

Product solution for: Jackson County, Georgia, USA



Using precision aerial imagery to accomplish county-level goals

Jackson County, Georgia, has been one of the fastest growing counties in the United States for the past decade. In 2007, the Jackson County Board of Commissioners formed a GIS department to help track and manage growth as well as streamline county records and processes. Jackson County uses GIS extensively to inform 911 dispatchers, aid in city planning, and for property appraisal.

Analysis and planning

At the heart of any successful GIS system is the need for new and updated orthoimagery. In 2009 Jackson County was able to fly imagery and LIDAR, but like most local governments, Jackson County has not had the funding to commission a new flight. The county continues to see negative growth in tax digest, which is one of the largest sources of funding for local government. However, tracking change in a high-growth community is essential for EMS and public safety. It is critical that 911 dispatchers and first responders have accurate data on structure placement and road changes due to highway realignment.

Precision aerial imagery

Jackson County discovered an alternative to commissioning new flights at a fraction of the price. The county purchased Precision Aerial imagery from DigitalGlobe and, within two weeks, was able to detect more than 1,100 changes in building, plus install new imagery into its emergency response system. Precision Aerial leverages Microsoft's UltraCamG digital imaging technology to provide comprehensive coverage with high-quality and accuracy. The product has saved Jackson County at least \$30,000 in flight costs and has allowed staff to track changes efficiently.

Company information

The mission of the Jackson County, Georgia GIS Department is to provide and support GIS technology in an effective, intelligible, and timely manner, enabling local government to better serve the public.



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As a further testament to the value and quality of the content being used in various applications, including parcel boundaries, location services, civil engineering, land management, and urban planning, Precision Aerial recently received the Geospatial Excellence Award from the Management Association for Private Photogrammetric Surveyors.

“The imagery has been really great and affordable. We have a slew of road changes. I don’t know what we would do without it.”

JOEL LOGAN, JACKSON COUNTY GIS MANAGER

Jackson County Airport, Georgia



ALDI Regional Distribution Center, Jackson County, Georgia



INDUSTRY

» Civil government

USES

- » Land management
- » Change detection
- » Location services
- » Urban planning

PRODUCTS USED

» Precision aerial imagery

Challenge

Jackson County emergency response and city planners required imagery that provided consistent, wall-to-wall coverage, but could not afford continual aerial, LIDAR or satellite imagery updates needed due to budgetary restraints.

Solution

Using DigitalGlobe Precision Aerial, Jackson County purchased accurate and up-to-date imagery at only a fraction of the price of commissioning a flight. Planimetric imagery offers premium coverage, unprecedented volume, and an economical price.

Results

Within two weeks of receiving Precision Aerial imagery, the Jackson County GIS department had detected over 1,100 changes in building, installed the new imagery into emergency response systems, and saved at least \$30,000 in flight costs.

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