Satellogic Uses AWS Ground Station to Scale Services and Deliver Insights to Customers Faster

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Earth Observation data collection technology leader uses AWS to scale its live Earth catalog, enhance customer experiences, reduce data processing times, and optimize costs

St. Louis, MO — Oct. 6, 2021— Satellogic, a leader in high-resolution Earth observation (EO) data analytics, today announced an expanded collaboration with Amazon Web Services, Inc. (AWS), including use of AWS Ground Station. Satellogic has 17 commercial satellites in low Earth orbit and plans to grow its constellation to more than 300 satellites by 2025. The company is leveraging AWS Ground Station to quickly and cost-efficiently scale their satellite data acquisition processes and then deliver data directly to AWS for processing and analysis so that customers can make decisions faster.

Founded in 2010, Satellogic focuses on solving global challenges by making Earth Observation data more accessible and more affordable. Its vertically integrated business model, owning the design, manufacturing, and operation of its satellites, is what makes that mission possible. Satellogic's lightweight, small EO satellites can be produced at scale with unrivaled unit economics. Satellogic is creating a live catalog of Earth and delivering daily updates to create a complete picture of our planet for decision makers so that they can tackle some of the biggest challenges of our time. Satellogic uses AWS to scale its live Earth catalog, enhance customer experiences, decrease data processing times, and optimize costs.

AWS Ground Station allows customers to cost-effectively control satellite operations, ingest satellite data, and integrate the data with applications and other cloud services running in AWS. The AWS Ground Station global network of satellite ground station systems help customers manage their satellite communications without having to build or manage their own ground-station infrastructure. For example, AWS Ground Station makes it easy for Satellogic to scale their operations at the same time that it delivers the obtained data directly into their cloud environment.

"AWS is thrilled to help Satellogic enhance customers' experiences, decrease data processing times, and optimize costs as it expands its constellation to more than 300 satellites by 2025 and builds out its live catalog of Earth. Satellogic is able to schedule satellite contacts with AWS Ground Station locations around the world and take advantage of Amazon's low-latency, high-bandwidth global network to deliver data and make mission-critical decisions faster," said Jim Caggy, General Manager, AWS Ground Station.

Today, each Satellogic spacecraft generates as much as 50GB of data daily. As Satellogic's constellation's capabilities expand, the amount of imagery downlinked data is expected to grow 10-fold – driving the need to spin up ground station infrastructure and then scale it back down when resources are not needed.

"AWS Ground Station makes it easy for us to scale acquisition processes thanks to the automation that we can achieve through its APIs, and, on top of that, we do not have to worry about the

backhauling of the data from the ground stations to our processing pipelines – AWS Ground Station delivers the data exactly where we need it. This helps Satellogic to scale, increase performance, and lower costs," said Alan Kharsansky, VP of Mission Operations at Satellogic.

Among the AWS services and features that can be accessed are Amazon Elastic Compute Cloud (Amazon EC2), which provides secure, resizable compute capacity in the cloud for optimizing network scheduling and load balancing, and Amazon Simple Storage Service (Amazon S3), which lets customers securely access petabytes of data on demand, paying only for the capacity they actually use. Satellogic also uses Amazon CloudWatch for network monitoring and application level system monitoring; the Amazon CloudFront content delivery network (CDN) which securely delivers data, videos, applications, and APIs to customers globally with low latency and high transfer speeds; and, AWS Site-to-Site VPN for secure ground site/cloud connection.

About Satellogic

Founded in 2010 by Emiliano Kargieman and Gerardo Richarte, Satellogic is the first vertically integrated geospatial company, driving real outcomes with planetary-scale insights. Satellogic is building the first scalable, fully automated Earth Observation platform with the ability to remap the entire planet at both high-frequency and high-resolution, providing accessible and affordable solutions for customers.

Satellogic's mission is to democratize access to geospatial data through its information platform to help solve the world's most pressing problems including climate change, energy supply, and food security. Using its patented Earth imaging technology, Satellogic unlocks the power of Earth Observation to deliver high-quality, planetary insights at the lowest cost in the industry.

With more than a decade of experience in space, Satellogic has proven technology and a strong track record of delivering satellites to orbit and high-resolution data to customers at the right price point. On July 6th, 2021, Satellogic and Cantor Fitzgerald Acquisition Corp. V entered into a definitive merger agreement that will result in Satellogic becoming a publicly traded company. The transaction is expected to be completed early in the fourth quarter of 2021, subject to regulatory approvals and other customary closing conditions. More details can be found on Satellogic's Investor Webpage: https://satellogic.com/investors/