

# *Idaho National Laboratory Plan*



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[www.inl.gov](http://www.inl.gov)



# Our Vision and Strategy Positions INL to be Relevant to Tomorrow's Energy Future



**Vision:**  
INL will change the world's energy future and secure our critical infrastructure.



The Idaho National Laboratory Site:  
890 square miles

ADVANCING  
NUCLEAR  
ENERGY

ENABLING  
CLEAN ENERGY  
DEPLOYMENT

SECURING &  
MODERNIZING  
CRITICAL  
INFRASTRUCTURE

# *Three Pillars of Simultaneous Excellence Shape the Future of INL*

**Scientific and  
Technical  
Excellence**

**Community  
Excellence**

**Operational  
Excellence**



# INL's Core Capabilities Help Build our Leadership Position and Deliver our Mission



Mission Outcomes
Develop, innovate, secure, and demonstrate nuclear energy technologies
Provide national security solutions and protect critical infrastructure
Provide at-scale clean energy systems integration and demonstration and complementary environmental solutions

Leadership Position
Nation's premier nuclear science and technology laboratory
World-class and unique RD&D facilities in nuclear energy, security, and clean energy deployment
Physical and cyber-based protection of critical infrastructure and integrated energy systems – Securing and modernizing critical infrastructure
Leadership in clean energy engineering, performance validation, at-scale systems integration and demonstration

INL Core Capabilities	
Advanced Computer Science, Visualization, and Data	Environmental Subsurface Science
Applied Materials Science and Engineering	Large-Scale User Facilities/Advanced Instrumentation
Biological and Bioprocess Engineering	Mechanical Design and Engineering
Chemical and Molecular Science**	Nuclear and Radio Chemistry
Chemical Engineering	Nuclear Engineering
Condensed Matter Physics and Materials Science**	Power Systems and Electrical Engineering
Cyber and Information Sciences	Systems Engineering and Electrical Engineering
Decision Science and Analysis	



\*\*Emerging core capability for INL

# Opportunities



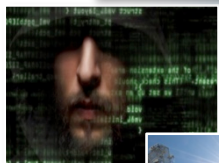
Continue to mature as a **multi-program national laboratory**

Be an organizer and leader for the community around a **nuclear energy strategy** for the Nation



Establish the national framework for addressing challenges in **control system cyber physical security**

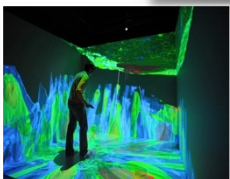
Develop and demonstrate **clean energy systems** at scale



**Collaborate with industry** at the pace of business



**Building on the foundation of people, facilities, and capabilities**, raise the scientific and technical impact of the lab through addressing big national and global challenges, hiring and retaining great people, and modernizing facilities and infrastructure



**Increase the scientific and technical impact of the Laboratory** through high quality publications and innovations, a focus on internal and external collaborations, and increased Laboratory-directed investments



**Raise the Laboratory profile** in the State and region

Continuously **improve the safe, secure, and efficient operations** of the Laboratory

