SAM™

TERRESTRIAL LIDAR //

LAND GEOMATICS

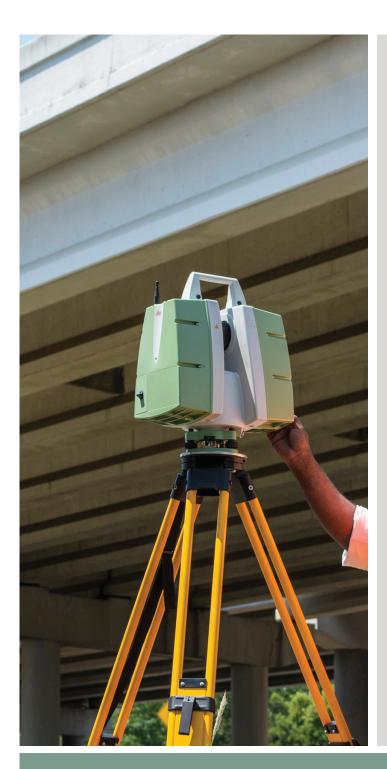## SAM's Terrestrial LiDAR services deliver the most accurate and detailed program site data in the industry.

Terrestrial LiDAR, or 3D laser scanning, provides extraordinary speed and efficiency in gathering spatial data, and can be integrated with our mobile and aerial LiDAR solutions to create a complete, unrivaled geospatial picture. Our experts can utilize a wide range of technologies to ensure the data we collect adheres to your specific program requirements.

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Our scanning technologies deliver data you can trust

Starting with data you trust means you can move program forward more efficiently. That's why we equip our geomatics experts with the most advanced laser scanning tools available.

Our terrestrial LiDAR technology solutions provide an exceptionally high rate of data capture, broad field of view, and high-resolution results. Our time-of-flight based laser scanning system features a longer range, making it the perfect choice for accessing dangerous or difficult-to-reach locations. Our ultra-high-speed scanning solutions collect denser data at closer ranges.

SAM can capture sub-centimeter-level accuracy, combining it with additional data points through our processing phase to develop an exceptionally precise terrain image.

Complete data processing

SAM's experienced technicians review the data immediately upon collection to verify complete coverage. Any holes or other unwanted artifacts are quickly identified so we can rapidly recapture additional data if necessary. Following production, data is archived to support a more seamless service in future geomatics work.

With experience in a wide range of data processing software systems, SAM can deliver your data in a variety of digital and CAD formats, including all industry-standard file types. Clients use our terrestrial survey data to support Building Information Modeling or Digital Terrain Models with a georeferenced point cloud dataset. We upgrade our technology regularly to ensure data security and accuracy.

Key Services:

· Data Acquisition for Inspections
· Program Control
· Engineering Design
· Schematic Drawings
· Building Information Modeling (BIM)
· 3D Modeling for Infrastructure Inspection

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™ (MGS™) framework. As North America's premiere MGS™ 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