



GIS

Transform data into dynamic, interactive maps that tell your story and drive your mission through the innovative power of Geographic Information Systems (GIS).

Leading Edge Technologies

WestLand's GIS team uses cutting edge geospatial technology, including drones, scanners, and tablets capturing high-resolution imagery, spatial, and temporal data from above and on the ground to simplify how our clients manage their projects. We work with our clients to deliver accurate, actionable data so they can make a confident decision and adhere to regulatory standards, protecting business and data.

OUR SERVICES

- GIS
- Cultural Resources
- Engineering
- Environmental
- Landscape Architecture

OUR SERVICES

Geographic Information Systems (GIS)

Geospatial analysis
CAD to GIS, GIS to CAD translations such as as-builts
Custom projections
Web-based GIS portal creation and maintenance for environmental, cultural, right-of-way, or utility sectors
Cartography
Spatial database design and administration
Predictive modeling
Field data collection application development

Asset mapping including regulatory requirements (i.e. Lead Service Line Inventory)
Spatial-based asset management systems
Right-of-way and utilities
Scripting and tool development
Data acquisition, translation, scanning
GIS consulting and training
Tailored GIS web mapping applications
Instant synchronization of collected data with a GIS database
Transformation of raw data into interactive maps, dashboards, story maps, and graphs

Small Unmanned Aerial Systems (sUAS)

3D modeling and visual simulations
Terrestrial 3D Scanning
Thermal Mapping
Multispectral imagery analysis:
Normalized Differential Vegetation Index (NDVI), Normalized Vegetation Different Red Edge (NDVRE), Soil Adjusted Vegetation Index (SAVI)
Digital Terrain Model (DTM) and/or Digital Surface Model (DSM) creation

