



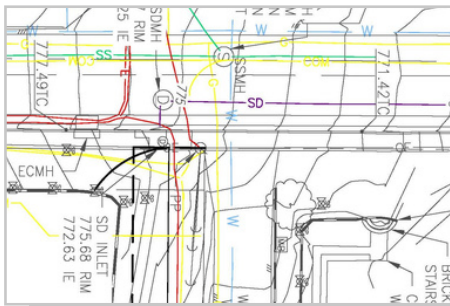
Powerline Undergrounding

Statement of Qualifications

Hardening Lines for Weather Resilience

High winds and other weather events can cause powerlines to fail, resulting in devastating wildfires. Undergrounding these powerlines reduces isolated ignition risk by 99%, making it the best long-term solution for wildfire mitigation.

GIS Surveyors, Inc. (GSI) is a multifaceted geospatial firm that combines the core aspects of a land surveying company with the geospatial analysis capability of a GIS company to create a variety of products aimed at making public utilities safer and more efficient in the public and private sectors.



Key Competencies

- Establishment of Project Survey Control
- Aerial Target Surveys
- LiDAR Ground Truthing
- LiDAR Data Processing
- Planimetric Mapping of Improvements
- Digital Terrain Modelling (DTMs)
- GIS Data Extraction
- Orthorectified Imagery
- Base Map Preparation
- Subgrade Utility Locating
- Utility Research
- Civil 3D Survey Mapping
- Boundary Monument Surveys
- Right-of-Way determination
- Boundary Analysis
- Public Records Research
- Professional Consultation & Final Survey Map Preparation
- GIS Services
- Ground Penetrating Radar (GPR)

A Safer System for the Future

Undergrounding powerlines improves system reliability while mitigating the risk of wildfires due to adverse weather events that affect local communities. Undergrounding limits the need for safety power outages, eliminates the need for tree and vegetation trimming, and reduces the ongoing expenses for utilities.

Proven Experience

Utilizing our vast experience in the utility industry and state-of-the-art equipment such as radio locators, GPR, and closed-circuit TV (CCTV) inspections, GSI field crews can detect almost any utility within your project extents and provide geospatial and qualitative analysis on its findings, all in one trip to the project site. GSI is a one-stop shop for all of your subgrade utility engineering (SUE) projects.



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HQ: 12120 Tech Center Drive, Suite D, Poway, CA 92064 | 858.679.1732 | www.gissurveyors.com | info@gissurveyors.com



LiDAR Ground Control

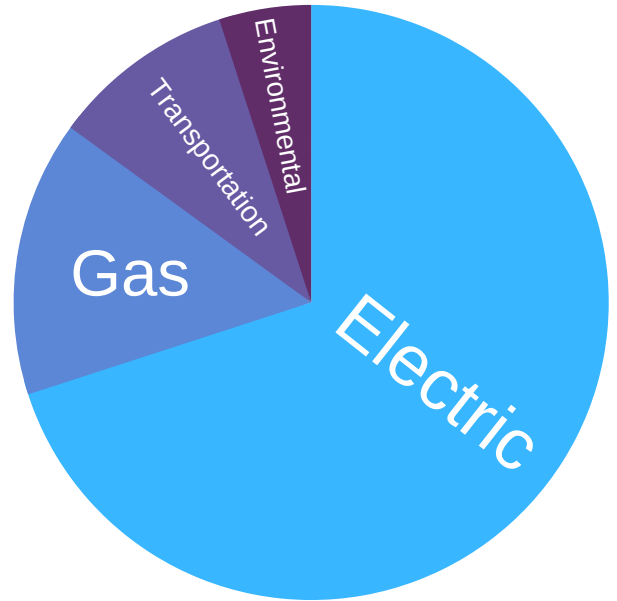
Statement of Qualifications

Ground Truthing, Collection, & Processing

The Survey and LiDAR divisions at GSi work together closely to ensure that all required accuracy standards are met. The GSi Survey team supports our LiDAR collection and processing efforts by providing accurate and timely Ground Control Points (GCPs) that serve as survey control, as well as independent QC-Verification Points to quantify the survey's degree of accuracy after post-processing relative to the project scope. Furthermore, our skilled team conducts field boundary-monument surveys for use in building planimetric basemaps which can glean insight into land rights issues and determine whether the area/circuit in question requires additional easements or land acquisition.

The GSi LiDAR team has extensive experience in providing LiDAR services including classification, vectorization, and vegetation project management. Much of our team's work is done for electric utilities, processing data for transmission, and distribution circuits. In addition, our team has expertise in PLS-CADD M1/M4 modeling, creation of DTMs, remote sensing, and analysis.

Industry Experience



Key Strengths of Our LiDAR Team

Highly Acclaimed: Valued by our clients for delivering accurate LiDAR data in a timely manner.

Proven and Experienced Personnel: GSi recruits and retains top technical talent due to our industry reputation and leadership. Our staff has more than a combined 150 years' experience from a variety of geospatial backgrounds crossing over multiple industries.

Industry Best Practices: GSi uses industry best practices to guarantee superior results and streamlined operations; as improvements are identified and applied, these practices are updated.

QA/QC Process: The team has established an in-house QA/QC process to ensure all deliveries exceed client expectations.

Training and Staff: Our corporate culture values geospatial professionals and promotes their development. GSi ensures all staff are trained in new technologies and techniques with the end goal of highest customer satisfaction.



Key Competencies

- LiDAR Classification and Data Management
- QA/QC
- Remote Sensing
- Vegetation Management
- Fire Risk Mitigation
- Spatial Analysis and 3D Mapping
- Terrain Modeling and Analysis
- PLS-CADD