NANO Nuclear Energy Engages aRobotics Company and Commits to Multimillion Dollar Investment to Build Out its New Advanced Demonstration Facility

February 6, 2025

New York, N.Y., Feb. 06, 2025 (GLOBE NEWSWIRE) -- NANO Nuclear Energy Inc. (NASDAQ: NNE) ("NANO Nuclear" or "the Company"), a leading advanced nuclear energy and technology company focused on developing clean energy solutions, today announced that it has engaged **aRobotics Company**, a leading innovator in robotics fabrication, inspection, engineering and testing, to oversee the multimillion dollar build out of NANO Nuclear's recently announced demonstration facility in Westchester County, New York. aRobotics will also assist NANO Nuclear with the fabrication of key components for the demonstration facility.

Under the agreement, following completion of the facility's retrofitting, aRobotics Company will manage the construction of certain non-nuclear elements crucial to the design and operation of NANO Nuclear's four reactors in development: **ZEUS, ODIN, LOKI MMR™** and **KRONOS MMR™**. This includes leading the development and fabrication of custom sensors and equipment needed to evaluate demonstration components. Additionally, aRobotics will support NANO Nuclear's ongoing SBIR Phase III project for its Annular Linear Induction Pump (ALIP) technology, a key enabling technology within NANO Nuclear's suite of advanced nuclear energy systems.

"We are delighted to work alongside NANO Nuclear and its management team to deliver a sophisticated demonstration facility for the company," **said Akaash Kancharla, Chief Executive Officer of aRobotics Company.** "Though microreactors rely on fission processes to generate energy, there are numerous non-nuclear components which are critical to the operation of these energy systems. The experience we've gained through our extensive engineering work with the Department of Defense and large defense prime contractors will be instrumental as we support NANO Nuclear in advancing its next phase of reactor development."

Figure 1 - NANO Nuclear Energy Engages aRobotics Company to Oversee the Retrofitting of its Advanced Demonstration Facility in Westchester County, New York and Lead the Fabrication of Non-Nuclear Components for its Suite of Energy Systems.

aRobotics develops, fabricates, and operates advanced robotic systems for inspecting and testing critical infrastructure in both civilian and defense contexts. The company has been recognized with multiple honors, including the NATO DIANA Challenge, the NYC Department of Building Challenge, active contracts with all major branches of the U.S. Military (including nearly 20 SBIR awards), and the Propel by MIPIM Startup Competition. aRobotics designs, develops and fabricates its suite of engineering robotics and provides materials testing solutions in-house at its own facilities. With numerous filed, published, and issued patents in the United States and internationally, aRobotics delivers cutting-edge solutions that ensure the structural integrity of significant assets and is routinely used on large infrastructural projects across the nation from interstates to skyscrapers. Building on its extensive deep technology engineering experience, aRobotics delivers cutting-edge, mission-ready solutions with reliability, efficiency, and innovation.

"We are thrilled to engage aRobotics Company, whose proven track record in meeting stringent quality standards makes them an ideal partner," **said Jay Yu, Founder and Chairman of NANO Nuclear Energy.** "Their extensive track record, particularly their work with the U.S. Department of Defense, give us confidence in their ability to manage the design and construction of our new demonstration facility as well as oversee the fabrication of certain key components such as the ALIP technology, ensuring we continue on a clear path toward demonstration and eventual commercialization."

"We are very pleased to partner with aRobotics Company on this phase of our development," **said James Walker, Chief Executive Officer and Head of Reactor Development of NANO Nuclear Energy.** "In addition to overseeing the final build out of our new demonstration facility, aRobotics will play a pivotal role in fabricating and refining essential non-nuclear components that support our reactor energy systems. Their efforts will complement our technical teams' work, helping to accelerate design development and maintain the highest standards of safety and performance for our reactors."

About NANO Nuclear Energy, Inc.

NANO Nuclear Energy Inc. (NASDAQ: NNE) is an advanced technology-driven nuclear energy company seeking to become a commercially focused, diversified, and vertically integrated company across five business lines: (i) cutting edge portable and other microreactor technologies, (ii) nuclear fuel fabrication, (iii) nuclear fuel transportation, (iv) nuclear applications for space and (v) nuclear industry consulting services. NANO Nuclear believes it is the first portable nuclear microreactor company to be listed publicly in the U.S.

Led by a world-class nuclear engineering team, NANO Nuclear's reactor products in development include **"ZEUS", a solid core battery reactor,** and

“ODIN”, a low-pressure coolant reactor, each representing advanced developments in clean energy solutions that are portable, on-demand capable, advanced nuclear microreactors. NANO Nuclear is also developing patented stationary **KRONOS MMR ™ Energy System** and space focused, portable **LOKI MMR ™**.

Advanced Fuel Transportation Inc. (AFT), a NANO Nuclear subsidiary, is led by former executives from the largest transportation company in the world aiming to build a North American transportation company that will provide commercial quantities of HALEU fuel to small modular reactors, microreactor companies, national laboratories, military, and DOE programs. Through NANO Nuclear, AFT is the exclusive licensee of a patented high-capacity HALEU fuel transportation basket developed by three major U.S. national nuclear laboratories and funded by the Department of Energy. Assuming development and commercialization, AFT is expected to form part of the only vertically integrated nuclear fuel business of its kind in North America.

HALEU Energy Fuel Inc. (HEF), a NANO Nuclear subsidiary, is focusing on the future development of a domestic source for a High-Assay, Low-Enriched Uranium (HALEU) fuel fabrication pipeline for NANO Nuclear’s own microreactors as well as the broader advanced nuclear reactor industry.

NANO Nuclear Space Inc. (NNS), a NANO Nuclear subsidiary, is exploring the potential commercial applications of NANO Nuclear’s developing micronuclear reactor technology in space. NNS is focusing on applications such as the LOKI MMR ™ system and other power systems for extraterrestrial projects and human sustaining environments, and potentially propulsion technology for long haul space missions. NNS’ initial focus will be on cis-lunar applications, referring to uses in the space region extending from Earth to the area surrounding the Moon's surface.

For more corporate information please visit: https://NanoNuclearEnergy.com/

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Cautionary Note Regarding Forward Looking Statements

This news release and statements of NANO Nuclear’s management in connection with this news release 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, which may impact our expected future business and financial performance, and often contain words such as “expects”, “anticipates”, “intends”, “plans”, “believes”, “potential”, “will”, “should”, “could”, “would” or “may” and other words of similar meaning. In this press release, forward-looking statements include statements regarding the qualifications of aRobotics Company as applied to NANO Nuclear’s projects as well as other anticipated benefits of the NANO Nuclear’s engagement of aRobotics Company. These and other forward-looking statements are based on information available to us as of the date of this news release and represent management's current views and assumptions. Forward-looking statements are not guarantees of future performance, events or results and involve significant known and unknown risks, uncertainties and other factors, which may be beyond our control. 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 fuel 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 (vi) similar risks and uncertainties associated with the operating an early stage business a highly regulated and rapidly evolving industry. Readers are cautioned not to place undue reliance on these forward-looking statements, which apply only as of the date of this news release. These factors may not constitute all factors that could cause actual results to differ from those discussed in any forward-looking statement, and NANO Nuclear therefore encourages investors to review other factors that may affect future results in its filings with the SEC, which are available for review at www.sec.gov and at https://ir.nanonuclearenergy.com/financial-information/sec-filings. Accordingly, forward-looking statements should not be relied upon as a predictor of actual results. We do not undertake to update our forward-looking statements to reflect events or circumstances that may arise after the date of this news release, except as required by law.

Attachment

- Figure 1

Figure 1

NANO Nuclear Energy Engages aRobotics Company to Oversee the Retrofitting of its Advanced Demonstration Facility in Westchester County, New York and Lead the Fabrication of Non-Nuclear Components for its Suite of Energy Systems.

Source: NANO Nuclear Energy Inc.