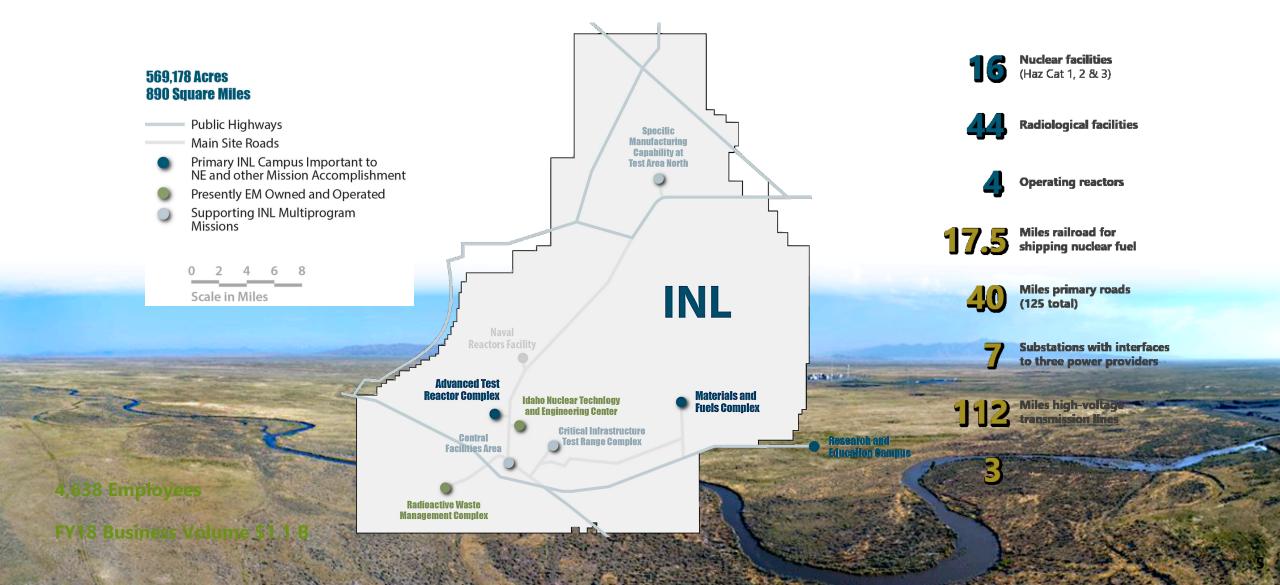




INL has supported national security research for nearly 80 years.



The Idaho National Laboratory Site – A Unique Capability for the Nation



National and Homeland Security Focus Areas



INL is engaged worldwide solving *urgent* national security challenges in critical infrastructure protection and resiliency, nuclear and radiological security, and national defense.

Unique National Security Infrastructure & Capabilities

