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# Sidus Space Develops Advanced High-Speed Switch Card Expanding Products to Support Small Satellite Supply Chain

## **New Hybrid 3D Printed Switch Card Integrated in LizzieSat™-2 and 3 Enhanced Designs**

CAPE CANAVERAL, Fla.--(BUSINESS WIRE)-- Sidus Space (NASDAQ: SIDU) (the "Company" or "Sidus"), a provider of end-to-end precision Space Infrastructure solutions that include satellite Data-as-a-Service on its proprietary on-orbit platform, today announced that it has designed and developed an advanced high speed switch card using the Frontgrade protocol independent Crosspoint Switch. The multi-payload switch card is integrated in LizzieSat™-2 (LS-2) and is offered as a standalone product to support the Small Satellite Supply Chain.

"At Sidus Space, we are at the forefront of innovation, collaborating with industry leaders to develop reliable and adaptable technology capable of withstanding the harshest spaceborne conditions. By continuing to integrate cutting-edge in-house 3D printing technology into our product portfolio, we achieve unparalleled precision and customization, setting new standards in the industry while delivering exceptional value to our customers," said Carol Craig, CEO of Sidus Space.

The Sidus Low Voltage Differential Signaling (LVDS) Switch Card serves as port replicator and extends the capabilities of the payload processor, enabling communication with multiple optical sensors through high speed LVDS data connections. Low voltage differential signaling (LVDS) is a standard for high-speed, low-power communication that uses differential signals to transmit data over long distances. Frontgrade's 3.125Gbps Crosspoint Switch has enhanced redundancy and fault tolerance making it compatible with the Space VPX VITA 78 standard, an industry standard for avionics boards and interconnects between space systems and components.

Sidus Space will leverage its business operations, marketing resources, and extensive heritage as a trusted space systems supplier to bring this advanced technology offering to market. The Sidus switch cards are anticipated to go into full rate production in 2025.

### **About Sidus Space**

Sidus Space (NASDAQ: SIDU) is a multi-faceted Space Infrastructure-as-a-Service satellite company focused on mission-critical hardware manufacturing; multi-disciplinary engineering services; satellite design, production, launch planning, mission operations; and in-orbit support. The Company is in Cape Canaveral, Florida, where it operates from a 35,000-square-foot manufacturing, assembly, integration, and testing facility focused on vertically

integrated Space-as-a-Service solutions including end-to-end satellite support.

Sidus Space has a mission of Bringing Space Down to Earth™ and a vision of enabling space flight heritage status for new technologies while delivering data and predictive analytics to domestic and global customers. More than just a “Satellite-as-a-Service” provider, Sidus Space products and services are offered through its several business units: Space-as-a-Service, Space-Based Data Solutions, AI/ML Products and Services, Mission Planning and Management Operations, 3D Printing and Products and Services, Satellite Manufacturing and Payload Integration, and Space and Defense Hardware Manufacturing. Sidus Space is ISO 9001:2015, AS9100 Rev. D certified, and ITAR registered.

### **About Frontgrade**

Frontgrade Technologies is the leading provider of high reliability and radiation assured solutions for defense, space, intelligence, commercial, and civil applications. The company's product portfolio is designed to perform in the harshest of environments and includes a complementary and integrated suite of mission-matched electronics ranging from radio frequency (RF) systems and microelectronics to motion control and power solutions. For more information, visit [frontgrade.com](https://www.frontgrade.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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