



# GEOGRAPHIC INFORMATION SYSTEM (GIS)

IMEG provides geographic information system (GIS), data collection, and geospatial services to help clients understand the geographic context, asset layout, and spatial distribution of their area of interest.

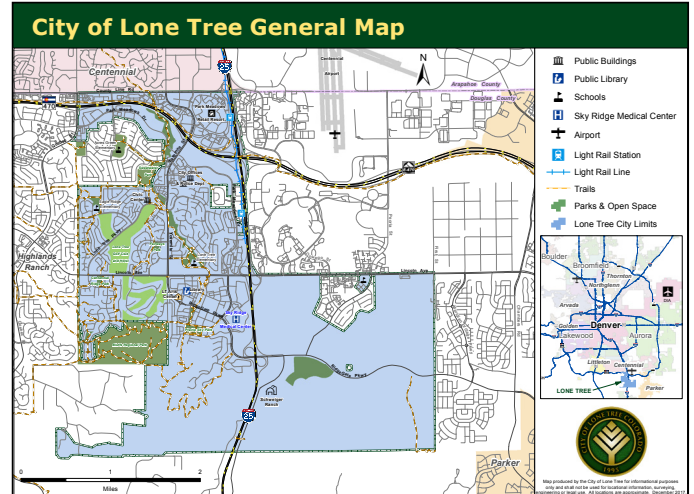
We specialize in supporting municipal governments and public agencies in the design, construction, and implementation of a GIS and/or asset management system, as well as in the maintenance, updating, and population of such a system. This can be project-specific or the beginning of a larger collection and more comprehensive GIS for a much larger construction project.

**Our GIS services provide clients with access to advanced data, customized solutions, technological expertise, ease of understanding complex maps and data, connectivity, and flexibility.**

GIS is used in a variety of ways, including spatial analysis, networking, storage/knowledge bank, and visual and analytical displays. We work closely with our clients to identify the ideal use of GIS and maximize its value. As is often necessary during the establishment of a GIS database, we can provide land surveying services for providing the horizontal and vertical controls to provide an accurate foundation to build upon.

Our GIS services provide clients with access to advanced data, customized solutions, technological expertise, ease of understanding complex maps and data, connectivity, and flexibility. While some projects have an onsite or field component, many do not require a GIS expert to be on site, allowing IMEG to also provide comprehensive GIS support remotely. To account for unique projects, specific needs and for potential cost savings for clients, IMEG offers several management solutions:

- Client-supported: Client staff collects data and conducts research, providing cost-savings. IMEG staff provides remote support to ensure accurate collection processes are followed.



- Assisted support: IMEG provides client staff with an onsite subject expert to assist in GPS, plan/plat referencing, data mining and other data collection methods. The client provides institutional knowledge to bolster the quality and completeness of the project.
- Automated/drone support: IMEG can collect and process high-resolution aerial imagery with drones, providing advanced information in minimal time, quality data for preliminary design, and better project evaluation and tracking methods.

## SERVICES

- Municipal Government GIS Support
- GIS Design & Implementation
- Data Collection, Conversion & Update
- Spatial & Network Analysis
- Database Development and Maintenance
- Asset Management & Review
- Asset Inspections (Conventional & Video/Drone)
- Orthometric Imagery Collection & Processing
- 3D Mapping & Viewscapes
- Aerial & Oblique Imagery/Video for Marketing & Promotion
- Cartographic Map Production

IMEG is an ESRI ArcGIS, Pix4D and AutoCAD shop.