



**NANO**  
Nuclear Energy Inc.

# NANO Nuclear Energy Third Fiscal Quarter Financial Results and Business Update Call

August 14<sup>th</sup> 2025



# Cautionary Note Regarding Forward-Looking Statements

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This presentation and statements of NANO Nuclear's management in connection with this presentation contain or may contain "forward-looking statements" within the meaning of Section 21E of the Securities Exchange Act of 1934, as amended, and the Private Securities Litigation Reform Act of 1995. In this context, forward-looking statements mean statements related to future events, plans, objectives, and goals which may impact our expected future business and financial performance, and often contain words such as "seek," "expects", "anticipates", "intends", "plans", "believes", "potential", "will", "should", "could", "would" or "may" and other words of similar meaning. Specifically, forward-looking statements include those related to our anticipated timelines for development, demonstration, regulatory approval and commercialization of our products, technologies and services. These and other forward-looking statements are based on information available to us as of the date of this presentation and represent management's current views and assumptions.

Readers are cautioned that forward-looking statements are not guarantees of future performance, events or results and should not be relied upon as a predictor of actual results. Forward-looking statements involve significant known and unknown risks, uncertainties and other factors, some of which may be beyond our control. Readers are also cautioned that actual results may differ materially and adversely from the results implied in forward-looking statements. For NANO Nuclear, particular risks and uncertainties that could cause our actual future results to differ materially from those expressed in our forward-looking statements include but are not limited to the following: (i) risks related to our U.S. Department of Energy ("DOE") or related state or non-U.S. nuclear licensing submissions, (ii) risks related the development of new or advanced technology and the acquisition of complimentary technology or businesses, including difficulties with design and testing, cost overruns, regulatory delays, integration issues and the development of competitive technology, (iii) our ability to obtain contracts and funding to be able to continue operations, (iv) risks related to uncertainty regarding our ability to technologically develop and commercially deploy a competitive advanced nuclear reactor or other technology in the timelines we anticipate, if ever, (v) risks related to the impact of U.S. and non-U.S. government regulation, policies and licensing requirements, including by the DOE and the U.S. Nuclear Regulatory Commission, including those associated with the recently enacted ADVANCE Act and the May 23, 2025 executives orders seeking to streamline the nuclear regulatory process, and (vi) similar risks and uncertainties associated with the operating an early stage business a highly regulated and rapidly evolving industry..

Readers are further cautioned not to place undue reliance on our forward-looking statements, which apply only as of the date of this presentation. These factors may not constitute all of the factors that could cause actual results to differ from those discussed in any forward-looking statement, and we therefore encourage investors to review other factors that may affect future results in the our filings with the SEC, which are available for review at [www.sec.gov](http://www.sec.gov) and at <https://ir.nanonuclearenergy.com/financial-information/sec-filings>. We do not undertake to update our forward-looking statements to reflect events or circumstances that may arise after the date of this presentation, except as required by law.



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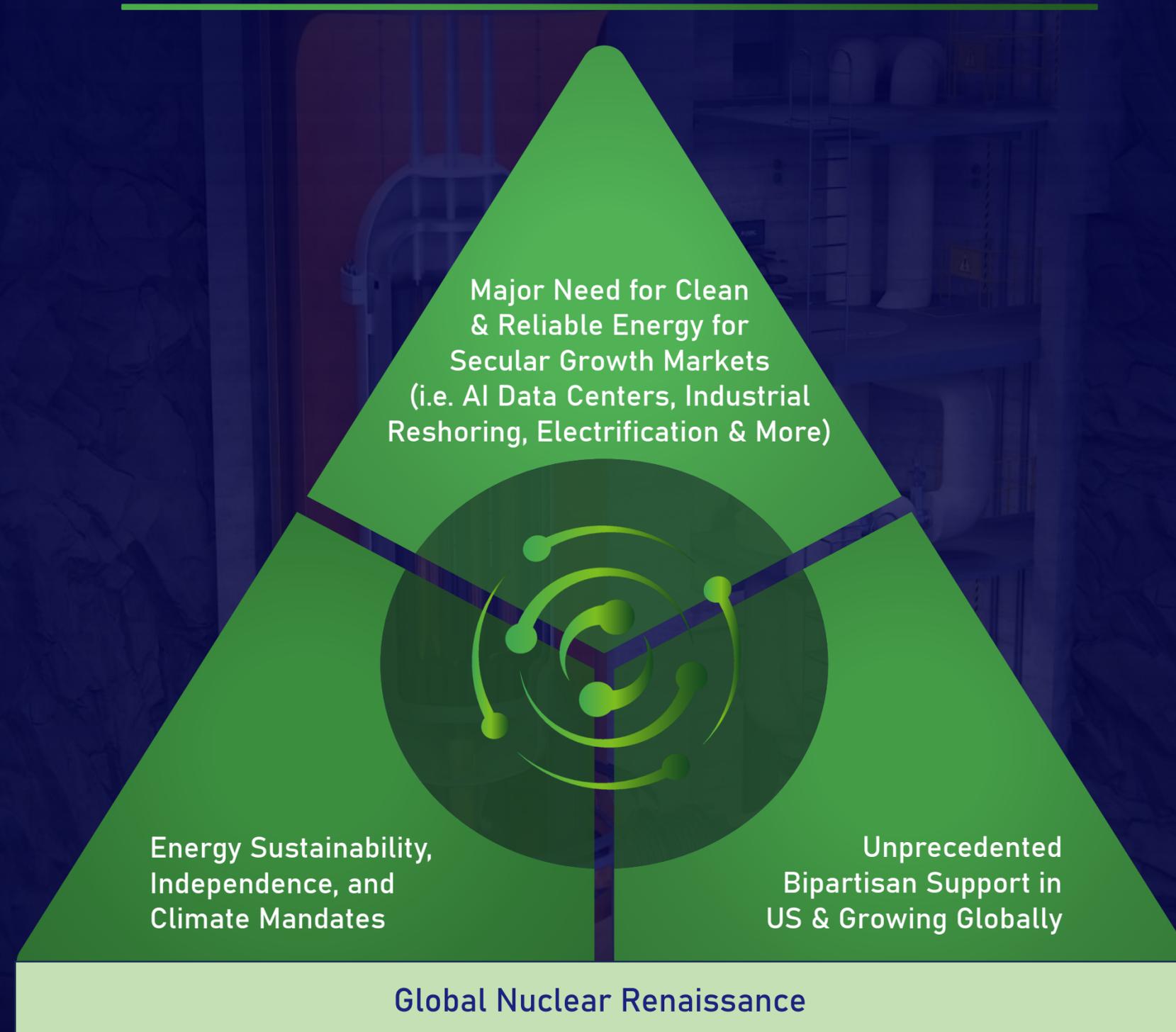
# Company Overview

Jay Yu, Founder, Chairman, President

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# NANO Nuclear at the Heart of a Global Nuclear Renaissance



# Nuclear Energy Recognized as Ideal Source of Baseload Power to Meet Climate Goals

Growing Global Commitment to Triple Nuclear Capacity to 2050

31+ Countries



140+ Industry Leading Companies



14+ of the World's Largest Banks



15 Large Energy Users



Energy Source	Baseload Capable	Not Geographically Restricted?	Zero Emissions?	Highest Capacity Factor?
Gas/Oil				
Coal				
Wind				
Solar				
Hydroelectric				
Nuclear				

# Tech Leaders Rapidly Expanding Nuclear Capabilities to Address Power Needs



September 2024: Jointly announced the restart of Three Mile Island nuclear power plant, with Microsoft agreeing to a 20-year PPA agreement and Constellation planning to invest ~\$1.6B.



September 2024: Founder Larry Ellison revealed Oracle already has building permits for three SMRs to power its future 1 gigawatt datacenter.



October 2024: AWS announced an MOU with Dominion Energy, Virginia's largest utility, to explore the development of SMR's developed by X-Energy and investing more than \$500 million into the project.



May 2025: CEO Jensen Huang said nuclear power is a good option for the renewable energy needed for the growing number of data centers.

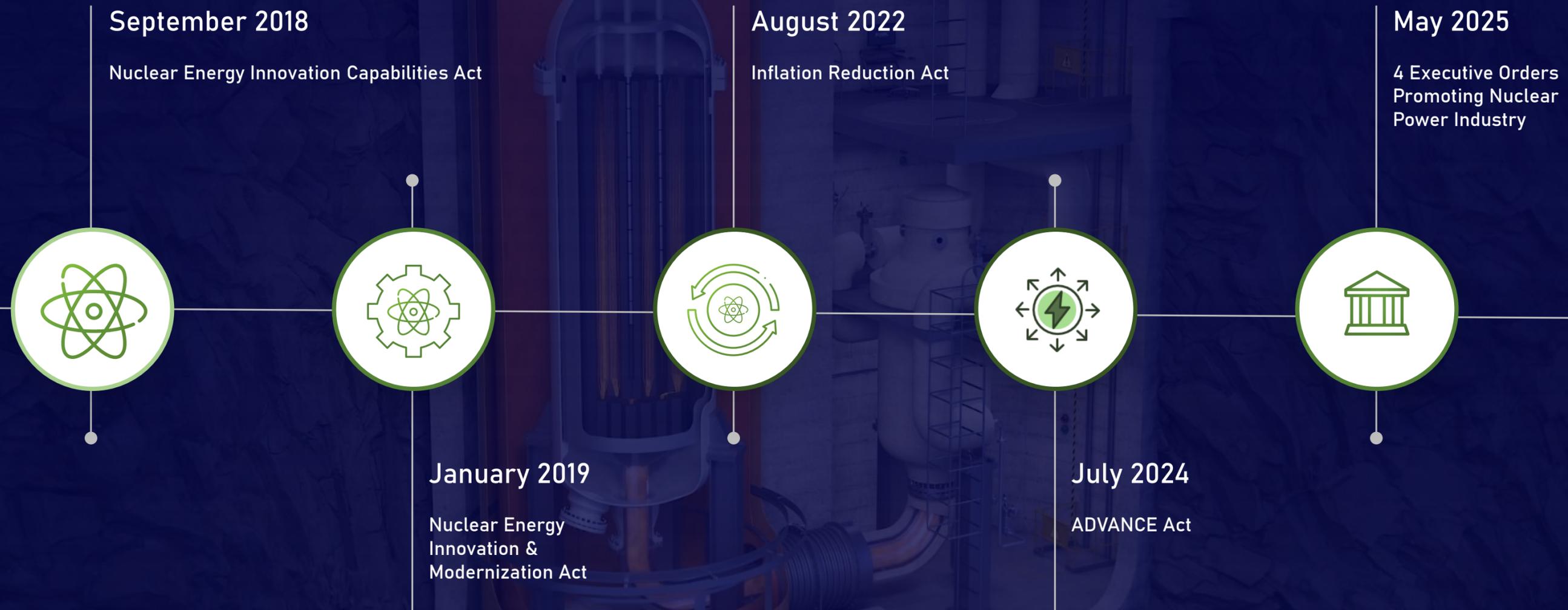


October 2024: Partners with Kairos Power on SMR's, plans to deploy up to 500MW of capacity by 2035  
May 2025: partners with Elementl Power developing three advanced nuclear sites, each with 600 MW.



December 2024: Issued a request for proposals to secure between 1 and 4 GW of nuclear capacity by the early 2030s  
June 2025: Signs 20-year PPA agreement with Constellation Energy to buy 1.1GW from its Clinton Clean Energy Center

# Nuclear a Rare Beneficiary of Unprecedented Bipartisan Support in U.S.





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# Business Update and Strategy

James Walker, CEO

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## Recent Progress Supportive of KRONOS' Development, Licensing and Commercialization

### Advancing Lead KRONOS MMR™ Energy System Toward Construction, Demonstration, Licensing and Deployment in U.S. and Canada

- Executed strategic collaboration agreement to build 1st KRONOS MMR at the University of Illinois Urbana-Champaign (UIUC).
- Received NRC approved Fuel Qualification Methodology Topical Report, a notable achievement for advanced reactors.
- Entered into a Master Services Agreement with AECOM to provide reactor site services in support to the NRC construction permit application.
- Resuming formal licensing activities of the KRONOS MMR with the Canadian Nuclear Safety Commission.

### New Collaborations Tightly Aligned with Strategic Focus on Vertical Integration

- Continue to expand our business and partnerships to address key bottleneck of next-generation fuel.
- Signed an MOU with UrAmerica, supporting ability to secure the necessary resources to de-risk and decentralize our nuclear fuel supply chain.

### Well-Positioned to Accelerate KRONOS' Development/Commercialization & Vertical Integration

- Successful capital raise bolsters already strong balance sheet.
- Acquired 2.75-acre land and building package in Oak Brook, Illinois to provide engineering, R&D and manufacturing support for KRONOS development.
- Actively pursuing commercial negotiations with several customers focused on AI Data Center projects, while also evaluating exciting early-stage opportunities for remote projects or communities in the U.S., Canada and abroad.

### Key Appointments & Wins Validate Growing Significance in Advanced Nuclear Industry

- NANO appoints former Texas Governor & U.S. Sec of Energy Rick Perry as Chairman of Executive Advisory Board, Seth Berl PhD, Global Chief Technologist at Intel to Board of Directors.
- Hired over a dozen engineers & staff to support KRONOS in the U.S. & Canada, plans to hire up to 60 for new Illinois facility.
- Reached assembly milestone for proprietary ALIP technology.
- Added to the Solactive Global Uranium & Nuclear Components Index and as a result, qualified for inclusion in the Global X Uranium ETF, broadening institutional exposure.

# Microreactors - The Future of Nuclear Energy

- Increased potential for economies of scale driven by modularity, mass production, factory fabrication, and large-scale deployment.
- Ability to scale cost effectively based on customer ramp plans.
- Substantially less safety risk relative to traditional reactors and some SMRs due to several factors.
- Ability to co-locate at customer sites, providing the option for projects to operate independently off the grid to enable 24/7 baseload power.
- Significantly less on-site construction relative to Traditional Reactors and some SMRs, due to modular assembly reducing the likelihood of substantial cost over runs.

Energy Source	Economies of Scale?	Ability to Scale Cost Effectively?	Minimal Safety Risk?	Ability to Co-locate?	Fully Modular & Assembled at Site?
Traditional Nuclear	✗	✗	✗	✗	✗
Small Modular Reactors (SMRs)	?	?	?	?	?
Microreactors	☼	☼	☼	☼	☼

# KRONOS – Differentiated with High-Tech Readiness & Proven Reactor Design

## High Technological Readiness

- Supported by proven high-temperature gas-cooled reactor design.
- Substantial data on high-temp gas-cooled reactors in both research and commercial settings in the U.S. and globally.
- Well-known design and substantial historical data expected to benefit KRONOS in U.S. and Canadian licensing processes.

## Substantial R&D Already Invested

- Prior to our acquisition, we believe KRONOS benefited from over \$120 million of capital raised by its prior owner to support its development.
- Numerous issued, pending or published patents.

## Ideal for AI Data Center Projects

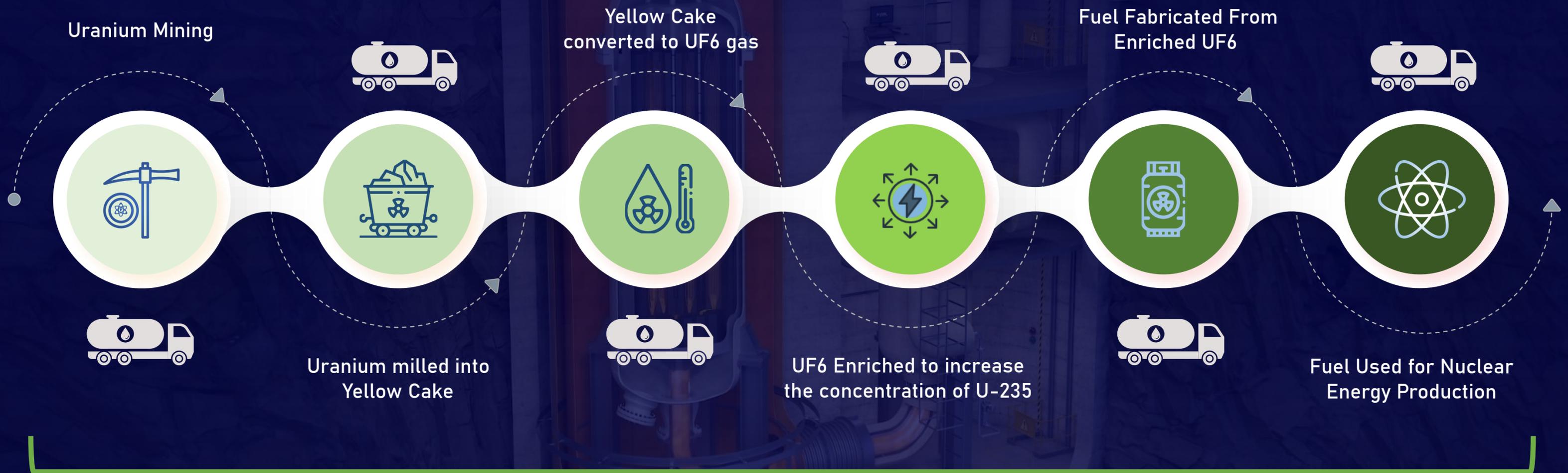
- 15MWe/45MWt capacity ideal for Data Center projects where many KRONOS MMR's can be stacked, co-located, and used to scale cost effectively.
- As large a reactor as possible while remaining substantially modular.
- Designed to benefit from economies of scale from modularity, mass production, factory fabrication, and large-scale deployment.

## Licensing Process in US & Canada well underway

- Advancing in both U.S. and Canada's licensing processes.
- Working toward submitting a construction permit application to the NRC by the end of 2025 or early 2026.
- KRONOS MMR was the first microreactor to enter the Canadian Nuclear Safety Commission's formal licensing review.

# Seeking Vertical Integration to De-Risk Reactor Deployment & Offer Near-Term Revenue Potential

## Primary Steps of the Nuclear Fuel Cycle



Fuel transport capabilities needed throughout the cycle

# Why Own NANO?





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# Financial Highlights

Jaisun Garcha, CFO

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## Key Third Fiscal Quarter Financial Highlights

### Year-to-Date Loss from Operations

- Year-over-year increase in year-to-date loss from operations to \$35.8M, driven by an approximate \$19M increase in G&A and an \$8.5M increase in R&D, primarily to support advancement of KRONOS MMR.

**\$35.8M**

### Year-to-Date Net Loss

- Year-to-date net loss of \$32M increased by approximately \$24M year-over-year, primarily due to an increase in R&D and G&A expenses, partially offset by an approximate \$4M increase in other income.
- Higher year-to-date other income driven by a year-over-year increase in earned interest income from a higher cash balance.

**\$32.0M**

### Year-to-Date Net Cash Used in Operating Activities

- Year-to-date net cash used in operating activities increased by approximately \$9M to \$14.7M as compared to the prior year, driven by a higher net loss, partially offset by an increase in equity-based compensation.

**\$14.7M**

### Cash and Cash Equivalents

- Cash and cash equivalents ended the quarter at \$210.2M, increasing by approximately \$92M from the prior quarter, driven by \$99M in net proceeds from a May 2025 private placement.
- Filed first universal shelf, inclusive of an ATM facility, part of a disciplined capital management strategy to expedite our long-term growth and provide the flexibility to take advantage of favorable market conditions.
- Having flexible and efficient capital tools in place to support KRONOS MMR advancement is essential as we seek new institutional support, and we're encouraged by new investment & growing interest from long-term oriented institutions.

**\$210.2M**



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MMR™



**HALEU Energy**  
Fuel Inc.



**ADVANCED FUEL**  
TRANSPORTATION INC.



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Nuclear Space Inc.

**THANK YOU!**

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