NANO Nuclear Energy Inc.

KRONOS MMR™

HALEU Energy Fuel Inc.

ADVANCED FUEL TRANSPORTATION INC.

NANO Nuclear Space Inc.

Developing Next Generation Microreactors, Nuclear Fuel and Transportation Technology for Smaller, Simpler and Safer Clean Energy Solutions

INVESTOR PRESENTATION

May 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", "aim," "goal," "intends", "plans", "believes", "potential", "will", "should", "could", "would" or "may" and derivatives of these words or other words of similar meaning regarding the future. 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"), U.S. Nuclear Regulatory Commission ("NRC"), Canadian Nuclear Safety Commission ("CNSC") or related state or other U.S. or non-U.S nuclear licensing submissions, (ii) risks related the development of new or advanced technology and the acquisition of complementary 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 NRC, including those associated with the recently enacted ADVANCE Act and the May 23, 2025 Executive Orders seeking to streamline nuclear regulation, 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 the 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.

About Us

NANO Nuclear Energy Inc. (Nasdaq: NNE) is an advanced technology-driven enterprise seeking to become a commercially focused, diversified, and vertically integrated nuclear energy company.

Our development strategy is primarily focused on several business lines:

- ❑ Advanced Stationary and Portable Nuclear Microreactors
- ❑ Nuclear Fuel Supply Chain
- ❑ Nuclear Fuel Transportation

NANO Nuclear Well-Positioned to Capture Value

- Advancing High TRL HTGR Technology
- Differentiated Microreactor Deployment Model
- Strategic Focus on Vertical Integration
- Technology With Compelling Value Proposition

HTGR – High-Temperature Gas-Cooled Reactor

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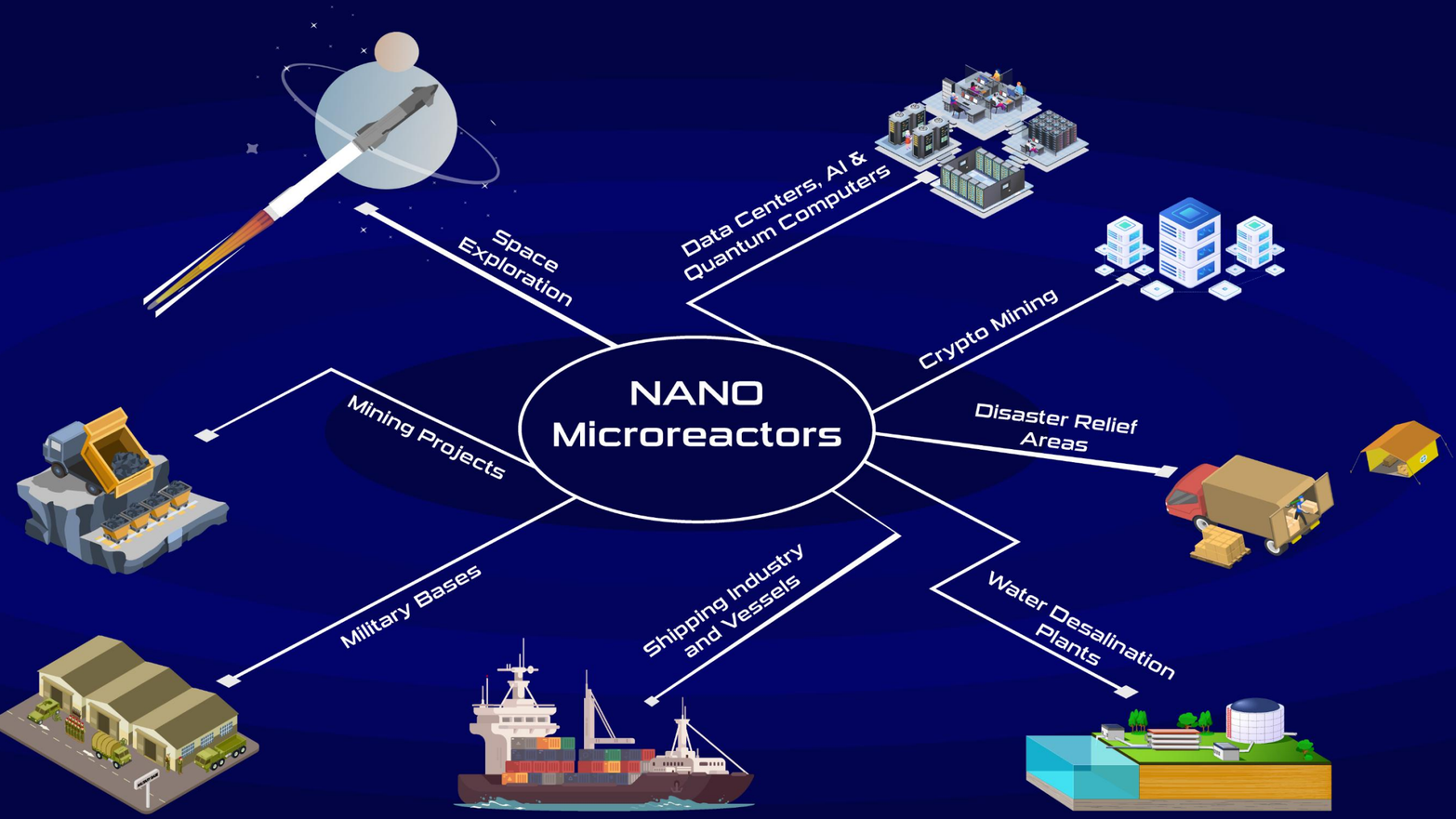
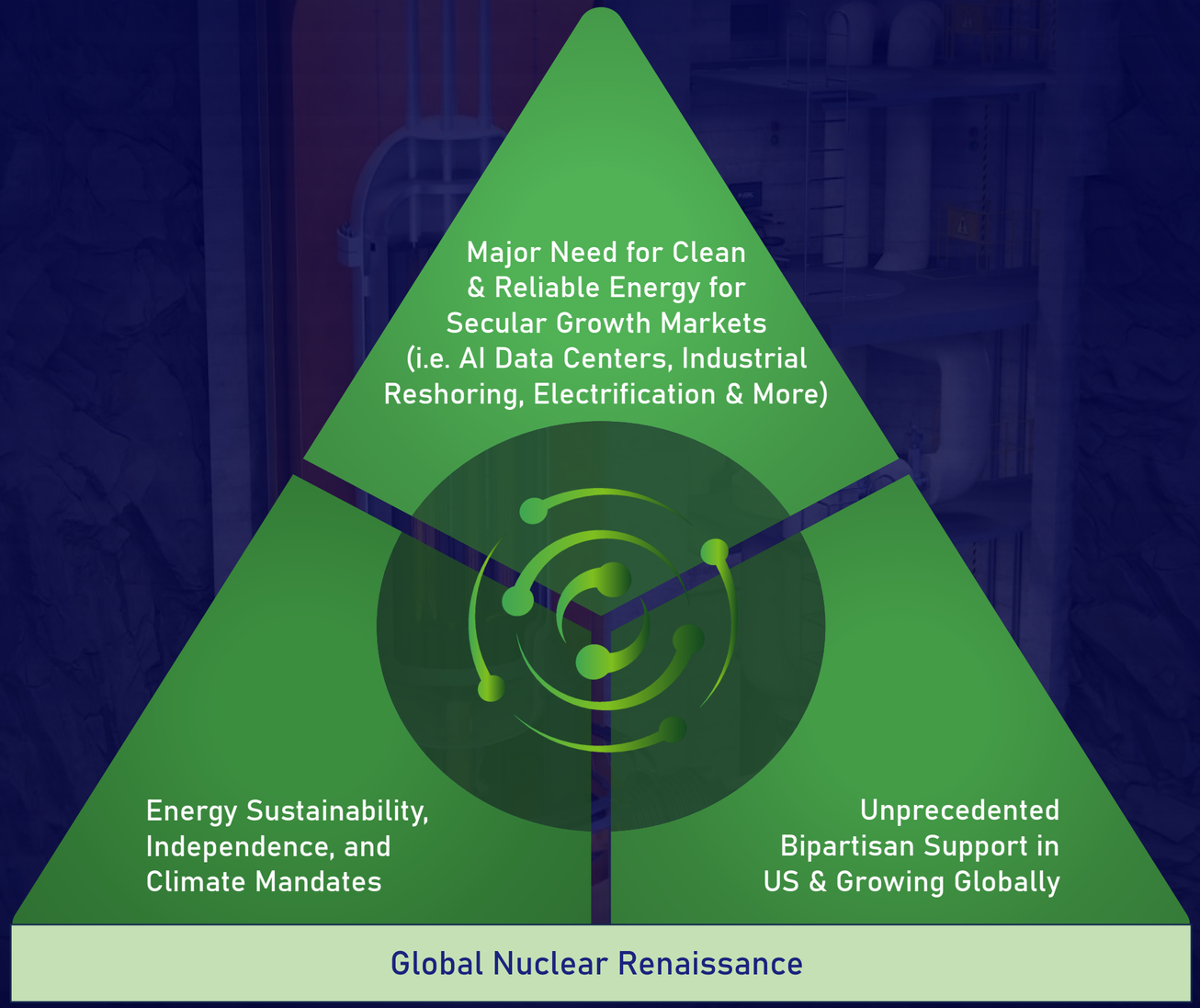
Market Opportunity, Demand Drivers & Bipartisan Support

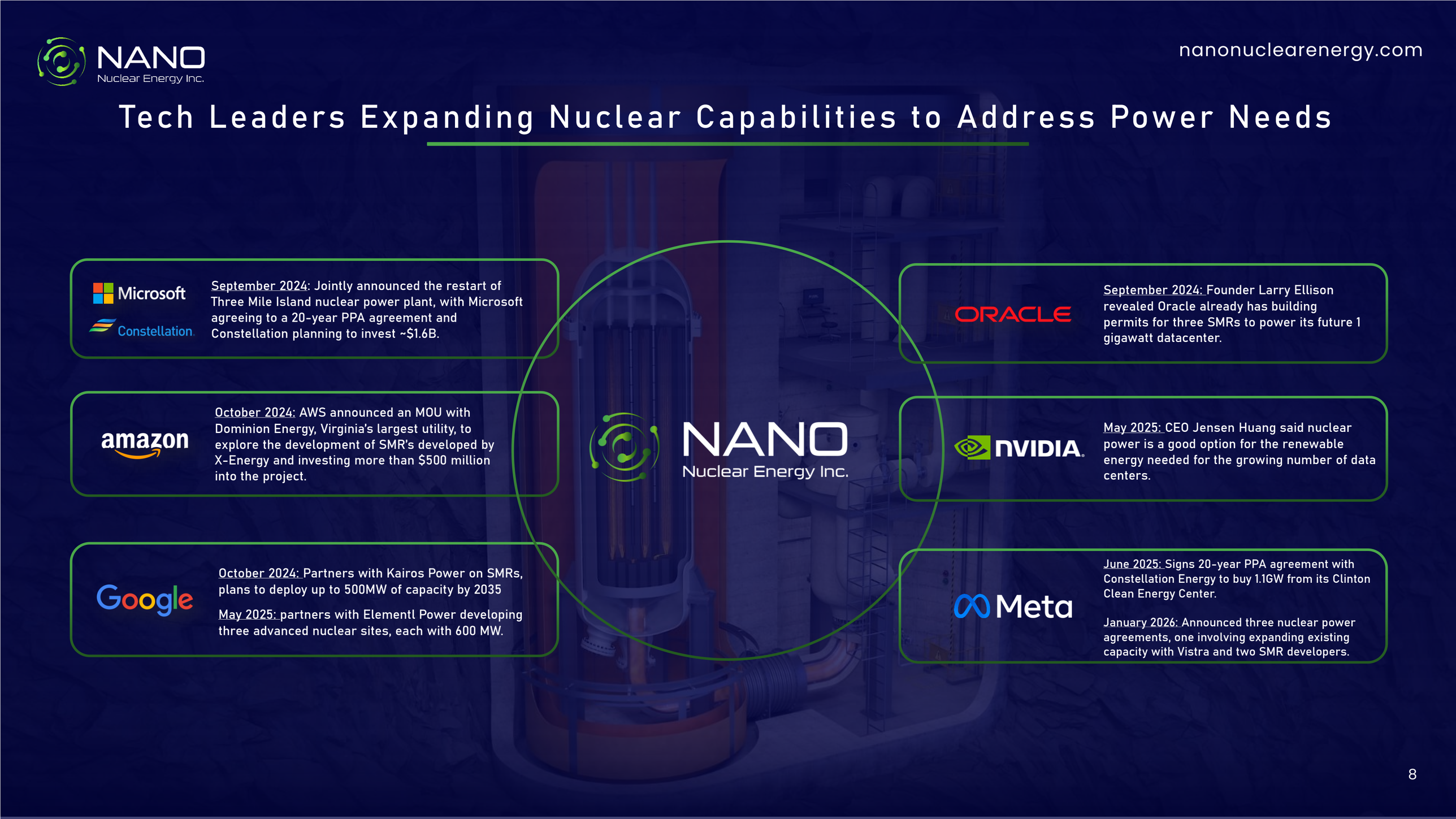
Microreactors Provide Opportunity to Serve Various Applications



NANO Nuclear at the Heart of a Global Nuclear Renaissance



Tech Leaders Expanding Nuclear Capabilities to Address Power Needs



Microsoft / Constellation

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.

amazon

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.

Google

October 2024: Partners with Kairos Power on SMRs, 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.

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ORACLE

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

NVIDIA

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

Meta

June 2025: Signs 20-year PPA agreement with Constellation Energy to buy 1.1GW from its Clinton Clean Energy Center.

January 2026: Announced three nuclear power agreements, one involving expanding existing capacity with Vistra and two SMR developers.

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

Growing Global Commitment to Triple Nuclear Capacity by 2050

31+ Countries

140+ Industry Leading Companies

NANO Nuclear Energy Inc.

14+ of the World's Largest Banks

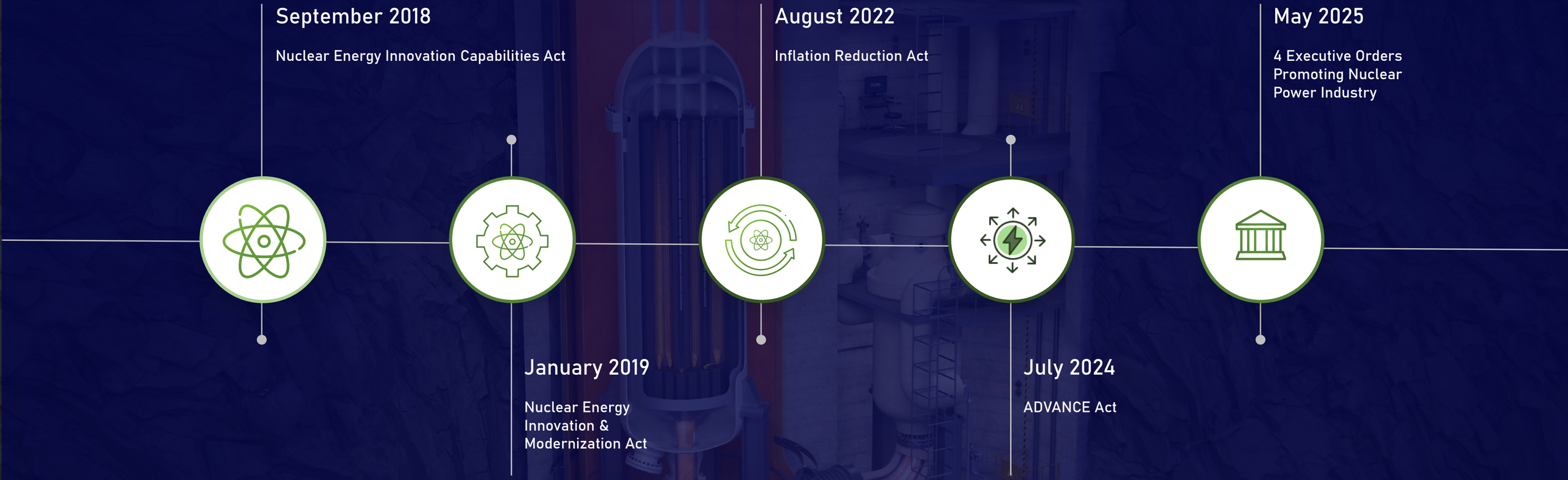
BARCLAYS Goldman Sachs Morgan Stanley

15 Large Energy Users

amazon Dow Meta

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

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



Prior bipartisan legislative & executive actions paving the way for expedited licensing pathways, reduced licensing costs, potential financial support for reactors and the fuel supply chain, in addition to military deployment opportunities

Part 53 & 57 NRC Licensing Pathways Expected to Streamline Commercial Deployments

EFFECTIVE 2026

Part 53

Intended as a risk-informed, performance-based framework

- Built for advanced reactor technologies, including non-light water reactors
- Design to offer greater flexibility than traditional Part 50 or Part 52 pathways
- Could support more efficient commercial licensing by aligning requirements with reactor-specific safety characteristics
- May provide increased flexibility for future commercial advanced reactor licensing

PROPOSED

Part 57

Intended to streamline deployment of standardized, lower-risk microreactor technologies

- Closely aligned construction & operating license processes
- Targeted review scope based on safety characteristics
- Fleet-wide standardization benefits across deployments
- Manufacturing licenses supporting pre-deployment fabrication and potential factory fuel loading/testing

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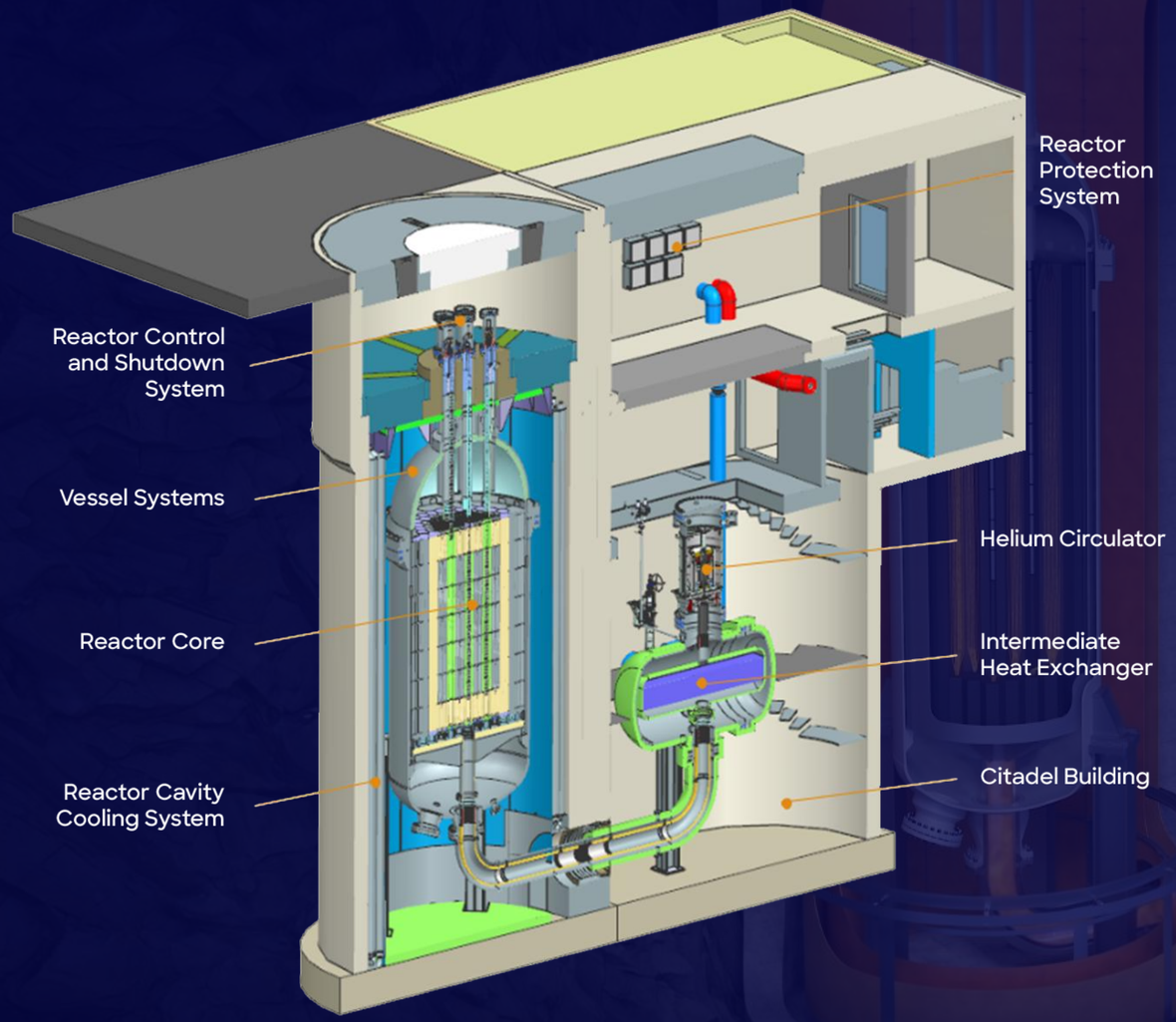
Overview of Microreactor Deployment Model, KRONOS MMR™ Solution, & Portable Reactors

Microreactors - The Future of Nuclear Energy

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

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

KRONOS MMR™ Reactor Technical Feature Summary



Standard Design Characteristics		
Materials	Coolant	Helium
	Fuel	TRISO-FCM
	Enrichment	9.9% (optionally, up to 19.9%)
	Moderator	Graphite
	Structure	Steel
	Buildings	Pre-fab ISO containers + concrete (precast or cast-in-place)
Reactor characteristics	Power	~15 MWe or 45 MWth
	Pressure	6 MPa
	Coolant T.	300-660°C
	Fuel mass	~950 kg
	Cycle length	3 to 6.6 EFPY
	IHX	Printed-Circuit Heat Exchanger
Balance of Plant	Secondary Medium	Molten Salt (solar salt)
	Electricity Production	Steam generator and turbines
	Efficiency	35-36%
Attributes	Passive safety, load-following, energy storage, road transportable components, zero EPZ, black start capable	

KRONOS MMR™ – Differentiated with High-TRL & De-Risked Reactor Design

High Technology Readiness Level

- Supported by proven high-temperature gas-cooled reactor (HTGR) design using TRISO fuel
- Substantial data on HTGR's 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

De-Risked Reactor Design

- We believe KRONOS MMR™ benefits from over $120 million of capital raised by its prior owner to support its development.
- Numerous issued, pending or published patents.

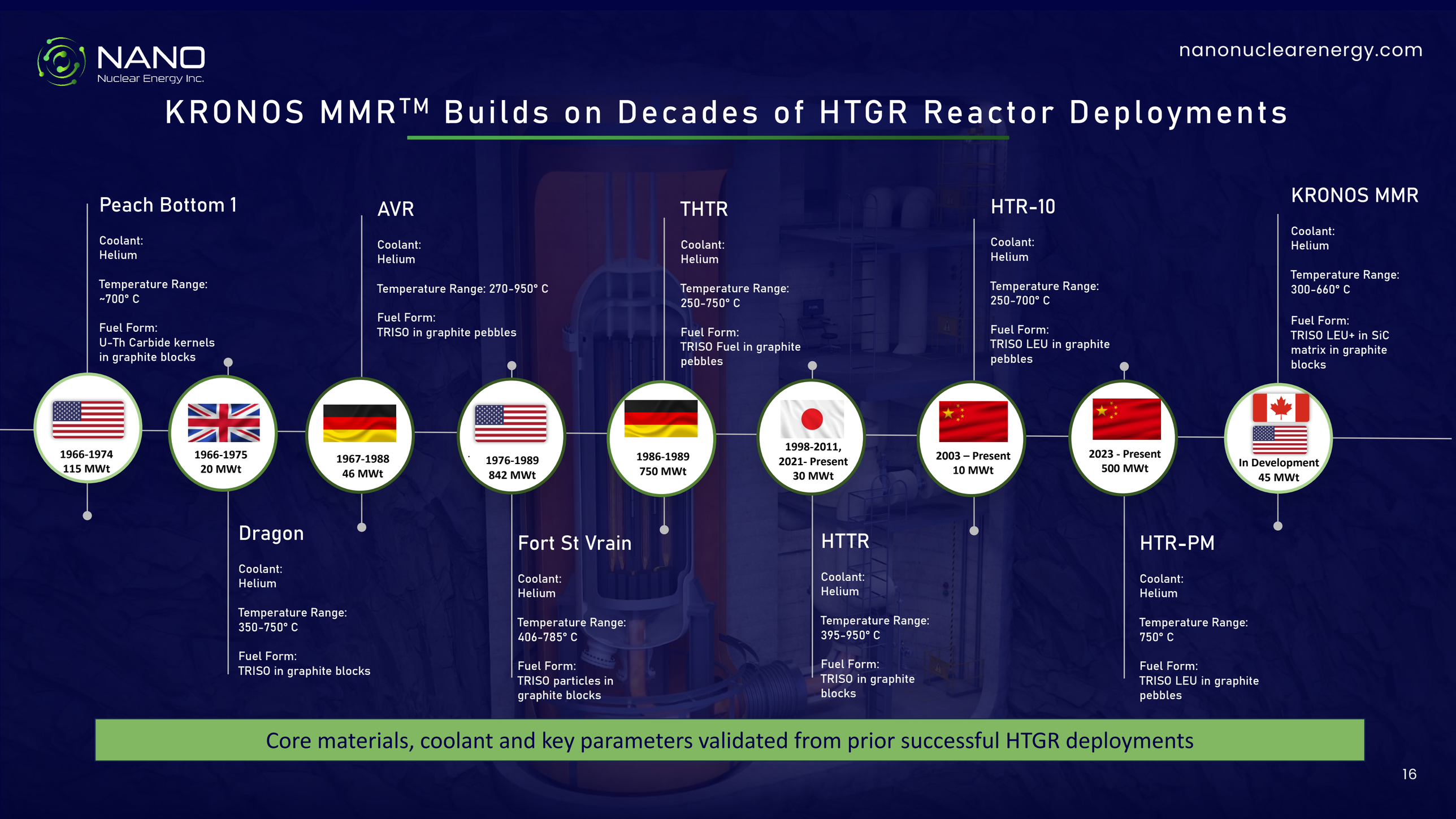
Ideal for Large Scale Projects

- 15MWe/45MWt capacity ideal for Data Center projects where many KRONOS MMR's can be connected, co-located, and used to scale cost effectively.
- As large a reactor as possible while remaining substantially modular.

Advancing in Formal Licensing in U.S. & Pre-Licensing in Canada

- Construction Permit Application Under Part 50 submitted in March 2026 & formally accepted for review by the U.S. NRC in May 2026
- KRONOS MMR was the first microreactor to enter the Canadian Nuclear Safety Commission's (CNSC) pre-licensing review
  - Working toward submission of a license to prepare site (LTPS) with the CNSC once agreement for a Canadian site & partner is finalized

KRONOS MMR™ Builds on Decades of HTGR Reactor Deployments



Peach Bottom 1

Coolant:
Helium

Temperature Range:
~700° C

Fuel Form:
U-Th Carbide kernels
in graphite blocks

1966-1974
115 MWt

Dragon

Coolant:
Helium

Temperature Range:
350-750° C

Fuel Form:
TRISO in graphite blocks

1966-1975
20 MWt

AVR

Coolant:
Helium

Temperature Range: 270-950° C

Fuel Form:
TRISO in graphite pebbles

1967-1988
46 MWt

Fort St Vrain

Coolant:
Helium

Temperature Range:
406-785° C

Fuel Form:
TRISO particles in
graphite blocks

1976-1989
842 MWt

THTR

Coolant:
Helium

Temperature Range:
250-750° C

Fuel Form:
TRISO Fuel in graphite
pebbles

1986-1989
750 MWt

HTTR

Coolant:
Helium

Temperature Range:
395-950° C

Fuel Form:
TRISO in graphite
blocks

1998-2011,
2021- Present
30 MWt

HTR-10

Coolant:
Helium

Temperature Range:
250-700° C

Fuel Form:
TRISO LEU in graphite
pebbles

2003 – Present
10 MWt

HTR-PM

Coolant:
Helium

Temperature Range:
750° C

Fuel Form:
TRISO LEU in graphite
pebbles

2023 - Present
500 MWt

KRONOS MMR

Coolant:
Helium

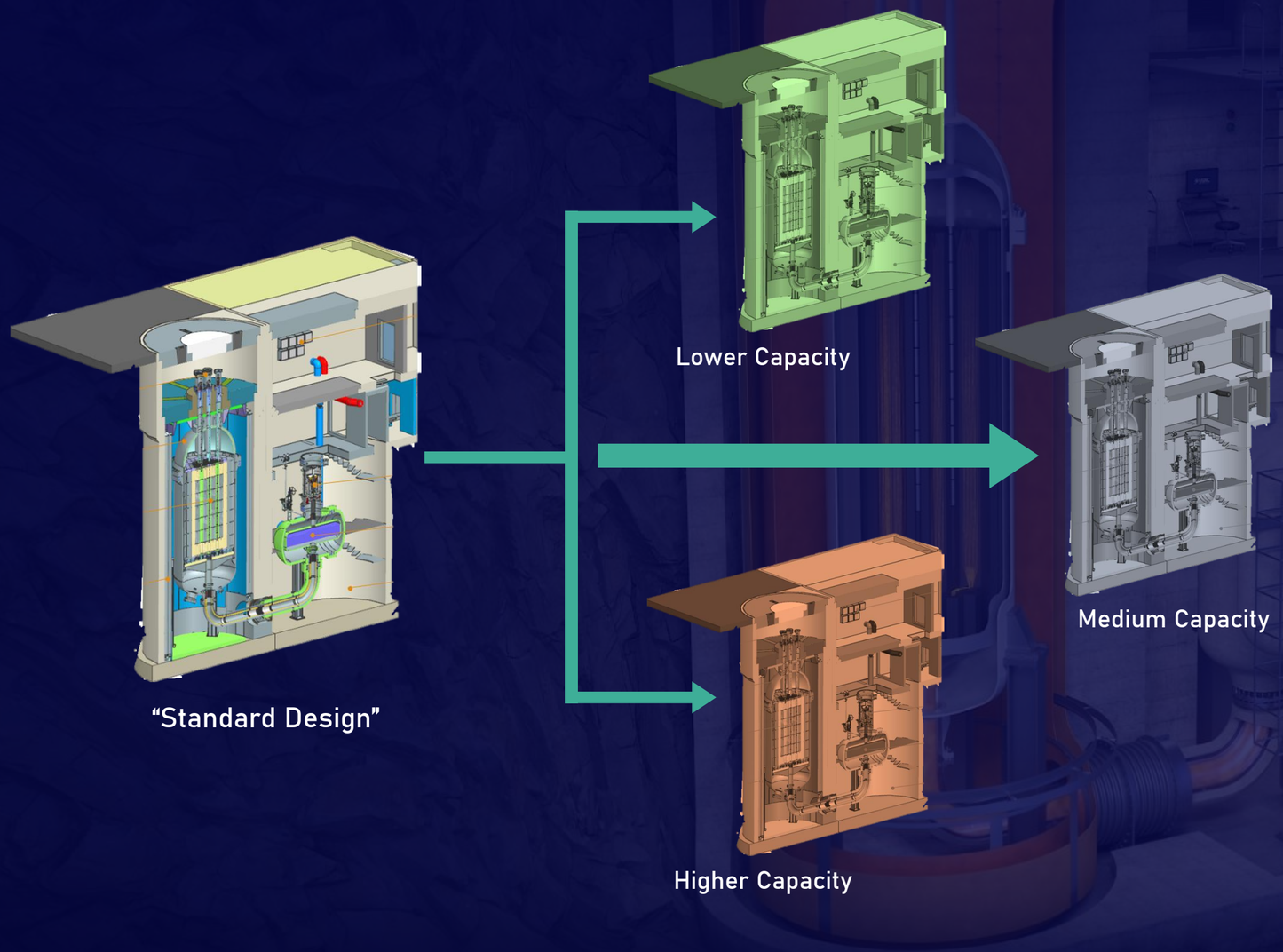
Temperature Range:
300-660° C

Fuel Form:
TRISO LEU+ in SiC
matrix in graphite
blocks

In Development
45 MWt

Core materials, coolant and key parameters validated from prior successful HTGR deployments

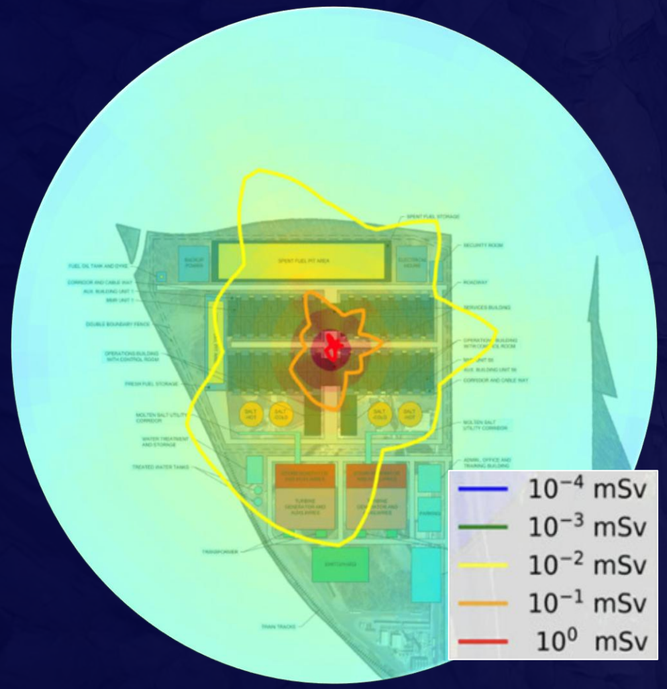
Simple/Flexible Design and Modularity Enable Deployment Versatility



- KRONOS MMR™ standard design and modularity provides versatility in deployment and ability to serve various industries and projects of different scales
  - Option 1: Standard design can be set to operate at almost any power at or below 15 MWe for one local unit for specialty needs
  - Option 2: Multiple units can be distributed to deliver power where needed
  - Option 3: Many units can be modularly deployed and connected to serve projects up to 1GWe+
- KRONOS MMR able to scale up cost effectively over time to meet staged expansions of larger projects

Reactor Safety Features Enable Favorable Footprint & Ability to Co-locate

Reactor	Negative Reactivity Feedback	Passive Heat Removal	Passive Shutdown	Safety Attributes	Fuel Safety Features
KRONOS	Yes	Yes	Yes	Inert coolant, high-temp materials	TRISO



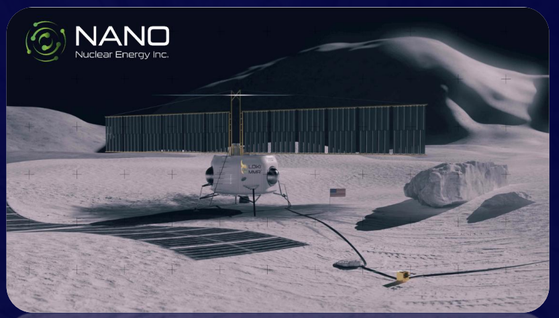
- Reactor safety features and TRISO fuel support a favorable footprint with no emergency planning zone expected, enabling the ability to co-locate at site, providing the option for off-grid/behind-the-meter power
  - TRISO fuel retains fission products at extreme temperatures, contributing to a fundamentally superior safety profile
- Illustration depicts a hypothetical radioactive dose dispersion for a 840 MWe plant, under Design Based Accident conditions
  - Yellow outline barely exceeding nuclear footprint represents radioactive dose of a “banana equivalent dose”
- Emergency Planning Zone (<1 mSv) well within the nuclear site boundary – showing meaningful radiation exposure not extending far beyond reactor building

Complementary Portfolio of Portable Reactor Designs – LOKI & ZEUS

LOKI MMR™ – Medium Capacity & Transportable

- Portable nuclear reactor designed for versatility in application and deployment, including for remote terrestrial, marine, and space environments
  - Designed for transportability via road, rail, sea, and air, enabling flexible deployment
  - Supports scalability through interconnected systems to meet higher energy demands
  - Power output between 0.5 MWe to 3 MWe
- Fuel enrichment of less than 10%
  - Fuel design is a TRISO-FCM
- Graphite Moderated

LOKI MMR™



ZEUS™ – Smallest Capacity & Solid Core Battery Reactor

- Designed to be portable, serving as substitute for diesel generators and supporting forward operations
  - Power output between 0.05 MWe to 0.5 MWe to 3 MWe
- Fuel enrichment of less than 20%
  - AGR-2 TRISO particles with UCO fuel
- Graphite Moderated
- On March 27, 2024 we filed an application for a U.S. Provisional patent for ZEUS as a solid core nuclear reactor. ZEUS has begun hardware testing using 1:2 scale graphite blocks setup for thermo-mechanical tests.
- On May 30, 2025 announced of six new Patent Applications with the United States Patent and Trademark Office (USPTO).

ZEUS
NANO Reactor

Development led by world-class experts in their field:

Professors Peter Hoseman and Massimiliano Fratoni of UC Berkeley

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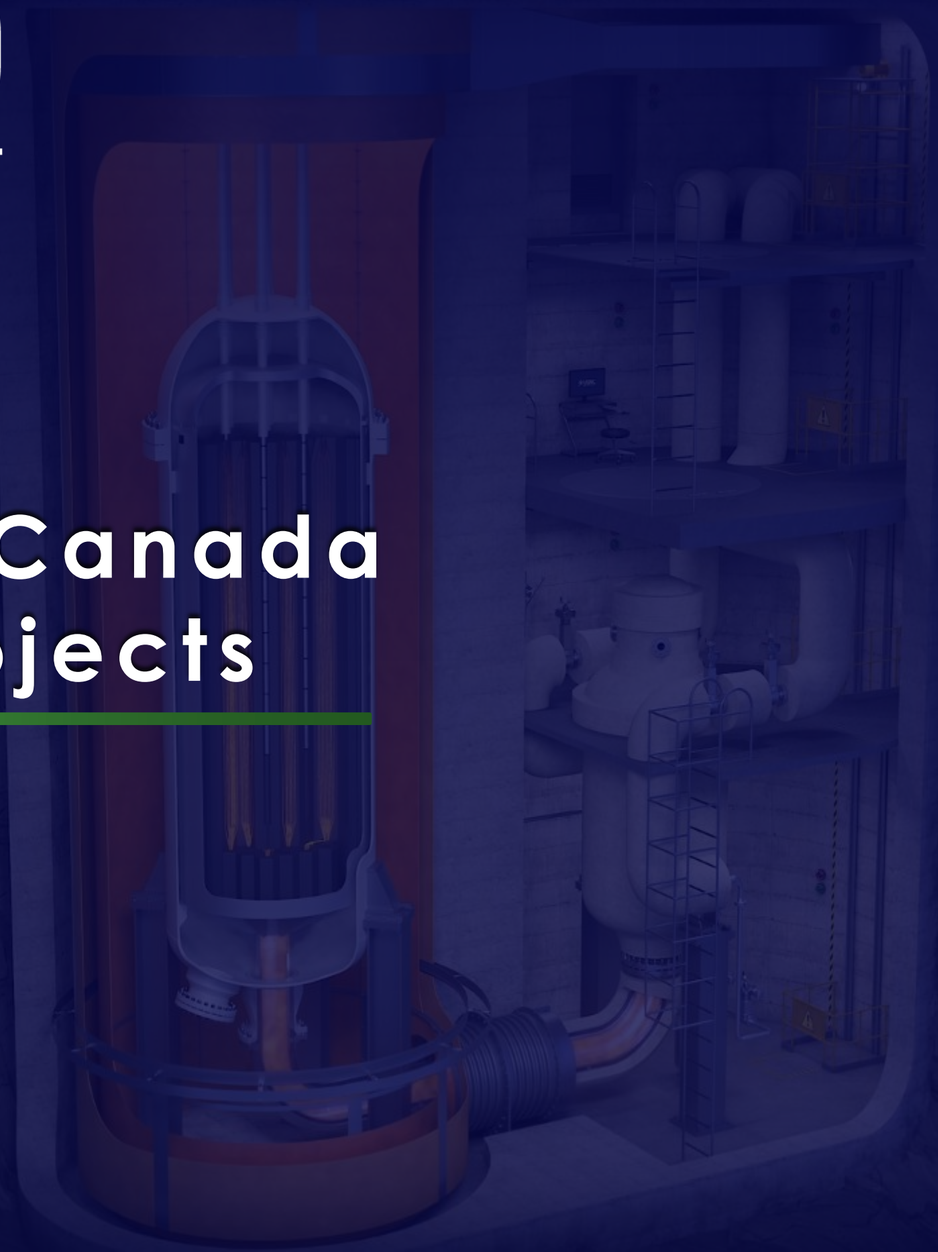

Initial U.S. & Canada Prototype Projects

U. of I. Prototype Project Details

- NANO Nuclear expects to build its 1st commercial prototype on the campus of the University of Illinois (U. of I.)
- The U. of I. submitted a Construction Permit Application or CPA to the U.S. NRC on March 31st, 2026 for the planned full-scale system deployment on the university's campus
  - The CPA was formally accepted for review on May 18th, 2026 by the U.S. NRC
  - The KRONOS MMR™ system is now among a small group of Generation IV advanced nuclear reactors, and the Company believes, the first commercially-ready microreactor to progress to the CPA stage of the U.S. NRC's formal licensing process
- Key steps following CPA submission are completion of formal review, which is expected in 2027, initiation of construction activities, which is expected in the second half of 2027, followed by submission of an operating license application, fueling, and commissioning
- Targeting project to be online by 2029 or 2030, while also evaluating opportunities to expedite project timeline

Potential Chalk River Demonstration Project Details

- NANO Nuclear aims to build a 2nd commercial prototype at Chalk River Ontario, with Canadian Nuclear Labs (CNL) as a potential partner
- Our KRONOS MMR™ was the 1st microreactor to enter Canada's Phase 1 licensing process with the Canadian Nuclear Safety Commission (CNSC), providing a potential first mover advantage
- Global First Power Limited (GFPL), which was acquired by NANO Nuclear from UltraSafe Nuclear Corporation (USNC), previously owned the CNSC licensing application for the Chalk River project and completed several pre-licensing steps in Canada
  - These include successful completion of the Vendor Design Review and early submission of the first part of the License to Prepare Site (LTPS)
- NANO Nuclear's acquisition of GFPL enables the company to continue its advancement towards submission of the LTPS step of the CNSC's licensing process, which would initiate the formal licensing process
  - NANO Nuclear waiting to finalize a partnership agreement and site agreement before submitting the LTPS
  - Key steps following a LTPS submission would be submission of a License to Construct Application, beginning construction activities, submission of a License to Operate Application, fueling and commissioning

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Commercial Opportunities & Strategic Collaborations

KRONOS' Value Proposition Drives Growing Pipeline of Commercial Opportunities

Collaboration with Supermicro to Explore Deployments for Next-Generation AI Data Center Infrastructure

About Supermicro

Supermicro is a leader provider of AI infrastructure, high-performance servers, and liquid-cooled data center systems, serving many of the world's largest hyperscale, enterprise, and cloud customers

- Leading provider of AI-optimized server and rack-scale infrastructure
- Advanced liquid-cooling and high-density data center capabilities
- Focused on energy-efficient, next-generation computing infrastructure

Collaboration Scope

MOU to explore strategic collaboration opportunities focused on:

- Deploying NANO Nuclear's KRONOS MMR to provide dedicated, on-site nuclear power for data centers
- Integrating Supermicro's AI server racks, cooling systems, and infrastructure with nuclear-powered energy solutions
- Developing joint go-to-market strategies for hyperscale, enterprise, and edge data center customers
- Enabling a new class of self-powered, grid-independent AI infrastructure

Strategic Importance

The collaboration with Supermicro reflects growing interest in advanced nuclear energy as a potential long-term power solution for AI and high-performance computing infrastructure

- Reinforces KRONOS MMR™'s positioning as a potential clean, reliable power solution for AI-driven data centers and other high-performance computing infrastructure
- Opportunity to pair NANO Nuclear's advanced reactor solution with Supermicro's leadership in AI infrastructure and liquid cooling systems
- Potential to accelerate commercial engagement and support future deployment opportunities through strategic collaboration with a leading AI infrastructure provider
- Reinforces NANO Nuclear's strategy of aligning with leading strategic partners

Collaboration with EHC Investment Offers Opportunity to Accelerate Deployment in the Gulf Region

About EHC Investment

EHC Investment is a diversified investment holding company headquartered in Abu Dhabi, UAE, with a portfolio spanning energy, safety, infrastructure and technology, and a focus on strategic investments and operating businesses

EHC INVESTMENT

EHC's Ecosystem & Capabilities

EHC Investment's integrated ecosystem brings the capabilities, experience, and regional relationships needed to accelerate and de-risk KRONOS MMR™ deployment across the Gulf Region

- Decades of large-scale energy and infrastructure project execution across the UAE and Gulf Region
- In-region engineering, construction, and project delivery capabilities through established subsidiaries
- Broad platform spanning energy, safety, and technology to support complex, mission-critical deployments

MOU & Joint Venture Scope

NANO Nuclear & EHC Investment signed an MOU to explore a Joint Venture to expedite deployment of the KRONOS MMR in the Gulf Region

- Collaboration to identify and evaluate opportunities to enter and engage select regional markets
- Assess pathways for establishing a nuclear supply chain
- Analyze potential end users and host sites for deployment of KRONOS MMR™ reactors, including industrial facilities, data centers, and other energy-intensive infrastructure.
- Identify potential future commercial agreements with EHC or other third-party stakeholders
- Identify relevant legal, policy, and regulatory frameworks, as well as key stakeholders and potential sources of financing and investment to support future project development

DS Dansuk Collaboration Positions For Expansion in South Korea

About DS Dansuk

DS DANSUK Co is a leading South Korean industrial enterprise with extensive capabilities in energy, chemical processing, and advanced manufacturing

Key Advantages

DS Dansuk expected to provide NANO Nuclear with accelerated access to:

- Korean industrial customers seeking reliable, carbon-free baseload energy
- Domestic manufacturing and supply-chain partners capable of supporting reactor localization utilizing NANO Nuclear's modular and replicable designs
- Key regulatory and institutional stakeholders and knowledge of the regulatory landscape
- Academic and research institutions supporting workforce development and nuclear innovation

Collaboration Scope

NANO Nuclear & DS Dansuk signed an MOU to establish a framework in South Korea for the localization, manufacturing, and deployment of KRONOS MMR systems

- Under the MOU, DS Dansuk will serve as NANO Nuclear's primary local industrial coordinator, supporting site identification, supply chain localization, regulatory engagement, and institutional partnerships in South Korea
- Collaboration expected to significantly accelerate NANO Nuclear's ability to move from design to deployment in one of the world's most sophisticated nuclear and industrial markets

Direct to Phase II Contract One of Several Military Deployment Opportunities

Awarded AFWERX Direct to Phase II Contract for KRONOS MMR™ RDT&E at Joint Base Anacostia-Bolling

- Awarded a Direct to Phase II (D2P2) Small Business Innovation Research (SBIR) contract by AFWERX to explore the feasibility of deploying its advanced KRONOS MMR™ Energy System at Joint Base Anacostia-Bolling (JBAB) in Washington, D.C.

- The ~$1.25 million contract will examine JBAB's current and future energy demands, grid vulnerabilities, siting options, environmental considerations, and regulatory pathways for introducing a first-of-a-kind nuclear microreactor to a dense urban military installation.

- Success with SBIR Phase 2 contract could provide opportunity for additional funding in the future

- NANO also working on additional military related opportunities also offering the potential for cost sharing

AFWERX

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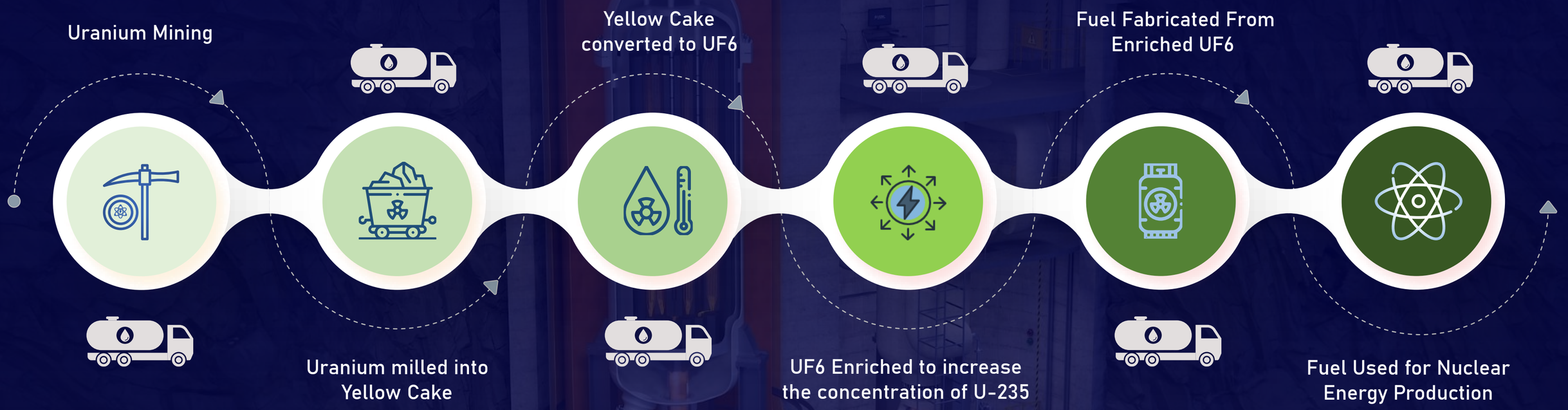
Strategic Focus on Vertical Integration & Illinois Engineering Facility

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

Fuel Transportation – Another Critical Gap in the Domestic Supply Chain

Advanced Fuel Transportation Inc. (AFT)

- AFT, a NANO Nuclear subsidiary, bolstered by the May 2026 acquisition of Secured Transportation Services (STS), is led by former executives from the largest transportation company in the world and provides nuclear engineering and materials transport services in the U.S. and globally

- Secured exclusive licensing rights for a patent of a high-capacity HALEU fuel transport cask technology (Patent No: US 11,699,534 B2) developed by the U.S. Government, three National labs and funded by the DOE
  - NANO signed an agreement with Gesellschaft für Nuklear-Service mbH (GNS) to produce an optimized HALEU transportation system solution based on NANO's exclusively licensed fuel transportation cask design
  - The agreement encompasses a study for the transport of multiple HALEU nuclear fuel types, including uranium oxide, TRISO particles, uranium-zirconium hydride, uranium mononitride, and salt fuel for molten salt reactors

ADVANCED FUEL TRANSPORTATION INC.

GNS

AFT's Acquisition of Secured Transportation Services (STS) Establishes a Fully Integrated Nuclear Fuel Logistics and Transportation Platform

- AFT acquired STS, a specialized U.S. based, globally operating nuclear logistics, transportation and services company specializing in the safe, secure and compliant movement of radioactive and nuclear materials, in May 2026

- Founded in 2005, STS brings more than two decades of specialized nuclear transportation experience and a strong track record of executing complex nuclear materials projects safely, securely and efficiently

- STS personnel have completed projects in more than 40 countries, providing operational experience in navigating various regulatory requirements and political environments

- STS currently holds approvals for more than 90% of the active U.S. NRC approved spent fuel routes in the U.S.

Strategic Collaboration with LIST Offers Potential for Differentiated Enrichment Solution

Strategic Collaboration with LIS Technologies Inc. ("LIST"), the Only U.S.-Origin and Patented Laser-Based Uranium Enrichment Company

- The collaboration intends to reinvigorate the United States' domestic uranium enrichment and fuel fabrication capabilities and includes:
- Execution of a strategic agreement between NANO and LIST under which
  (i) The parties will collaborate on advancing LIST's cutting-edge enrichment technology as it continues its development and moves towards the regulatory licensing process and
  (ii) LIST will ultimately provide NANO with quantities of enriched Uranium Hexafluoride for NANO to process into fuel forms for its reactors in development and for future sale by NANO and LIST to third parties
- LIST independently assessed with a Technology Readiness Level (TRL) of 4
- LIST also received a key Radioactive Material License from the State of Tennessee for its Demo Test Loop Facility, enabling the company to advance technology development and progress toward building a commercial uranium enrichment facility in the U.S.

LIS TECHNOLOGIES INC.

ENRICHING THE FUTURE

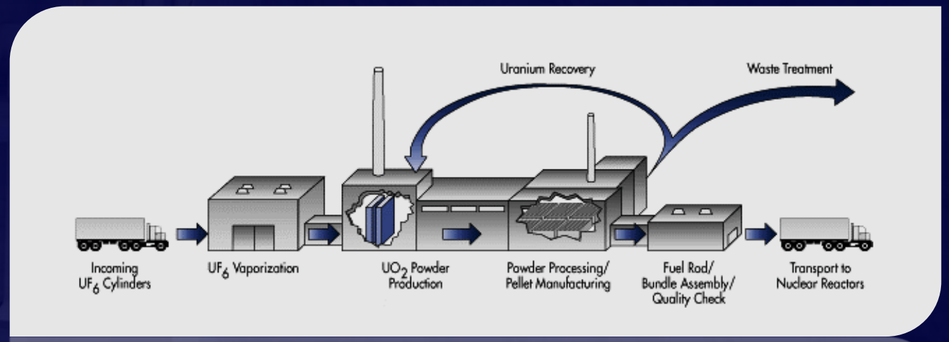
LIST Selected as Prime Contractor for DOE's $3.4 Billion LEU Acquisition Program With NANO as a Key Subcontractor

- DOE awards contract to LIST as a prime contractor and NANO as a key subcontractor under which they may access task orders with a minimum value of $2 million each as the companies seek to progress their nuclear fuel production, enrichment and related technologies and capabilities
- The total overall amount appropriated under the LEU Acquisition Program is $3.4 billion for up to 10 years, of which $2.7B has already been awarded to several companies, reflecting the DOE's commitment to bolstering domestic fuel supply chains and advancing nuclear technology

Conversion a Critical Step of the Nuclear Fuel Cycle

Conversion of Yellowcake to UF6 an Underappreciated Bottleneck to Expanding Nuclear Capacity

- Global nuclear capacity is expected to expand materially through 2050, driving sustained growth in demand for uranium conversion and broader fuel cycle infrastructure
- UF_6 conversion—an essential precursor to uranium enrichment—represents a critical enabling step in nuclear fuel production required to support both existing reactors and next-generation deployments
- Current Western conversion capacity remains concentrated and constrained, underscoring the need for additional infrastructure to improve long-term supply security and fuel availability



NANO Evaluating Opportunities to Expand Conversion Capabilities

- Signed an MOU in August 2025 with Dioxitek, an Argentinian state-owned nuclear fuel cycle and uranium dioxide production company, to evaluate and assess uranium conversion capacity and its supporting infrastructure in Argentina
- Dioxitech is Argentina's only feedstock manufacturer for nuclear fuel fabrication with existing infrastructure

dioxitek

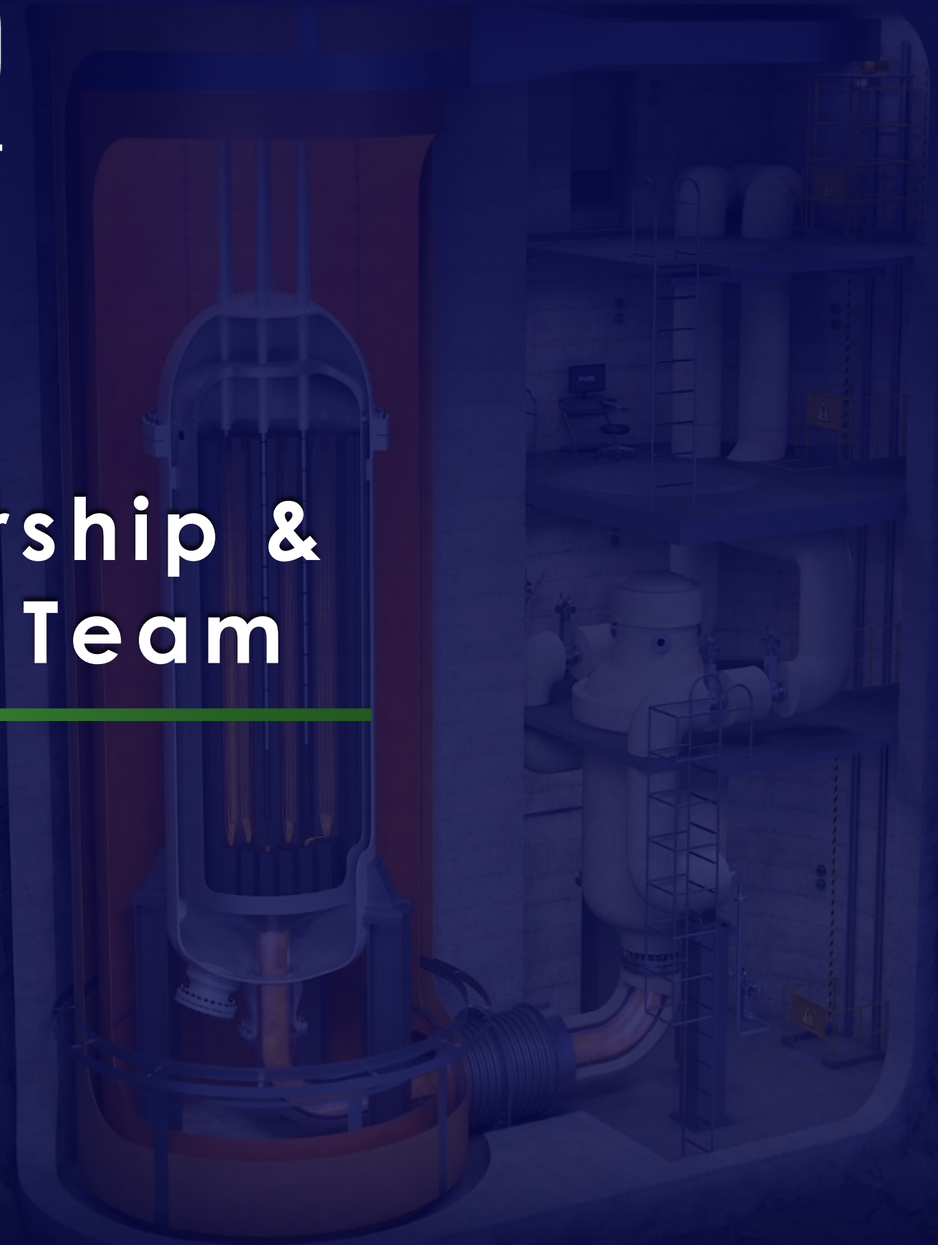
NANO Strategically Expands Footprint in Oak Brook, Illinois

NANO Acquires 23,537-Square-Foot Demonstration and Office Facility on 2.75 acres of land in Oak Brook, Illinois

- The facility will serve as a base for collaboration with the UIUC on development and regulatory licensing.
  - Oak Brook Facility expected to initially support up to 60 nuclear engineers, researchers and support staff
- Our engineering team remains focused on developing a reduced-scale, non-nuclear KRONOS MMR™ engineering demonstration at our Oak Brook facility, which is expected to support continued design refinement and technology validation
- Illinois' established infrastructure and supportive political and social environments make Illinois an ideal location for advancing next-generation reactor technologies
  - In 2023, Illinois generated 54.89% of its electricity from nuclear power and accounted for 13% of the nation's total nuclear output, according to the U.S. Energy Information Administration
- The new facility's location near the U.S.-Canada border also positions NANO to advance existing plans to bring the KRONOS MMR™ to Canada and supports commercialization efforts across North America

NANO
Nuclear Energy Inc.

Senior Leadership & Management Team



Meet Our Senior Leadership Team And Executive Directors

Jay Yu - Founder, Chairman of the Board and President

Mr. Yu is a serial and leading U.S. advanced nuclear technology entrepreneur with 20 years of capital markets experience. He is a private investor in a multitude of companies and has advised a magnitude of company executives with corporate advisory services such as capital funding, mergers & acquisitions, structured financing, corporate restructuring, and other business development services geared at taking these companies to the next level. He is a self taught and private self investor, his relentless passion for international business has helped him develop key, strategic and valuable relationships throughout the world. Mr. Yu leads the corporate structuring, capital financings, executive level recruitment, governmental relationships and international brand growth of NANO Nuclear Energy Inc. In 2021, Mr. Yu was honored as one of The Outstanding 50 Asian Americans in Business.

James Walker – BEng, MSc, CEng, CPhys, Peng – Chief Executive Officer and Board Member

Mr. Walker is a Nuclear Physicist and was the project lead and manager for constructing the new Rolls-Royce Nuclear Chemical Plant; he was the UK Subject Matter Expert for the UK Nuclear Material Recovery Capabilities, and was the technical project manager for constructing the UK reactor core manufacturing facilities. Mr. Walker was also seconded to Rolls Royce where he modeled configurations of RR's Zero-Power reactor to inform confidence limits for the UK's successor submarine's mechanical design, and worked for the Rolls-Royce Nuclear Thermal Hydraulics Engineering team investigating reactor channel thermal performance to inform new reactor designs and support the safety case for reactors in current class submarines.

Experienced Government Relations and Nuclear Regulatory Team

Michael Montecalvo- Director of Regulatory Licensing

Mr. Montecalvo has over 30 years of experience in the nuclear field including military, government, and industry. He began his nuclear career in the U.S. Navy as a Submarine Electrician, was an instructor at the S8G prototype and ended his enlistment aboard the USS Greeneville. Mr. Montecalvo transitioned to the commercial nuclear industry with positions in Operations, Maintenance, Work Control, and Human Performance. He served as the Technical Assistant to two Chief Nuclear Officers and is a previously NRC licensed PWR Senior Reactor Operator and Shift Technical Advisor. While at the NRC he supported technical reviews and risk assessments for the operating reactor fleet and was involved in furthering advancement of risk-informed performance-based regulation. He has experience with advanced reactor licensing for both power reactors and non-power utilization facilities.

David Tiktinsky - Head of Nuclear Regulatory Licensing

Mr. Tiktinsky has been an Senior Nuclear Regulatory Licensing Specialist and advisor to some of the most well known advanced nuclear technology companies in the nation. In this role, he assisted current and new applicants and licensees in licensing nuclear fuel cycle and medical isotopes facilities regulated by the Nuclear Regulatory Commission (NRC). Mr. Tiktinsky previously had 39 years of licensing and project management experience working for the NRC. He has extensive knowledge of the commercial regulatory regime and all aspects of licensing, constructing, and regulating nuclear fuel cycle and medical isotopes facilities.

Michael Norato, Ph.D. - Director of Nuclear Facilities and Infrastructure

Dr. Norato has over 25 years of experience in chemical separations technologies involving used nuclear fuel and radioactive waste processing, as well as experience in commercial nuclear industry regulation and nuclear facility decommissioning. His broad nuclear energy related background includes leadership positions at the Idaho National Laboratory (INL), U.S. Department of Energy Office of Environmental Management (DOE-EM), the U.S. Nuclear Regulatory Commission (NRC) and the Savannah River National Laboratory (SRNL).

U.S. DEPARTMENT OF ENERGY

INL Idaho National Laboratory

Experienced Government Relations and Nuclear Regulatory Team

John G. Vonglis - Executive Director of Global Government Affairs

Mr. Vonglis served as the Senate-confirmed Chief Financial Officer and Chief Risk Officer of the U.S. Department of Energy from 2017 to 2019. As CFO, John oversaw all financial matters for the Department of Energy. He was also appointed by the President as Acting Director of the Advanced Research Projects Agency-Energy (ARPA-E), a federal agency focused on advancing early-stage, high-potential, high-impact energy technologies while minimizing risk to taxpayers.

Brent Hamilton - Director of Quality Assurance

Mr. Hamilton brings over 26 years of expertise in quality control, engineering, and assurance across nuclear construction, fuel manufacturing, and DOE projects. He has led the development and implementation of Quality Management Systems to meet stringent regulatory requirements and has played key roles in projects like TRISO fuel manufacturing, the AP1000 reactors, and spent fuel handling facilities. His experience will provide critical guidance as NANO advances its reactor development initiatives.

World Class Nuclear Engineering and Technical Team

Argonne NATIONAL LABORATORY

NASA

Florent Heidet, Ph.D. - CTO and Head of Reactor Development

Chief Technology Officer and Head of Reactor Development, Ph.D. and M.Sc. in Nuclear Engineering from the University of California, Berkeley. Dr. Heidet is a world-renowned expert on advanced nuclear reactor technologies, leveraging two decades of nuclear engineering and project management expertise. Dr. Heidet was previously the Head of Engineering at Ultra Safe Nuclear Corp. (USNC), where he led a multidisciplinary team of over 100 experts working around the globe to advance the development of the KRONOS MMR™ Energy System and LOKI MMRTM technologies

Prior to his leadership role with USNC, Dr. Heidet spent 12 years at Argonne National Laboratory, where he played a central role in most of the laboratory's reactor design projects. He also led the design of the Versatile Test Reactor, a $2 billion program under the auspices of the U.S. DOE.

Berkeley UNIVERSITY OF CALIFORNIA

Nuclear Engineering

Professor Massimiliano Fratoni – Senior Director and Head of Reactor Design

Massimiliano Fratoni is Xenel Distinguished Professor and Chair in the Department of Nuclear Engineering at the University of California, Berkeley (UCB). He received a Laurea in Nuclear Engineering from Università di Roma "La Sapienza" (Italy), and a MSc and a PhD from the University of California, Berkeley. Prior to joining the Nuclear Engineering Department at UCB, he held a Research Scientist position at the Lawrence Livermore National Laboratory and a faculty position at The Pennsylvania State University.

Berkeley UNIVERSITY OF CALIFORNIA

Nuclear Engineering

Professor Peter Hosemann - Head of Nuclear Reactor Design and Materials

Professor and Department Chair of Nuclear Engineering Department in UC Berkeley. Prof. Hosemann's career started at the Montanuniversitaet Leoben in Austria where he received his Ph.D. and MS degree in Material Science. He joined Los Alamos National Laboratory in 2005 as a graduate research assistant and continued as a Post doc from 2008-2010 before joining UC Berkeley's nuclear engineering department.

Board Of Executive Advisors (Former U.S. National Leaders)

Former 47th Governor of Texas and United States Secretary of Energy Rick Perry – Chairman of Executive Advisory Board

Retired 4-Star General and Former Supreme Allied Commander Wesley K. Clark, KBE – Chairman of Executive Advisory Board for Military and Defense

Retired Lieutenant General Terry Robling - Chairman of the Executive Advisory Board for Federal and Defense Appropriations and Requirements

Retired Vice Admiral Charles J. "Joe" Leidig, Jr. – Chairman of its Executive Advisory Board for Naval Nuclear Initiatives

Chief U.S. Negotiator during the North Korean nuclear crisis of 1994 Robert Gallucci , Ph.D. – Chairman of the Executive Advisory Board for Nuclear Policy

Former Congressman Daniel M. Donovan Jr.- Chairman of the Executive Advisory Board for Market Intelligence

Lassina Zerbo, Ph.D. – Chairman of the Executive Advisory Board for Africa

Meet Our Management and Staff

Jaisun Garcha - MBA, CPA, CGA - Chief Financial Officer

Jaisun Garcha has 20 years of experience in financial management, corporate governance, and risk management in both public and private companies, including high-growth and start-up stage organizations.

Tom Cuce - President of Advanced Fuel Transportation Inc.

Tom Cuce, former UPS President of Global Transportation has over 25 years of driving transformative supply chain solutions and profitability through strategic planning and process optimization across the global logistics and package delivery industry.

Oscar Leandro, MBA - VP of Corporate Development

Oscar Leandro is an accomplished investment professional and entrepreneur with a robust track record in alternative investments and energy development.

Roy A. Boyd II- Founder & President of STS

Roy is the Founder and President of Secured Transportation Services (STS) and brings more than 32 years of experience in nuclear reactor operations, package licensing, regulatory compliance, and secure nuclear material transportation. A former U.S. Navy Nuclear Submariner and industry veteran, Roy has built STS into one of the nation's leading spent nuclear fuel transportation services company, supporting DOE, NNSA, national laboratories, and commercial nuclear operators worldwide. He maintains an active DOE Q Clearance and is recognized as a leader in nuclear transportation safety, licensing, and logistics.

NANO
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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:

ir@nanonuclearenergy.com