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Sidus Space Finalizes Commercial Pathfinder Mission Agreement with Lonestar for LizzieSat®-5 Mission

Mission to Validate High-Capacity In-Space Storage and Edge Processing Using Modular Satellite Architecture

CAPE CANAVERAL, Fla.--(BUSINESS WIRE)-- Sidus Space (NASDAQ: SIDU) ("Sidus" or the "Company"), an innovative space and defense technology company, today announced the execution of a Commercial Pathfinder Mission Agreement with [Lonestar Data Holdings, Inc.](#) ("Lonestar") for the design and integration of Lonestar's high-capacity Digital Data Storage Payload, featuring edge processing capabilities, onto LizzieSat®-5, a Low Earth Orbit (LEO) satellite within Sidus' LizzieSat® micro-constellation.

Under the terms of the agreement, Sidus will design, develop, and integrate one Lonestar payload onto LizzieSat®-5, along with arranging deployment and payload commissioning in coordination with Lonestar. The mission serves as the roll out of Lonestar's commercial offering for in-space data storage and edge processing technologies, designed to establish sovereign, secure, and scalable orbital data infrastructure where data from Earth can be uplinked, stored long-term, processed, and downlinked as needed from onboard a spacecraft.

"This mission exemplifies how modular satellite design and integrated partnerships can rapidly advance commercial space innovation," said Carol Craig, Founder and CEO of Sidus Space. "By hosting Lonestar's Data Storage Payload on LizzieSat®-5, we're not only enabling new applications for edge computing in orbit but also strengthening the foundation for secure, scalable data networks across LEO."

In accordance with the agreement, the mission aims to validate long-term, sovereign data retention and near real-time analytics capabilities from space. Sidus will maintain operational control of the satellite through Launch and Early Orbit Phase (LEOP) and commissioning at an orbital altitude of approximately 500-550 km.

"After our successful test flights earlier this year, this mission with Sidus represents the perfect next step for our commercial service," said Chris Stott, CEO of Lonestar Data Holdings.

The LizzieSat®-5 mission builds upon the growing collaboration between Sidus and Lonestar, following the companies' earlier preliminary \$120 million agreement for future lunar data storage spacecraft, underscoring Sidus' expanding role as a trusted mission enabler across both LEO and cislunar domains.

About Sidus Space

Sidus Space (NASDAQ: SIDU) is an innovative space and defense technology provider offering 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.

About Lonestar Data Holdings

Lonestar Data Holdings is a pioneering data center company using space technology for secure, sovereign and accessible off-Earth data storage and other services for resiliency and continuity of operations purposes. Leveraging multiple orbits including Low Earth Orbit and Cislunar orbits, it provides Resiliency as a Service (RaaS) by backing up terrestrial data centers through an independent and air-gapped space-based network.

Founded by experts in cloud and space sectors, Lonestar applies exponential technologies to in-space data storage to protect critical data for government and enterprise clients alike. Backed by investors including Scout Ventures, 2 Future Holdings, Seldor Capital, the Veteran Fund, Irongate Global Capital, Atypical Ventures, Kittyhawk Ventures, and Backswing Ventures.

In February 2024 and 2025, Lonestar successfully tested its first small data storage payload from the Moon and Cislunar space. The company is rolling out its first commercial service in LEO in Q4 2026 and will continue to build off its successes and expand into multiple orbits, including Cislunar space.

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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