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Sidus Space Enables Little Place Labs Near Real-Time Maritime Intelligence with LizzieSat®-Powered Vessel Detection Solution

CAPE CANAVERAL, Fla.--(BUSINESS WIRE)-- Sidus Space (NASDAQ: SIDU) (the "Company" or "Sidus"), an innovative, agile space mission enabler, today announced the unveiling of near real-time vessel detection and classification capability to be enabled by its hybrid 3D printed LizzieSat® satellite platform. Processing data directly onboard LizzieSat® through Sidus Orlaith™ AI Ecosystem, which includes FeatherEdge™ edge computing hardware, and the OrbitfyEdge software from Little Place Labs, represents a significant advancement in space-based maritime intelligence.

This press release features multimedia. View the full release here: https://www.businesswire.com/news/home/20250417510449/en/

Sidus Space and Little Place Labs met at the 40th Space Symposium on April 9, 2025, to discuss the upcoming announcement of Sidus Space enabling Little Place Labs near real-time maritime intelligence with the LizzieSat®-powered vessel detection solution. From left to right: Jim Larson, Senior Vice President, AI Strategic Initiatives for Sidus Space, Carol Craig, Founder and CEO of Sidus Space, Bosco Lai, Co-Founder and CEO of Little Place Labs and David Braithwaite, Chief Federal Strategy Officer for Little Place Labs.

In January 2025, Sidus and Little Place Labs (LPL) formed a strategic partnership and signed a Memorandum of Understanding (MOU) to develop integrated satellite solutions based on edge computing and AI applications. This collaboration aims to meet the growing needs of a global customer base and is expected to provide accurate vessel detection and classification within one hour of satellite observation.

By processing data directly onboard LizzieSat® satellites, OrbitfyEdge is expected to eliminate the delays traditionally associated with downlinking and ground-based analysis. This solution not only detects and classifies vessels but also cross-references onboard AIS (Automatic Identification System) data to identify or flag "dark" vessels engaged in illegal activities such as piracy or illegal fishing. The insights will be delivered in near real-time, supporting rapid response to maritime security threats and supply chain disruptions.

"We are excited to support Little Place Labs in delivering near real-time maritime intelligence through our LizzieSat® constellation," said Jim Larson, Sidus Space Senior Vice President of AI Strategic Initiatives. "By enabling edge processing in orbit with our FeatherEdge™ onboard edge computing hardware, we're reducing the time from data capture to actionable

insight, which is critical for operations where every minute counts. This collaboration underscores our commitment to advancing space-based AI and making satellite data more immediate and impactful."

Each LizzieSat® satellite is equipped with Sidus' proprietary Orlaith™ AI Ecosystem, which features the FeatherEdge™ onboard edge computer for data processing and analysis, and Cielo™ software for space-based data and insights. Combined with LPL Orbitfy, these integrated capabilities support the delivery of high-speed, near real-time maritime intelligence. This solution reduces latency and ensures resilient, low-latency data relay via inter-satellite links. Initial deployments will focus on high-density maritime corridors, with expanded capabilities planned as additional LizzieSat® satellites are launched.

"This launch is expected to bring us closer to our goal of delivering near real-time insights from orbit—especially critical for time-sensitive maritime operations, where faster decisions, better transparency, and improved security can make a real difference," said Bosco Lai, CEO of Little Place Labs. "The combined capabilities of Little Place Labs and Sidus Space are changing how space-based insights are delivered, unlocking use cases that were not possible before."

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.

About Little Place Labs

Little Place Labs specializes in near-real-time space insights for terrestrial and space applications, leveraging machine learning solutions designed for satellites and space infrastructures. We remove the data bottleneck by processing raw data in orbit and our applications service both commercial and national security sectors by significantly enhancing response times and decision-making for threats against civilians, national assets, and our guardians. Delivering actionable insights within minutes, we are committed to transforming data analysis and usage in space, paving the way for innovation and discovery. For more information, visit www.littleplace.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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