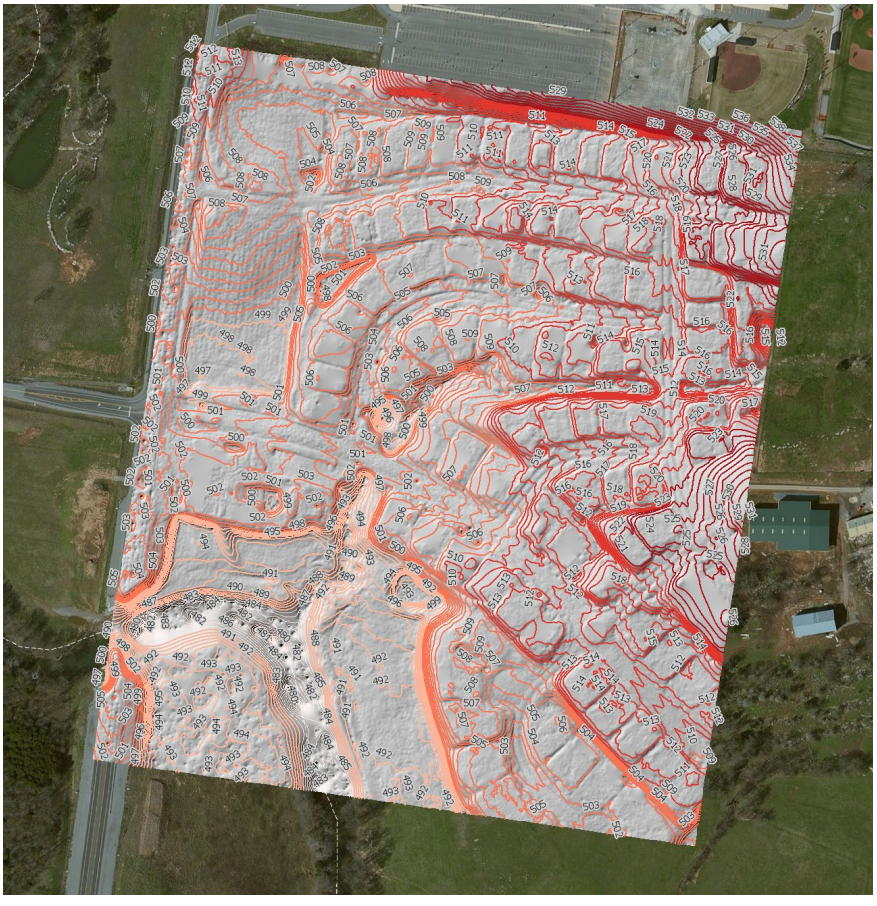
GIS Mapping Services are on the Cutting Edge with UAV Collected Imagery



Bare earth digital terrain model with 1' contours

Our GIS mapping services division of the company has been quite active with UAV technology over the last year. We've turned to cutting edge hardware and software solutions to take to the sky and support some of our existing clients (and new ones) with imagery & analysis derived from UAV (drone) data acquisition.

Using a variety of hardware and software (image analysis, data processing, and mapping), GEO Jobe has been providing GIS and mapping related services and expertise for almost 20 years. Our continued expansion of personnel and equipment to support these service offerings have enabled us to expand greatly on the work that we provide for clients from government, utilities, facilities, education, and other industries such as engineering and construction. An area that we have put significant effort into research, training, and hands on experience has been UAV / sUAS.

BY NEILL **JOBE**, GLENN **LETHAM**

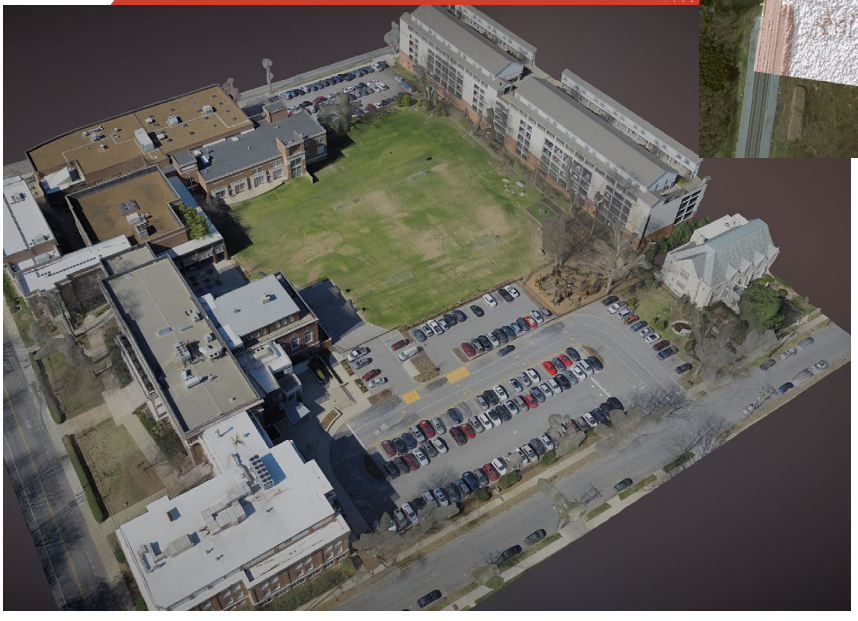
3D model of residential construction (pre and post development)

Residential construction, ortho production, DSM, DTM, 1 foot contours

Some of the interesting projects that UAV technology has enabled us to take on are shared in the following examples:

- Utilities corridor ROW mapping with contours, DSM, DTM
- Facilities mapping of sports fields
- 3D model of residential construction (pre and post development)
- Vegetation analysis of imagery
- Residential construction with ortho production, DSM, DTM, 1 foot contours
- 3D model, University School of Nashville for campus facility mapping and planning
- Water tower construction (pre and post) and facility inspection flights
- Mine inspection and volume calculations

Digital Surface Model derived from UAV aerial flight



3D model, University School of Nashville

The GEO Jobe crew currently has three *FAA licensed* UAV remote pilots experienced in UAV and mobile data collection techniques for *orthophotography updating, corridor mapping, asset inventory, terrain modeling, 3D building design models and more*. GEO Jobe is prepared to support your mapping projects with a fleet of 4 drones using the latest UAV technologies. This new offering is a cost effective and efficient way for clients in local planning, economic development, utilities, construction, forestry, mining, agriculture and other industries to keep their existing data current, accurate, and updated. Product deliverables are based on individual customer needs and typically include: digital ortho photos, digital surface models (DSM) , Digital Terrain Models (DTM), contours, 3D models, and other 3D data derived data and analysis derived products. The company also supports cloud hosted solutions utilizing GEO Jobe's GEOPowered Cloud environment (www.geo-jobe.com/geopowered-cloud/) . GEO Jobe can host your UAV data in many popular cached formats such as an ArcGIS for Server Image Service, MapServer, KML, etc. These services can be registered in products such as ArcGIS Online, ArcGIS Desktop, Google Earth, AutoCAD, as well any third-party applications that can receive an image service.

About the company

GEO Jobe is a Nashville, Tennessee based GIS professional service provider offering UAV data capture and aerial mapping services, data processing and UAV image hosting. GEO Jobe has more than 17 years of experience in GIS consulting, digital mapping, custom application development, enterprise GIS system support and geospatial data acquisition. The company has assisted clients from many industries including large utilities, local governments, airports and Universities in the collection, analysis, and dissemination of geospatial data using UAV technology.

You can view more examples of the professional services work using UAV technology by GEO Jobe on Instagram @geojobeuav and online at www.geo-jobe.com/uav/

Glenn Letham
CMO & Geotech evangelist, GEO Jobe
gletham@geo-jobe.com
@gletham

Neill Jobe
CEO & founder, GEO Jobe
njobe@geo-jobe.com
@NeillJobe