



RTS | Nuclear Energy + AI Newsletter

RTS Nuclear AI Research Statement

Signals from the Field | January 2026

The nuclear sector enters 2026 under accelerating pressure from artificial intelligence. Not because AI is new, but because its energy, workforce, and infrastructure demands are now reshaping real-world decisions.

Recently, RTS was named the first Certified Service Provider for Nuclearn’s AI platforms. That recognition reflects our broader approach: building a robust partnership ecosystem that allows us to leverage the best tools and technologies available to support our clients across nuclear operations, infrastructure, and advanced reactor development. RTS works across platforms and partners by design, ensuring technology choices align with nuclear standards, workforce realities, and execution constraints.

Ready to talk, let's meet.

Momentum in the Field: Industry Signals and the RTS Perspective

The Race to Win Energy Talent

According to a recent CNBC report, hiring of energy-related talent by Big Tech rose 30 percent in 2025 compared to pre-AI levels. Companies such as Microsoft, Amazon, and Google are aggressively recruiting experts in grid strategy, power procurement, and energy markets, while also signing long-term power agreements with nuclear developers to secure reliable electricity for AI infrastructure. This competition is tightening an already limited talent pool and forcing utilities and energy companies to rethink how they attract, retain, and enable experienced professionals.

Raisun Take:
This is no longer a future workforce issue. Organizations that cannot modernize work environments and reduce friction through AI-enabled systems will struggle to compete, regardless of compensation.

[Read the Article](#)

AI and Nuclear Power: Global Alignment Is Forming

A new United Nations feature asks a question now being discussed worldwide: Will AI kickstart a new age of nuclear power? With commentary from Google leadership and the International Atomic Energy Agency, the article highlights the growing role of nuclear energy in supporting AI infrastructure, particularly through SMRs and firm, dispatchable power.

Raisun Take:
The message mirrors what RTS observes globally. AI-driven electricity demand is compressing timelines and reshaping energy planning assumptions. Nuclear’s value proposition is strengthening, but execution discipline will define success.

[Read the Article](#)

The Next Generation Is Already Here

A recent Purdue University profile follows two students shaping the future of nuclear from different directions. One transitioned from nuclear engineering into aviation as a Navy pilot. The other plans to pursue research at the intersection of AI and nuclear systems.

Raisun Take:
Workforce strategy must evolve alongside technology. AI should reduce burden, preserve institutional knowledge, and make nuclear careers more sustainable and attractive over the long term.

[Read the Article](#)

Their stories reflect a broader shift in how nuclear careers are evolving, with increasing crossover between engineering, digital systems, and national service.

In Other News

Meta and nuclear power: Meta has announced multi-gigawatt nuclear agreements with Vistra, Oklo, and TerraPower to support its expanding AI data center fleet.

PPPL advances AI research: Princeton Plasma Physics Laboratory continues expanding AI-driven plasma modeling to accelerate fusion and advanced nuclear research.

NextEra flags rising demand: NextEra Energy has highlighted data center growth as a major driver of future grid planning and generation strategy.

What This Signals

Across talent, infrastructure, education, and global policy, one pattern is clear. Nuclear energy is no longer operating on long horizons alone. AI is tightening timelines, increasing competition, and raising expectations for delivery.

RTS exists to help organizations navigate this shift with clarity. Our research, advisory, and managed services focus on applying AI with purpose inside nuclear standards, safety culture, and real operating environments.

If these signals align with what you are seeing, let’s talk.

- RTS Global Research

Schedule a meeting, today!



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