

# Survey Engineering and Mapping



SGC Engineering—A Lloyd's Register Company



## Committed to engineering your best solution:

Every successful engineering and development project begins with an accurate understanding of the environment that surrounds us. Project planning, design, and implementation can only be as good as the foundation upon which it is built. At SGC Engineering (SGC), we deliver responsive, accurate and cost effective Survey Engineering solutions in support of your development plans from inception to execution.

## SGC offers these Survey Engineering services:

- Property boundary, easement, and corridor surveys
- Route selection and constructability analysis
- Procurement and management of LiDAR and photogrammetric mapping
- Preliminary route surveys
- Existing conditions surveys of facilities
- Construction staking and as-built surveys including as-built data management
- Inland and near shore hydrographic surveys
- Existing utility research and location
- GPS surveys for geodetic control networks and photo control
- ALTA/ACSM land title surveys
- Expert witness testimony
- Industrial metrology and machine control
- HDS terrestrial laser scanning and 3-D modeling
- Electric transmission line conductor span surveys
- Data accumulation in support of GIS efforts

## The benefits of working with SGC's Survey Engineering Division:

- Survey staff that works diligently to understand the client's goals and develop cost-effective solutions to survey needs.
- Substantial personnel and equipment resources means SGC can rapidly staff your project and meet aggressive timeframes.
- Extensive experience providing surveying services to the natural gas, electric, and petroleum utility industries.
- Recognition of the importance of direct, proactive communication with our clients.
- A mobile workforce capable of rapidly mobilizing anywhere in North America.
- Experience working as part of a multidisciplinary project team.
- Leveraging of GIS based geospatial tools allows for nearly real time reporting of crew progress and enhances our ability to rapidly provide the highest quality survey data to our clients.
- A highly educated workforce with significant experience means SGC has the tools to develop unique solutions to difficult problems.

## SGC has real-world, practical experience:

Serving clients throughout North America, SGC is expert at delivering full service surveying, engineering, and land service solutions—regardless of the size or complexity of your project. Our years of experience, coupled with a history of technical innovation, provides a framework by which we can deliver cost effective solutions to difficult projects and aggressive timeframes. SGC's survey engineering staff have served clients throughout North America, which has provided our people with the tools to provide effective solutions under diverse conditions anywhere, anytime.