

# Complete Aerial LiDAR and Digital Imaging Services



**PICKETT**  
PRECISION AERIAL SURVEYS

Established more than 50 years ago, Pickett is a leader in aerial mapping and surveying. Over the last 20 years, we have been running airborne operations, initially using traditional photogrammetry and now with the latest digital imaging and laser scanning technologies. This allows us to provide more accurate and comprehensive renderings of surface features and topographic conditions.



We are able to acquire, process, and deliver virtually any format of digital imagery or light detection and ranging (LiDAR) data. As a full-service aerial acquisition, survey and data management provider, we deliver precise, reliable surveying and mapping services to clients across the Americas and the Caribbean.

Our aerial solutions are essential to electric and gas utilities, mining, transportation and the solid waste industry as well as government and environmental agencies, land developers, floodplain managers, and architecture and engineering (A/E) firms.



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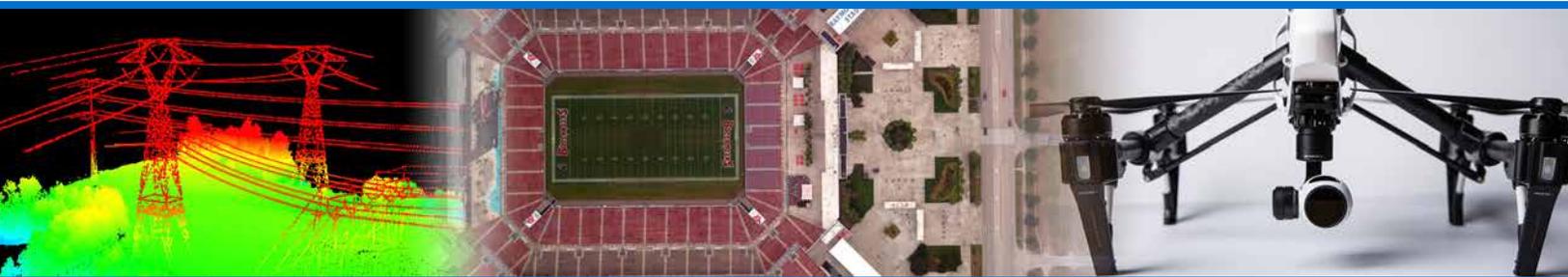
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For decades, we have accommodated the stringent technical requirements of even the most complex projects efficiently, cost-effectively, and on schedule. In 1995, we began flight operations to augment our expert ground survey capabilities. In fact, Pickett was one of the first surveying firms to integrate a complete photogrammetric mapping and flight operation into its business.

Aerial LiDAR sensing is used for scanning corridors such as transmission lines or roadways, or for mapping significant acreage or many square miles. Our digital aerial mapping services are supported by a high-resolution digital camera system that is fully integrated with the LiDAR sensor.

Today we use fixed-wing aircraft capable of collecting data for wide area, high altitude projects, and also in low altitude corridors at slower speeds. We utilize helicopters when it is necessary to fly corridors slowly at lower altitudes. Our unmanned aerial vehicles (UAVs) are FAA approved and are being integrated into our business in accordance with current regulations.

Using data fusion, Pickett can merge the results of ground surveys, multibeam hydrographic surveys, aerial LiDAR, and digital imagery into a complete, all-encompassing map. For power transmission and distribution clients, the data is packaged into the familiar PLS-CADD format, accelerating readiness for overhead power line design.



## Industry Functions

- As-builts
- Route planning/selection
- NERC compliance
- Vegetation management
- Environmental assessments
- Material volumetrics
- Topographic mapping
- Floodplain modeling
- GIS base mapping/imagery

## Services and Deliverables

- Data acquisition
- Data fusion
- Classified LiDAR data
- Digital ground surface models
  - Digital terrain models (DTM)
  - Digital elevation models (DEM)
  - Raster DEM
- Contour generation
- Topographic maps
- Volume computations
- PLS-CADD models
- Impervious surface mapping
- Orthorectified imagery
- Historical photo rectification
- Expert witness testimony

Learn more about how Pickett can help you  
by visiting [www.pickettusa.com](http://www.pickettusa.com)  
or calling 863.519.0032