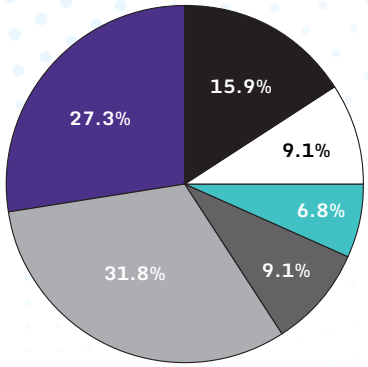
ADVANCED NUCLEAR ENERGY TECHNOLOGY CHALLENGE

Connecting Nuclear Innovation with National Priorities

ATI HORIZONS

ATI Horizons Advanced Nuclear Energy Technology Challenge delivered breakthrough technologies aligned with accelerating next-generation energy systems. This program identified critical innovations that make nuclear energy more efficient, scalable, deployable, and resilient while supporting domestic energy security and critical infrastructure needs.

SOLUTION TOPICS



- AI-assisted siting, design and operations (31.8%)
- Other enabling solutions (27.3%)
- Advanced Manufacturing (15.9%)
- Closed fuel processes (9.1%)
- Process heat applications (9.1%)
- Thermal management (6.8%)

CHALLENGE SNAPSHOT

APPLICATION PERIOD
June 18 - July 31

VIRTUAL SEMIFINALIST PITCHES
August 20

LIVE FINALIST PRESENTATIONS
September 23 at Defense TechConnect Innovation Summit

LONG-TERM ENGAGEMENT
Innovator tracking and KPI monitoring through 2028

PRIZE POOL

$50,000
total awards

EXPERT EVALUATION PANEL

Grayson Dorr, Program Manager, *ATI*
Adam Frost, Head of Trade Finance and Global Partnerships, *General Matter*
Eric McFarland, Chief Science Officer, *First American Nuclear Co.*
Ashley Sadorra, Technical Program Manager, Defense and Space, *Idaho National Laboratory*

IMPACT

The challenge identified emerging technologies, increasing visibility for innovators, and connecting solution providers with government, industry, and investment stakeholders.

By combining technology scouting, expert evaluation, live pitching, and ecosystem engagement, ATI Horizons surfaced innovative approaches that may contribute to the future deployment of advanced nuclear energy systems while strengthening connections across the innovation community.

average readiness **TRL 5**

5 countries represented

14 semifinalists selected

20 U.S. states represented

83% non-traditional innovators

44 qualified applications

10 finalist pitches

$50,000 in awards distributed

OUR ROLE

ATI Horizons designed and managed the complete challenge lifecycle, including:

- Challenge development and administration
- Innovation outreach and recruitment
- Application management
- Review panel coordination
- Pitch event production
- Finalist showcase execution
- KPI tracking and post-challenge engagement