

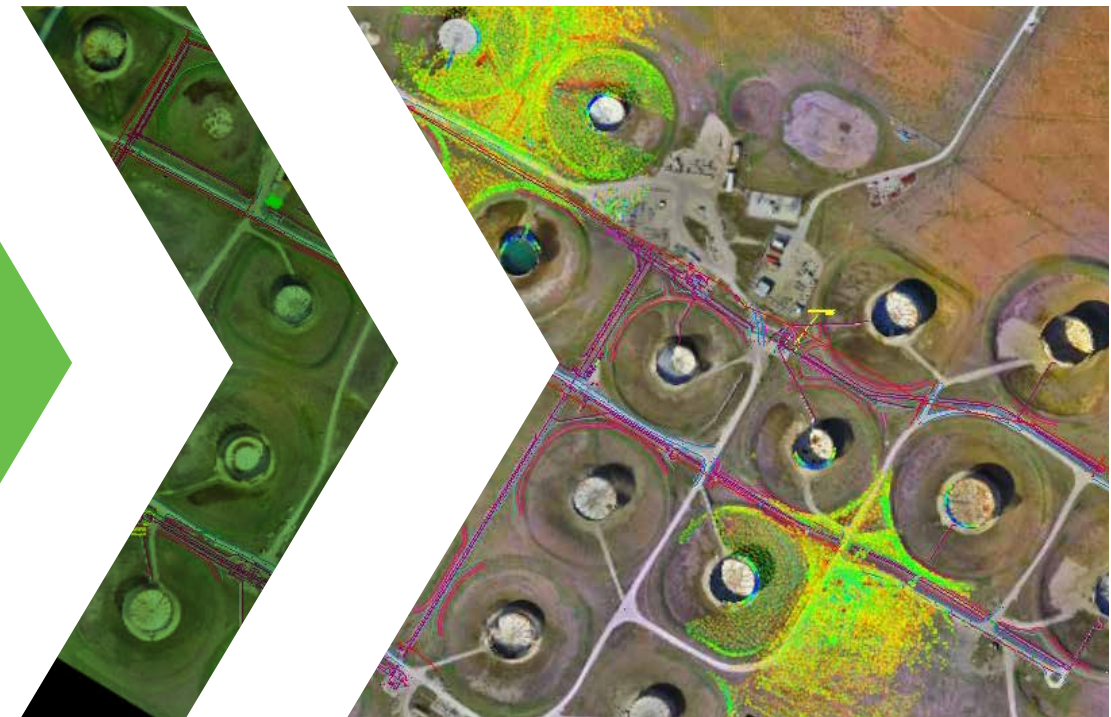
Surveying

713.953.5200
LJASURVEY.com

TBPELS No. 10194382

UPDATED 8.16.23

LJA
SURVEYING





Surveying

Putting excellence on the line, every time. We are committed to providing the highest quality professional surveying and mapping services to all of our clients. LJA Surveying utilizes a management system that provides all project team members with guidelines aimed to assist them in performing their work and delivering a quality product. These plans ensure compliance with our client's standards and processes that the final product meets or exceeds the required technical and performance requirements. Communication will be essential throughout the project process, and our project managers will be sure that your PM is kept well informed as to where the project progress is at all times. We maintain a level of quality in services and products to achieve excellence. LJA Surveying meets the challenges of tomorrow - today.



Land Development

Individual and corporate land development clients utilize vast surveying resources to perform a variety of surveys for tracts of land ranging in size from less than one acre to over a thousand acres, as well as topographic surveys for environmental impact assessments, drainage studies, highway design and construction, airport runway layouts, telecommunication sites, and other industrial and commercial projects. Our survey experience also includes cemetery platting, environmental surveys, and construction layout and staking.

Transportation

Topographic surveys for engineering designs, digital terrain modeling of bridges and overpasses, location of utility easement or fee right-of-way, Subsurface Utility Engineering, establishing highway right-of-way, parcel acquisitions, and construction surveying. Precise horizontal & vertical survey control for TxDOT control (primary/secondary control points) or aerial mapping. With the addition of laser scanning technology, crews can safely collect data of busy roadways and intersections, and clearances for bridges and roads can be accurately mapped. We offer many alternative options for large-scale projects to help reduce project cost and schedule, including aerial photogrammetry, aerial LiDAR mapping, mobile 3D laser mapping, and terrestrial 3D laser scanning. We are TxDOT pre-certified.

Energy

Our specialties include wind, solar, electrical transmission, and sub station projects - upstream, midstream, and downstream sectors of the oil and gas markets. Clients benefit through our expertise in determining preliminary route feasibility and environmental impact surveys, establishment of project primary and secondary vertical/horizontal control, and boundary and topographic surveys supporting design, construction staking, and post-construction as-builts. Our utilization of Global Positioning System (GPS) equipment provides the highest accuracy to enable field crews to work more efficiently, lowering the cost of surveys even in remote areas for our upstream clientele, and providing high accuracy locations and elevations for midstream and downstream needs.

Aerial Photogrammetric Mapping & LiDAR

Aerial LiDAR surveying, planimetric mapping and digital orthophotos which are used by engineers, designers, developers, and environmental scientists on a wide variety of projects. Orthophotos can be delivered in color or black and white depending upon specific needs, and with our state-of-the-art digital equipment, the quality and detail is greater than ever before. Airborne remote sensing is an equally valuable tool that can provide color infrared imagery for overall forest health assessment, as well as hyperspectral imaging for mapping of features not visible to the human eye such as mapping of invasive species, aquatic vegetation, coastal sea life, saltwater vs. freshwater, oil spill, and toxic contamination.

Hydrographic, Bathymetry, & Deformation Surveys

We have mastered the highly specialized mapping of lakes, rivers, and waterways utilizing cutting-edge technology by highly trained professionals skilled at extracting viable data into various formats for the end-user. LJA can employ the latest state-of-the-art technology, including side-scan sonar, single and multi-beam echo sounders, magnetometers, gradiometers, and sub-bottom profiling, along with Real-Time Kinematic GPS. As a result, we can quickly cross-section and profile bodies of water to develop bathymetry maps, permitting plans, dredge reports, and many other applications. Our information can also help locate underwater obstructions, pipelines, and utilities. In addition, LJA can perform or set up Deformation Surveys for dams using high precision surveying equipment.

Thermal Laser Scanning

HDLS is utilized in a wide range of industries and projects, and offers an increased level of detail and accuracy over traditional surveying, and saves time due to faster data collection and reduced site visits. It is also safer in areas where it is too dangerous to collect data using traditional survey methods. Laser scanning also improves visualization of complex structures and their models, and has an overall lower cost than traditional methods.

