



GEOGRAPHIC INFORMATION SYSTEMS

Ulteig's geographic information systems (GIS) practice helps both our clients and our own professionals attain wide-ranging goals, gaining a comprehensive understanding of their informational needs and opportunities. Ulteig provides GIS and Information Technology services to federal and state agencies, municipalities, airports, energy and other utilities, and various organizations. We help our clients draw knowledge from data about their business processes, ultimately by providing geospatial data and applications to solve business needs. We understand the challenges of providing reliable information in a timely matter. Our team of GIS experts can help save clients time and money by providing information at their fingertips so they can make informed decisions and respond more effectively.

MULTIDISCIPLINARY APPROACH

- Experienced professionals who seek to understand your project needs before providing a solution
- Expertise in every facet of implementing GIS, from start to finish
- Innovative use of geospatial technology as it relates to your business needs

PLANNING

- Needs assessments
- Hardware/software recommendations
- Implementation plans

ENTERPRISE DATABASE DESIGN & DEVELOPMENT

- Basemap generation and maintenance
- Parcels
- Addresses
- Roads/streets
- Utility infrastructure
- Data conversion/data migration

APPLICATIONS

- Web GIS/Internet/Intranet
- Digital map books
- ESRI ArcGIS customized training
- Automation of field inspections

UTILITY INFRASTRUCTURE INVENTORY & MANAGEMENT

- Water distribution systems
- Sanitary sewer systems
- Street lighting and sign systems
- Record drawing scanning

DATA & SYSTEM INTEGRATION

- Tax databases
- Document/image records
- Permitting records
- Meter/billing records

PHOTOGRAMMETRIC

- Ground control survey
- Coordination of Digital aerial photo acquisition
- Image processing
- LiDAR data acquisition and management

SPATIAL ANALYSIS

- 3D modeling
- Corridor analysis
- Site selection
- Route optimization
- Suitability modeling