



AERIAL MAPPING



SAM's industry-leading aerial mapping services lay the foundation to support reliable planning, design, and infrastructure work across a wide range of industries

Our advanced Managed Geospatial Services™ framework delivers data and insights, even in the most complex urban environments and challenging terrain. The result is a clean, accurate 3D digital dataset optimized for 3D modeling within client workflows. Our ability to scale resources, national presence, and dedicated program management ensures that quality deliverables are completed in a timely matter.

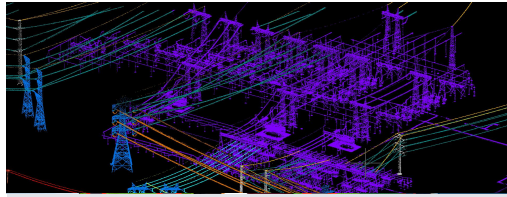
At SAM, we provide high-density, high-resolution remote sensing datasets that achieve sub-centimeter accuracies utilized for engineering design and as-built documentation. SAM works with you during the program planning phase to ensure we have a complete understanding of your needs. Program Managers then coordinate with your team to determine the best approach, technology, tools, and resources to achieve the stated goals. Our tools include crewed and uncrewed aircraft, fixed-wing and rotary aircraft, and mobile mapping for highway, off-road, or marine environments. All our LiDAR and scanning platforms are tightly coupled with high-definition image sensors where data can be acquired in both the visible and non-visible electromagnetic spectrum. Multiple sensors can be configured for acquisition during a single flight or drive—yielding high value, multi-purpose products in an efficient manner.

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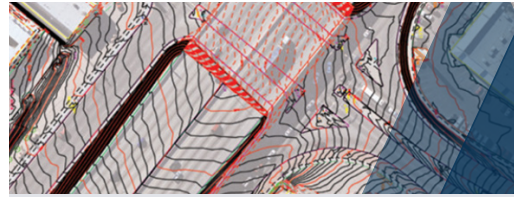
Airborne LiDAR

By owning our own aircraft and deploying the most advanced technologies, we provide our clients fast, accurate, and high-quality data through our airborne LiDAR services. Airborne LiDAR provides extraordinary efficiency and speed in gathering accurate spatial data and is integrated with our image sensors to provide simultaneous LiDAR and image acquisition.



Unmanned Aerial Systems (UAS)

SAM adopted the use of Unmanned Aerial System (UAS) technology since its introduction to the commercial market and we envisioned it as an advanced tool to support all of our aerial mapping and surveying programs.



Photogrammetry Services

SAM's photogrammetry team is led by licensed surveyors and ASPRS-certified photogrammetrists backed by an experienced staff of photogrammetric technicians. Investing in the latest softcopy stereo photogrammetric technology ensures our quality sets the industry standard.



Remote Sensing Services

SAM collects near-infrared (NIR), thermal, and RGB imagery that is utilized to support vegetation health, forestry management, and energy infrastructure inspection applications. NIR imagery can be acquired simultaneously with HD LiDAR and used in many ways. NIR imagery is beneficial to identify wetlands for environmental studies and evaluating soil moisture content.



Inspection Services

SAM's complete range of leading-edge technologies provide extraordinary speed and efficiency for inspecting valuable assets and infrastructure in even the most difficult to access areas. Our range of remote sensing platforms, carry a variety of industry-leading sensors to capture high-resolution photos (nadir and oblique), video, thermal images and HD LiDAR.



SAM Inspect™

SAM Inspect™ is a technology SAM developed to bring Artificial Intelligence (AI) and Machine Learning (ML) to the maintenance and operation of infrastructure assets. Our proprietary inspection management software and process streamlines geospatial workflows, helping improve the inspection, identification, classification, location, and inventory of structures.

What differentiates SAM?

SAM has built a reputation as a trusted, knowledgeable, and innovative partner. SAM transforms petabytes of complex spatial data into intelligent insights in a holistic Managed Geospatial Services™ (MGST™) framework. As North America's premiere MGST™ company, SAM provides practical, precise, and high-fidelity solutions designed to enhance decision-making, mitigate risks, achieve strategic objectives, and drive costs out of our client's business. Our vision is to advance spatial data acquisition, improve analysis capabilities, and develop predictive analytics to redefine and transform how infrastructure assets are developed and managed throughout their lifecycles.

REACH OUT TODAY

Want to experience the SAM difference for yourself?

Learn how we can put our resources to work for your next program. Call us toll free at **(800) 656-9525** or visit us at **sam.biz**