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Spire Global Awarded Space Services Contract by Lacuna Space to Build and Operate Six Satellites for a Dedicated IoT Constellation

The agreement will enable Lacuna Space to provide low-cost tracking and sensor detection service, with the opportunity to scale the constellation to dozens of satellites

VIENNA, Va.--(BUSINESS WIRE)-- Spire Global, Inc. (NYSE: SPIR) ("Spire" or "the Company"), a global provider of space-based data, analytics and space services, was awarded a Space Services contract by Lacuna Space, a leading satellite IoT connectivity provider. Under the agreement, Spire will initially build and launch six satellites carrying Lacuna Space's payload and antenna, with the opportunity to scale the constellation to dozens of satellites. Lacuna Space will operate its payloads and receive encrypted data at its Harwell headquarters.

With six satellites manufactured by Spire at its facility in Glasgow, UK, in addition to Lacuna Space's ten earlier satellites, Lacuna Space will be able to scale its IoT network for low-cost, reliable global connections to sensors and mobile equipment. Lacuna focuses on IoT services for agriculture, maritime, logistics, remote infrastructure and environmental monitoring, with applications such as measuring soil moisture for farmers in remote regions to improve crop yield or tracking the movement of assets.

These satellites feature Lacuna's new proprietary, ultra-high density 'Gentoo' satellite gateway. The satellite gateways work in conjunction with Lacuna's ground scheduling network, which enables adaptive, regional, fine-frequency algorithms developed using AI from years of satellite-based spectrum scans.

"Satellites play a critical role in providing IoT connectivity across the globe, particularly to remote, underserved, and developing areas of the world. These services are transformational in enabling new applications across a wide variety of industries and solving some of the biggest challenges facing humanity today," said Frank Frulio, the general manager of Space Services at Spire. "With Spire Space Services, we have streamlined the process to architect, build, launch and operate satellites reliably, and at a much lower cost than it would typically require new space companies to build infrastructure in space, allowing revolutionary technologies, like Lacuna's IoT network, to reach the market faster."

"This contract is a very important step in Lacuna's progression into commercial operations, and represents over five years of intensive development work to refine the concept and achieve the scalability and reliability required to provide a global commercial service," said Rob Spurrett, CEO and co-founder of Lacuna Space.

“Glasgow produces more satellites than anywhere else in Europe, and this contract between Spire Global and Lacuna Space is a fantastic example of how the UK’s strong heritage in space manufacturing is accelerating our progress towards global connectivity and new commercial applications for telecommunications,” said Craig Brown, investment director at the UK Space Agency. “This collaboration will unlock opportunities for businesses, using satellites to transfer data and information between millions of sensors on the ground that make up IoT, with the potential to scale up further. I’m looking forward to watching the constellation come to life.”

Spire Space Services offers fast and scalable access to space through a subscription model that eliminates the high upfront cost of building and maintaining infrastructure in space. The Company has designed, built, and launched more than 170 satellites, enabling commercial and government organizations to easily deploy and operate a constellation, hosted payload, or a software application in space leveraging Spire’s established space, ground, and web infrastructure. Spire handles the end-to-end management, from manufacturing to launch to satellite operations, and the customer operates the system through a web API.

About Spire Global, Inc.

Spire (NYSE: SPIR) is a global provider of space-based data, analytics and space services, offering unique datasets and powerful insights about Earth so that organizations can make decisions with confidence in a rapidly changing world. Spire builds, owns, and operates a fully deployed satellite constellation that observes the Earth in real time using radio frequency technology. The data acquired by Spire’s satellites provides global weather intelligence, ship and plane movements, and spoofing and jamming detection to better predict how their patterns impact economies, global security, business operations and the environment. Spire also offers Space as a Service solutions that empower customers to leverage its established infrastructure to put their business in space. Spire has nine offices across the U.S., Canada, UK, Luxembourg, Germany and Singapore. To learn more, visit spire.com.

About Lacuna Space

Lacuna Space, a UK and Dutch entity, headquartered in Oxford UK, is recognized as the leader in scalable direct-to-satellite IoT solutions based on the open and interoperable LoRaWAN® standard. The Lacuna Network enables multiple constellations of Lacuna and third-party satellites to meld together, forming the most robust and field-proven IoT service for our customers. Operating a wholesale model, Lacuna empowers service providers and systems integrators to extend the limited coverage footprint of LoRaWAN® networks around the globe with ubiquitous low-power, low-cost connectivity.

Learn more at https://lacuna.space/contact/

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