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Revolutionizing Thermal Sensing: Sidus Space Demonstrates AI Enhanced Firefighting Software Solution on LizzieSat™

CAPE CANAVERAL, Fla.--(BUSINESS WIRE)-- Sidus Space (NASDAQ: SIDU) ("the Company" or "Sidus"), a multi-faceted Space and Data-as-a-Service satellite company, has announced the successful demonstration of an advanced software solution supported by its FeatherEdge technology aboard its LizzieSat™ satellite, which launched in March 2024 on SpaceX's Transporter-10 mission. This innovation, achieved in collaboration with [Xiomas Technologies](#), represents a significant milestone in the NASA-funded initiative to develop advanced thermal sensors, setting a new standard in space-based thermal sensing systems.

The FeatherEdge solution is a result of years of innovation and research enhancing the performance and precision of sensing instruments aboard satellites including thermal infrared sensors. Unlike traditional methods which rely on infrared sensors to collect data and downlink it to the ground for processing, FeatherEdge supports advanced algorithms trained on representative imagery to deliver unparalleled accuracy and reliability in thermal data acquisition and analysis.

"At Sidus Space, we are dedicated to advancing the frontiers of Space Based Data Collection" said Jeremy Allam, Vice President of AI Products. "The demonstration of FeatherEdge capabilities on LizzieSat™ represents a transformative leap forward in thermal sensing, allowing us to process and analyze time critical data on orbit. This advancement empowers researchers, scientists, and decision makers with timely and precise thermal data. Every second counts when fighting fires."

The successful deployment of FeatherEdge technology on LizzieSat™ underscores the efficacy of collaborative efforts between industry leaders and research institutions in driving innovation and progress in space technology. By harnessing the power of artificial intelligence and machine learning, Sidus Space continues to spearhead efforts aimed at unlocking new possibilities in space exploration and Earth observation.

About Sidus Space

Sidus Space (NASDAQ: SIDU) is a multi-faceted Space and Data-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.

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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