



Keep charting new territories.

As aerial imagery, mapping, and survey data continues to grow in value and sophistication, choosing the best technology and tools in the collection, application, and management of complex project information presents unique challenges. We understand the information requirements for public utilities and private sector clients and how to best collect it. Foth's geospatial solutions team is on the cutting edge of the industry,



providing comprehensive services and product innovation to meet all your survey, imagery, and mapping needs.

Aerial Mapping & Imagery sUAS (Drones)

Foth is able to provide sUAS (small Unmanned Aerial System) services from coast to coast. Utilizing today's leading sUAS industry technologies, Foth can offer clients high-resolution site imagery for transportation, utility, and environmental site projects. This affords our clients faster, more informed decision making, site management, and current 3D datasets for complex sites and projects. Acquiring high-resolution and high-accuracy orthorectified imagery, our data enables measurements of ground features from the imagery directly to help make better decisions. As with all Foth initiatives, we endeavor to complete these tasks with safety as our primary goal. We are always up to speed on modifications to regulations and current best practices, and will collect and

deliver all data while maintaining the safety of all personnel and the integrity of surrounding facilities.

Our services include:

- ◆ High Resolution Ortho-imagery: Acquiring high resolution and high accuracy orthorectified imagery enables measurements of ground features with < 1" ground sample distance resolution.
- ◆ 3D Surface Models: Remotely collected airborne data processed with ground or absolute georeferencing allows creation of 3D data for design, project monitoring, and planning.
- ◆ Progress Monitoring: Utilizing unmanned aircraft and sensors to efficiently and effectively monitor projects.





Ground-Based Imagery & Mapping

When dictated by the size of the site, level of detail, and speed in which data is needed, Foth can deploy multiple ground-based data collection tools to meet any data collection needs. Our ground-based tools collect high accuracy point clouds that can be used to create 3D surfaces for planning and design.

High-Accuracy Geodetic Control

Foth is qualified and experienced in setting high-accuracy geodetic control surveys meeting the requirements of the National Spatial Reference System (NSRS). These are utilized to establish a basic control network from which supplemental surveying and mapping work are performed. These specialized surveys are distinguished by redundant, interconnected, and permanently monu-

mented control points. Geodetic control surveys are measured according to their network accuracy.

Land Surveying

Foth has a full-service, in-house team of professionals to meet all of your traditional land surveying needs. Our services include engineering support (topography, right-of-way, utilities), construction services (staking, machine control, design surface/tin) and land services (landfills, transmission networks, impoundments, boundary surveys, easements).



Our services include:

- ◆ **Static Scanning:** Typically utilized in complex locations, high detail is needed quickly, or safety is a concern. Ideal for generation stations, building interiors and exteriors, intersections, and bridges.
- ◆ **Mobile Scanning:** Typically utilized for collecting data on roadway corridors greater than 1 mile, interchanges with extensive data needs, or time is limited. Mobile scanning can collect high accuracy data quickly and safely and can also be used to collect existing information for ADA compliance.

For more information, contact:

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