



GIS MAPPING & DRONE SERVICES

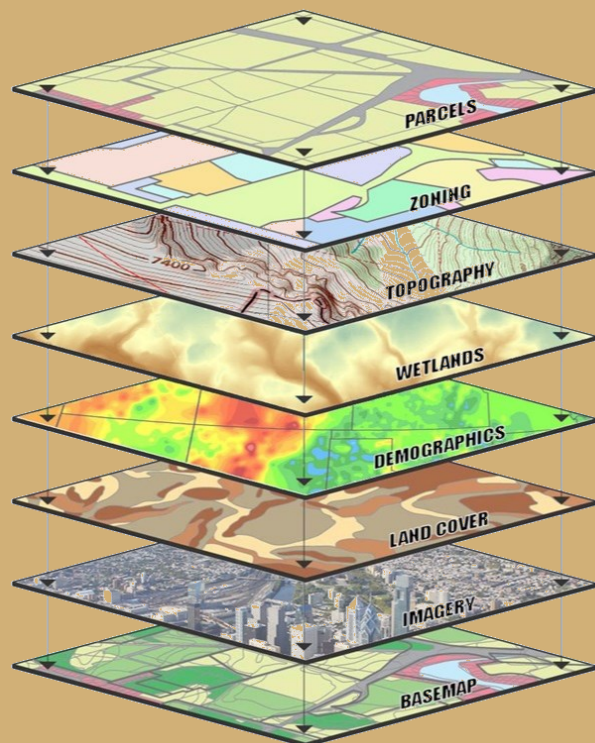
Geographic Information System (GIS) technology has revolutionized how we understand and analyze geospatial data, providing invaluable insights for decision-making and planning processes. We offer comprehensive GIS services that harness the power of geospatial data to assist clients across diverse industries.

Because of our expertise in GIS, we enable organizations to make informed decisions to optimize their operations by unlocking the potential of location-based data. We combine cutting-edge technology, advanced analytical tools, and a deep understanding of geospatial data to deliver tailored GIS solutions that meet the unique needs of our clients.

By using GIS, we can help our clients develop a more comprehensive understanding of their project site and identify potential risks and opportunities. From data collection and database development to geospatial analysis and custom map creation, we offer end-to-end GIS solutions that provide actionable intelligence and drive informed decision-making.

In-house computer mapping and design capabilities and equipment include:

- AutoCAD
- ArcGIS 10.8
- ArcGIS Pro 3.0.1
- Survey 123
- Trimble TDC100
- Trimble R2 with RTX
- Mavic Pro 2
- Collector for ArcGIS
- Expert GPS



A white quadcopter drone is shown in flight against a clear blue sky. The drone is positioned in the upper left quadrant of the image. Below the drone, a field of tall, green grass is visible, slightly out of focus. The overall scene suggests a rural or natural environment.

Drone Services

Drone technology has revolutionized various industries, offering unparalleled capabilities and opportunities for data collection, aerial imaging, and remote sensing. We provide comprehensive drone services that leverage the power of unmanned aerial vehicles (UAVs) to assist our clients in a wide range of applications. Our experienced drone pilots and data analysts are equipped with state-of-the-art drone technology to deliver accurate, efficient, and cost-effective solutions.

ELOS professionals have planned flights and flown over 3,000 miles of waterways in several parishes to identify and monitor waterway debris.

How Might Drones Be Used Across the Project Lifecycle?

Aerial Surveys and Inspections: Aerial surveys and data collation can quickly create models that allow teams to understand better project feasibility and whether design solutions are applicable. Such models are also useful in stakeholder and vendor briefings, indicating what finished projects will look like.

Mapping and 3D Modeling: Our drone services generate highly precise maps and 3D models. These accurate and up-to-date representations provide valuable spatial data for various applications, including land surveying, urban planning, and environmental monitoring.

Design: Designs can be overlaid and are informed by real-world data and on-site conditions. Where questions or doubts are present, adding greater fidelity to survey data or expanding the scope of previous datasets is easy.

On-Site Monitoring: Once a project is underway, drones can be used for many beneficial applications, including tracking progress, keeping tabs on materials, improving visibility, and monitoring the safety of workers. Drone footage also provides a useful audit trail should problems arise on the work site.

Emergency Response and Disaster Management: Drones are critical in emergency response and disaster management. Equipped with real-time video transmission and high-resolution cameras, our drones provide valuable information to assist with damage assessments. Drones assist emergency responders and decision-makers in assessing risks, coordinating efforts, and optimizing response strategies.