Terra Innovatum Achieves Key NRC Licensing Milestone, Delivers All 18 SOLO™ PSAR Chapters for Readiness Review as it Advances Toward 2027 First Reactor Deployment

November 4, 2026

Delivery of all 18 PSAR chapters for NRC readiness review underscores continued execution across licensing, manufacturing and deployment activities

NEW YORK and PITTSBURGH, Nov. 04, 2026 (GLOBE NEWSWIRE) -- Terra Innovatum Global N.V. (NASDAQ: **NKLR**) ("**Terra Innovatum**" or the " **Company**"), developer of the SOLO™ Micro-Modular Reactor, today announced that it has now provided all 18 chapters of its Preliminary Safety Analysis Report ("**PSAR**") to the U.S. Nuclear Regulatory Commission (" **NRC**") for readiness review.

The milestone follows the Company's October announcement that 14 of the 18 chapters had been shared with NRC staff and marks another significant step toward formal submission of its Construction Permit Application ("**CPA**").

Terra Innovatum continues to advance multiple workstreams, including NRC licensing activities, reactor engineering, component procurement, and manufacturing preparations, supporting its targeted first-of-a-kind ("FOAK") deployment in 2027. In parallel, the Company is expanding commercial development efforts to engage prospective customers and respond to growing demand for reliable, scalable power.

Importantly, Terra Innovatum believes it already has the capital necessary to fund all remaining activities through its planned FOAK reactor deployment, providing a strong financial foundation for continued execution of its commercialization strategy.

"We continue to execute against the milestones we've established, demonstrating consistent progress toward bringing SOLO™ to market," said **Marco Cherubini, Founder and Chief Technology Officer of Terra Innovatum**. "Providing all 18 PSAR chapters to the NRC for readiness review is another important achievement for our team. We are not simply progressing through regulatory milestones. We are building the supply chain, advancing manufacturing readiness and preparing for deployment at the same time. This coordinated approach, together with our fully funded path toward first reactor deployment in 2027, positions Terra Innovatum at the forefront of the microreactor industry's transition from development to commercialization. We believe SOLO™ will be among the first commercially available next-generation microreactors introduced to the marketplace, addressing the growing demand for reliable, scalable power across AI and data centers, industrial operations, critical infrastructure and healthcare."

The NRC readiness review is an assessment of the completeness and quality of the Company's materials ahead of formal CPA submission. Terra Innovatum maintains regular technical interactions with NRC staff and stands ready to address any comments or requests arising during the review process.

"Our engagement with the NRC continues at a constructive and steady pace, supported by regular technical interactions and a focus on a thorough, efficient review process," said **Cesare Frepoli, Ph.D., Co-Founder, Chief Operating Officer, and Director of Licensing and Regulatory Affairs at Terra Innovatum**. "Providing all 18 PSAR chapters represents another important step in our licensing journey, and we look forward to continuing our work with NRC staff as we advance toward formal submission of the Construction Permit Application."

In parallel, the Company continues to advance engineering, quality assurance and licensing activities in support of the CPA and subsequent stages of SOLO™'s development. These efforts are progressing alongside ongoing component procurement, manufacturing preparations and first-of-a-kind deployment planning, reflecting Terra Innovatum's integrated approach to bringing SOLO™ to market. Together, these activities reinforce the Company's commitment to translating its technology into commercially deployable nuclear power solutions, with its first SOLO™ reactor targeted for deployment in 2027.

ABOUT TERRA INNOVATUM & SOLO™

Terra Innovatum is advancing innovative, sustainable nuclear energy solutions through the **SOLO™ Micro-Modular Reactor** Conceptualized in 2018 and engineered over six years by experts in nuclear safety, licensing and R&D, SOLO™ is designed for efficient today's world commercial deployment; using readily available commercial components to reduce supply-chain risk and improve cost predictability. Running on the only commercially available and non-proliferant fuel LEU, its flexible platform is designed to support LEU+ and transition to future fuel options, including HALEU.

SOLO™ is designed to provide CO_2-free, behind-the-meter and off-grid consistent power and heat for data centers, remote communities and energy-intensive industries including cement, oil and gas, steel and mining, desalination, water treatment and

co-generation, as well as defense installations. Its modular architecture can scale from individual units of 1MWe to deployments of 1 GW or more, while also supporting specialized applications such as medical radioisotope production.

To learn more, visit: https://investors.terrainnovatum.com/.
Follow us on X: https://x.com/TerraInnovatum
and LinkedIn: https://www.linkedin.com/company/terra-innovatum-solo/.

CONTACTS

Giordano Morichi
Founding Partner, Managing Director of Global Business Development and Investor Relations
Terra Innovatum Global N.V.
E: g.morichi@terrainnovatum.com
W: www.terrainnovatum.com

Investor and Media Relations
Simon Willcocks, Alliance Advisors IR
E: investors@terrainnovatum.com

FORWARD-LOOKING STATEMENTS

This press release includes “forward-looking statements” within the meaning of the federal securities laws, including, but not limited to, opinions and projections prepared by Terra Innovatum’s management. Forward-looking statements generally relate to future events or future financial or operating performance, including pro forma and estimated financial information, and other “forward-looking statements” (as such term is defined in the Private Securities Litigation Reform Act of 1995). The recipient can identify forward-looking statements because they typically contain words such as “outlook,” “believes,” “expects,” “will,” “projected,” “continue,” “increase,” “may,” “should,” “could,” “seeks,” “predicts,” “intends,” “trends,” “plans,” “estimates,” “anticipates” or the negatives or variations of these words or other comparable words and/or similar expressions (but the absence of these words and/or similar expressions does not mean that a statement is not forward-looking).

These forward-looking statements specifically include, but are not limited to, statements regarding estimates and forecasts of financial and performance metrics, projections of market opportunity and market share, expected timing for regulatory approvals and commercialization and the potential success of Terra Innovatum’s strategy and expectations. Forward-looking statements, opinions and projections are neither historical facts nor assurances of future performance. Instead, they are based only on current beliefs, expectations and assumptions regarding the future of Terra Innovatum’s business, future plans and strategies, projections, anticipated events and trends, the economy and other future conditions. Because forward-looking statements relate to the future, they are subject to inherent uncertainties, risks and changes in circumstances that are difficult to predict and many of which are outside of Terra Innovatum’s control. These uncertainties and risks may be known or unknown.

Factors that may cause actual results to differ materially from current expectations include, but are not limited to: changes in domestic and foreign business, market, financial, political and legal conditions; future global, regional or local economic and market conditions; the development, effects and enforcement of laws and regulations; Terra Innovatum’s ability to manage future growth; Terra Innovatum’s ability to develop new products and services, bring them to market in a timely manner, and make enhancements to its platform; the effects of competition on Terra Innovatum’s future business; and the outcome of any potential litigation, government and regulatory proceedings, investigations and inquiries and other risks and uncertainties described under the heading “Risk Factors” in documents Terra Innovatum files from time to time with the Securities and Exchange Commission including Form 10-Q for the quarter ended June 30, 2026. If any of these risks materialize or Terra Innovatum’s assumptions prove incorrect, actual results could differ materially from the results implied by the forward-looking statements contained herein. In addition, forward-looking statements reflect Terra Innovatum’s expectations and views as of the date of this press release. Terra Innovatum anticipates that subsequent events and developments will cause its assessments to change. However, while Terra Innovatum may elect to update these forward-looking statements in the future, it specifically disclaims any obligation to do so. Accordingly, you should not place undue reliance on the forward-looking statements, which speak only as of the date they are made.