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Sidus Space Successfully Launches LizzieSat™-3, Expanding AI-Driven On-Orbit Capabilities

Third satellite launch in 12 months demonstrates Sidus' AI-powered rapid response solutions

CAPE CANAVERAL, Fla.--(BUSINESS WIRE)-- Sidus Space (NASDAQ: SIDU) (the "Company" or "Sidus"), an innovative, agile space mission enabler, today announced the successful launch, deployment and operation of LizzieSat™-3 into Low Earth Orbit (LEO) as part of the Transporter-13 rideshare mission with SpaceX, which launched March 14th, from Vandenberg Space Force Base in California. LizzieSat™-3 joins LizzieSat™-1 and 2, which have been in orbit since March 2024 and December 2024, respectively, forming an expanding multi-mission constellation to deliver near real-time AI-driven data solutions.

"We've successfully launched three hybrid, additively manufactured satellites equipped with advanced AI edge-computing capabilities in just 12 months, solidifying our position as a leader in space technology, artificial intelligence, and innovation. This achievement highlights our rapid response capabilities, as well as our expertise in delivering groundbreaking solutions that push the boundaries of what is possible in space," said Carol Craig, CEO of Sidus Space. "Combined with our commitment to providing low-cost, efficient solutions, we're uniquely positioned to support a diverse range of space and defense missions with unparalleled performance. We continue to demonstrate our ability to innovate, execute, and lead in ways that are transforming the future of space exploration and defense."

Advancing Space-Based AI with Proprietary Orlaith AI Platform

LizzieSat™-3 marks a major milestone in Sidus Space's mission to provide near real-time data to government, defense, intelligence and commercial customers. The satellite is equipped with a suite of advanced sensors and the next generation of Sidus' proprietary artificial intelligence ecosystem, Sidus Orlaith™. At the core of LizzieSat™-3's capabilities, Sidus Orlaith™ enables on-orbit data processing for critical applications such as Space Situational Awareness (SSA), maritime monitoring and disaster response.

The Sidus Orlaith AI Platform™ is powered by the edge computer, FeatherEdge™ GEN 2, featuring the NVIDIA Jetson NX Orin module which is capable of 100 Trillion Operations per Second (TOPS). This advanced space-rated AI processing system is optimized for delivering high-performance, near real-time data analytics directly from space.

Sidus Orlaith™ enables autonomous, on-orbit processing, reducing reliance on ground-based computing and significantly decreasing latency for time-sensitive intelligence and mission-critical operations. With near real-time algorithm updates and a space-to-space data

relay module, LizzieSat™-3 enhances direct-to-user data transfer capabilities, ensuring that customers receive actionable insights faster than ever before.

As Sidus Space continues to expand its own constellation and design and manufacture satellites for others, the continued successful integration of AI-powered decision-making and near real-time analytics positions the company at the forefront of space-based technology and artificial intelligence solutions.

About Sidus Space

Sidus Space (NASDAQ: SIDU) is a space mission enabler providing flexible, cost-effective solutions, including custom satellite design, payload hosting, mission management, AI-enhanced space-based sensor data-as-a-service and space 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, 2023, 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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