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Sidus Space Announces Successful On-Orbit Operation of FeatherEdge™ Gen-2 Aboard LizzieSat®-3

Commercial Availability and Third-Party AI Integration Unlock New Revenue Streams Across Multiple Markets

CAPE CANAVERAL, Fla.--(BUSINESS WIRE)-- Sidus Space (NASDAQ: SIDU), (the "Company" or "Sidus"), an innovative, agile space mission enabler, today announced the successful on-orbit operation of its advanced onboard edge computer, FeatherEdge™ GEN-2, integrated into the ongoing commissioning of LizzieSat®-3 (LS-3).

FeatherEdge™ GEN-2 is now flight-proven and commercially available, offering 100 trillion operations per second (TOPS) of AI processing power in a space-hardened, compact format. By leveraging NVIDIA's Jetson Orin™ NX module, this advanced onboard computer is built to perform in harsh radiation environments—making it ideal for sustained low Earth orbit missions. After successful on-orbit validation, FeatherEdge™ GEN-2 is now commercially available for customers seeking compact, high-performance AI processing solutions.

"We are excited to share that FeatherEdge™ GEN-2 is fully operational onboard LizzieSat®-3," said Carol Craig, CEO of Sidus Space. "What sets this technology apart is its broad market applicability. While designed for space, FeatherEdge™ GEN-2 has the potential to drive revenue across multiple domains—including defense, intelligence, maritime, aviation, and terrestrial remote sensing—by enabling near real-time data processing at the edge."

In addition, Sidus is now enabling third-party algorithm integration aboard LizzieSat®-3, allowing government and commercial space domain customers to test and deploy proprietary AI solutions in orbit without building their own satellite infrastructure.

As LizzieSat®-3 continues to perform successfully through its commissioning phase, we believe the platform is demonstrating its potential to become a flexible, revenue-generating asset with dual-use applicability far beyond space. FeatherEdge™ GEN-2 opens up high-value opportunities for recurring revenue through hardware sales, data processing services, and technology integration—positioning Sidus to capitalize on future growth across both government and commercial sectors.

About Sidus Space

Sidus Space (NASDAQ: SIDU) is a space mission enabler providing flexible, cost-effective solutions, including satellite manufacturing and technology integration, AI-driven space-

based data solutions, mission planning and management operations, AI/ML products and services, and space and defense hardware manufacturing. With its mission of Space Access Reimagined[®], Sidus Space is committed to rapid innovation, adaptable and cost-effective solutions, and the optimization of space system and data collection performance. With demonstrated space heritage, including manufacturing and operating its own satellite and sensor system, LizzieSat[®], Sidus Space serves government, defense, intelligence, and commercial companies around the globe. Strategically headquartered on Florida's Space Coast, Sidus Space operates a 35,000-square-foot space manufacturing, assembly, integration, and testing facility and provides easy access to nearby launch facilities. For more information, visit: www.sidusspace.com.

Forward-Looking Statements

Statements in this press release about future expectations, plans and prospects, as well as any other statements regarding matters that are not historical facts, may constitute 'forward-looking statements' within the meaning of The Private Securities Litigation Reform Act of 1995. These statements include, but are not limited to, statements relating to the expected trading commencement and closing dates. The words 'anticipate,' 'believe,' 'continue,' 'could,' 'estimate,' 'expect,' 'intend,' 'may,' 'plan,' 'potential,' 'predict,' 'project,' 'should,' 'target,' 'will,' 'would' and similar expressions are intended to identify forward-looking statements, although not all forward-looking statements contain these identifying words. Actual results may differ materially from those indicated by such forward-looking statements as a result of various important factors, including: the uncertainties related to market conditions and other factors described more fully in the section entitled 'Risk Factors' in Sidus Space's Annual Report on Form 10-K for the year ended December 31, 2024, and other periodic reports filed with the Securities and Exchange Commission. Any forward-looking statements contained in this press release speak only as of the date hereof, and Sidus Space, Inc. specifically disclaims any obligation to update any forward-looking statement, whether as a result of new information, future events or otherwise.

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