NANO
Nuclear Energy Inc.

NANO Nuclear Q3 2026 Financial Results & Business Update Call

August 12th 2026

Cautionary Note Regarding Forward-Looking Statements

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", "explore," "plans", "aim," "goal," "believes", "potential", "will", "should", "could", "would" or "may" or derivations of these words and other words of similar meaning, although forward-looking statements may be denoted by other terms. Specifically, forward-looking statements include those related to our anticipated timelines for development, demonstration, regulatory approval and commercialization of our products, technologies and services as well as our commercial (including customer acquisition) plans. 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 key vendor, technology and customer contracts and the significant funding necessary to execute on our business plan, (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 a developing business a highly regulated, competitive and rapidly evolving industry, including that our plans may change and we may use our cash on hand faster or in different ways than anticipated as our business requires.

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 our filings with the SEC, which are available for review at 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.

Company Overview

Jay Yu, Founder, Chairman, President

NANO Nuclear Well-Positioned to Capture Value

High-TRL Technology Built Upon Historical Deployments

- HTGR platform leveraging decades of operating experience and DOE-qualified TRISO fuel
- Enhanced safety profile enabling co-location for AI, industrial, military and remote applications

First Project Underway & Growing Multi-GW Commercial Pipeline

- KRONOS U of I deployment advancing through NRC licensing & toward first power around 2030
- Visibility into multiple GW of potential future commercial deployments, highlighted by opportunity with BaRupOn and advancing discussions with a potential strategic collaborator and data center developer with plans for several GW scale data centers

Factory Fabrication, Expedited Licensing & Repeatable Deployment

- KRONOS MMR designed for standardization & commercial off-the-shelf components
- Smaller size, standardization, and modularity expected to drive economies of scale through manufacturing & construction learnings
- KRONOS design ideal for new expedited licensing pathways (i.e. Part 53 & Part 57)

Mature Design with a Clear Path Toward Commercial Deployment

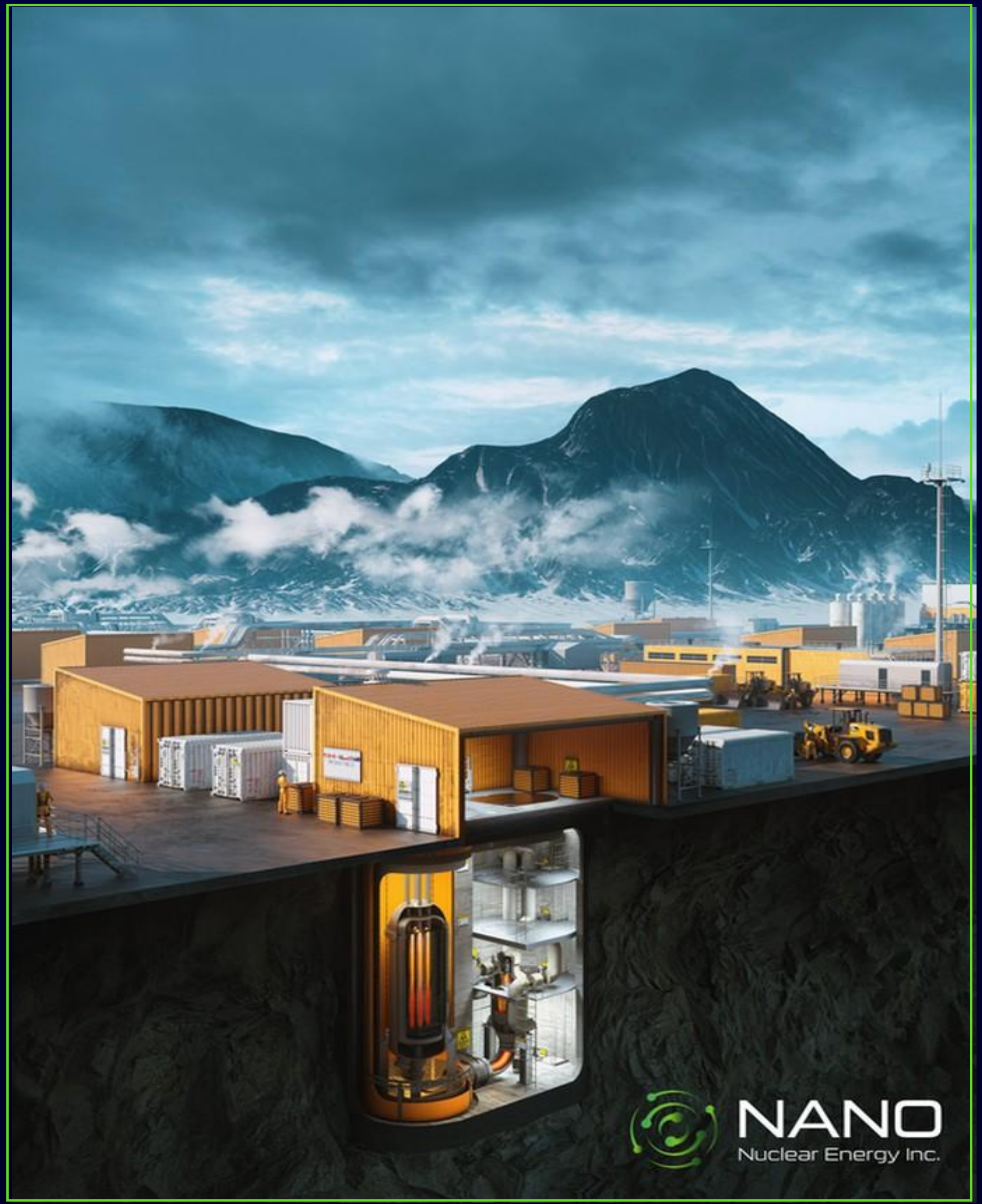
- KRONOS MMR backed by nearly a decade of development & investment
- 1st microreactor developer building a full-scale unit to reach CPA stage
- KRONOS designed to utilize commercially available LEU+ today with future HALEU flexibility

Vertical Integration to Enable Deployments at Scale

- Integrated reactor, fuel supply chain, & transportation platform de-risks future deployments
- STS acquisition strengthens vertical integration, de-risks KRONOS advancement, adds revenue, and is expected to accelerate expansion across fuel cycle
- Advancing M&A and partnership discussions targeting additional fuel transport & facility assets

Financial Strength and Experienced Team

- Strong balance sheet supporting commercialization and vertical integration, including $580M in liquidity.
- Significant experience across DOE, NRC, national labs, the U.S. military and advanced nuclear industry
- Team has grown significantly to 85 employees & contractors from 31 one year prior.



MMR – Micro Modular Reactor
HTGR – High-Temperature Gas-Cooled Reactor
TRISO - TRI-Structural ISOtropic

NRC – Nuclear Regulatory Commission
STS – Secured Transportation Systems
GW – Gigawatt

CPA – Construction Permit Application
LEU – Low Enriched Uranium
HALEU – High-Assay Low Enriched Uranium

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Q3 Business Update

James Walker, CEO

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Q3 2026 Highlights & Recent Developments

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KRONOS MMR Advancement

- NRC formally accepted for review the CPA for deployment of the KRONOS MMR™ at the U of I, initiating formal review activities
  - NRC subsequently announced expectation to complete its environmental assessment in Q1 2027 and its safety evaluation in Q3 2027
  - Review timeline consistent with expectation to begin construction in 2H 2027
- Progress with engineering partners demonstrates maturation of key reactor subsystems
  - Collaboration with Fortil for KRONOS’ fuel handling and storage system design
  - Collaboration with a globally recognized engineering firm to advance KRONOS’ helium circulator design

Commercial & Strategic Progress

- Completed 1 GW feasibility study for BaRupOn’s data center & manufacturing campus
- Advanced discussions with a potential strategic collaborator and customer to support their planned multi-GW pipeline of data-center projects in the U.S.
- Advancing discussions with a nuclear power project developer and AI-infrastructure company on several joint commercial opportunities
- Signed an MOU with Supermicro to evaluate the integration of KRONOS with their AI server and data-center platforms
- Selected for SBIR Phase I Award by AFWERX, progress with Direct to Phase 2 Award

Enhancing Vertical Integration

- Executed on acquiring STS, bringing in house a globally operating nuclear logistics, transportation and services company with a history of profitability
  - Acquisition reduces reliance on third party providers, improves capabilities across several aspects of the fuel cycle, and de-risks future reactor deployments
- Strong progress in advancing several synergistic acquisition and partnership opportunities across the nuclear fuel cycle
  - See potential for more than one announcement in the coming months

Financial Highlights

- Ended the quarter with approximately $580 million in cash, cash equivalents and short-term investments
  - Enhanced our already strong balance sheet during the quarter by raising approximately $26 million in net proceeds from our At-the-Market or ATM Program
- Strong balance sheet a significant strategic advantage, placing the company in a strong position to execute its growth strategy

MOU – Memorandum of Understanding
CPA – Construction Permit Application
MMR – Micro Modular Reactor
ATM- At-The-Market
NRC – Nuclear Regulatory Commission
STS – Secured Transportation Systems
GW - Gigawatt
SBIR – Small Business Innovation Research

STS Acquisition to Enhance Vertical Integration & Unlock Long-Term Value

About Secured Transportation Services (STS)

- Acquired in May 2026, STS is a globally operating nuclear logistics, transportation and services company with a history of profitability
  - More than 20 years of experience supporting the movement of radioactive and nuclear materials
  - Serves commercial nuclear customers alongside critical DOE and NNSA missions

Demonstrated Mission Execution

- STS has continued demonstrating the strength of its platform by supporting several important DOE and NNSA missions
  - Successful transport of HALEU from Japan to the United States
  - Removal of highly enriched uranium from Venezuela
  - Additional domestic transportation campaigns supporting the U.S. advanced nuclear fuel supply chain

Strategic Value to NANO Nuclear

- De-risks future KRONOS deployments by bringing fuel transportation and fuel cycle capabilities in house
  - Adds personnel with decades of experience supporting the nuclear industry
- Prospective customers view an integrated in-house offering as a key differentiator
- Standalone business expected to generate a solid base of activity, with several avenues for significant organic growth and a complementary acquisition under evaluation
  - Well-positioned to benefit from the continued growth of the nuclear industry as an established leader in this specialized market

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Financial Overview

Jaisun Garcha, CFO

Q3 FY 2026 Financial Results

($ in millions)	Q3 2026	Q3 2025	YTD Q3 2026	YTD Q3 2025
Revenue	$0.2	---	$0.2	---
Gross Profit	$0.1	---	$0.1	---
Operating Expenses	($15.9)	($9.4)	($41.5)	($35.8)
Loss From Operations	($15.8)	($9.4)	($41.5)	($35.8)
Other Income	$5.4	$1.8	$15.3	$3.8
Net Loss	($10.1)	($7.6)	($25.8)	($32.0)

($ in millions)	Q3 2026
YTD Net Cash Used in Operating Activities	($18.7)
YTD Net Cash Used in Investing Activities	($297.6)
Total Cash, Cash Equivalents & Short-Term Investments	$580.0

Key Income Statement, Balance Sheet & Cash Flow Highlights

- STS generated approximately $3.9 million dollars of unaudited revenue during the first six months of calendar year 2026, including the $0.2M in revenue contributed between May 22, 2026 and the end of Q3
- Year-over-year increase in Q3 QTD and Q3 YTD operating expenses driven by an increase in G&A & R&D to advance development of our KRONOS MMR and adjacent fuel cycle initiatives.
- Higher year-over-year Q3 QTD net loss driven by an increase in operating expenses, partially offset by an increase in interest income from a higher cash, cash equivalent and short-term investment balance.
- Lower year-over-year Q3 YTD net loss driven by higher interest income and lower equity compensation.
- YTD cash used in operating activities of $18.7M reflects ~$25.8M net loss, partially offset by ~$7M in equity compensation
- YTD cash used in investing activities of $297.6M reflects $281M purchase of short-term investments, ~$10M in PP&E additions, and ~$6M for the acquisition of STS.
- Cash, cash equivalents, and short-term investments increased by ~$11M from the prior quarter to $580M, driven by ~$26M in net proceeds from the ATM program, partially offset by cash used to fund development of our KRONOS MMR and related fuel cycle initiatives.

Well-positioned with robust liquidity to advance KRONOS MMR development, U of I deployment and expand vertical integration

QTD – quarter-to-date YTD – year-to-date

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KRONOS MMR™

HALEU Energy Fuel Inc.

ADVANCED FUEL TRANSPORTATION INC.

NANO Nuclear Space Inc.

THANK YOU!

For Further Information, Please Contact:

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