



FLY. UPLOAD. ANALYZE. PRESENT



NATIONWIDE DRONE FLIGHT SERVICES FOR CONSTRUCTION & ENGINEERING



SERVICES BROCHURE



ABOUT CONNEXICORE

FULL-SERVICE AERIAL DRONE INSPECTIONS, ANALYSIS AND REPORTING

ConnexiCore™ is a nationwide commercial UAS Drone Solutions Provider. With a nationwide network of expert (FAA) licensed pilots in all 50 states we specialize in industrial drone data collection, videography and aerial promotional marketing.

Our UAS engineers, business process consultants and expert pilots review your project needs and configure specialized mission plans to ensure efficient, high-quality data capture. Every drone-based mission we perform is safe, legal and insured. Our seasoned operations leaders come from all walks of life including veterans, law enforcement, telecommunications, and IOT software. Our methodology and best practices approach mirrors a military-grade program that emphasizes risk mitigation and operational excellence.

DIVERSE INDUSTRY EXPERTISE

- ✓ Construction and Engineering
- ✓ Commercial Roof Inspections
- ✓ Insurance Claims and Inspections
- ✓ Precision Agriculture
- ✓ Public Safety and Security
- ✓ Energy, Utilities, Oil and Gas Infrastructure
- ✓ Railroad and Transportation
- ✓ Marketing, Events, and Advertising
- ✓ Commercial and Residential Real Estate



Our turn-key systems integration approach starts and ends by managing the entire process for you: from flying the drones, analyzing the data, extracting insights from that data, and delivering measurable and actionable tasks to support decision making.

WHAT DELIVERABLES CAN A CUSTOMER EXPECT?

Depending on the industry who will be contracting with us, we provide high-resolution aerial images, HD video, edited marketing videos, or the raw aerial data you need for your mapping or other analytics software. We host the data in your ConnexiCore Cloud account so you can easily download, analyze, share with colleagues, generate reports and more. ConnexiCore will provide all the pre-planning, safety checks, asset management, and quality control. As your single point of contact, ConnexiCore guarantees a high standard of quality and fast turnaround time.

VALUE OF DRONES THROUGHOUT THE CONSTRUCTION LIFECYCLE

MONITOR JOB PROGRESS

View, measure, share & annotate. Plan work, track progress and complete projects on-time and on-budget. ConnexiCore provides aerial intelligence solutions for construction sites to rapidly and repeatedly collect and analyze comprehensive imagery of all your operations. ConnexiCore's powerful analytics help turn aerial data into actionable business insights, enabling you to improve the operations and increase the safety of your sites in a scalable easy way. Track your construction progress rapidly and repeatedly. Compare against project plan, compare design plans to as-built.



IMPROVE WORKSITE MANAGEMENT

ConnexiCore's cloud-based platform help you manage, process, view, analyze and collaborate around aerial data. Our industry-specific solutions provide the simplicity, security, and scalability that enterprises require to turn aerial data into business insights. Improve worksite management with ConnexiCore Construction Software Solutions

For our clients desiring to model off our drone collected data, we utilize point clouds. These LAS-output files can be imported into popular modeling software such as AutoCAD's Revit and ReCap software or used to create a 3D mesh of the environment. This allows for extremely fast turnaround times for BIM modeling and calculations. Due to our use of highly accurate control points, our accuracies are up to +/- 2cm or less.

VALUE OF DRONES THROUGHOUT THE CONSTRUCTION LIFECYCLE

AERIAL MAPPING DATA

Aerial inspections produce comprehensive data that supports all aspects of planning, compliance, and monitoring in the building design, engineering, and construction phases. Drones provide decision-makers with the ability to easily assess construction sites, track construction progress, and inspect all types of structures and mitigate issues. But when it comes time to actually use drones for a job, many questions come up. Even companies who have already purchased drones are sometimes lost as to how to effectively incorporate them and manage the process of collecting the data in a way that is safe, legal, efficient, and useful.

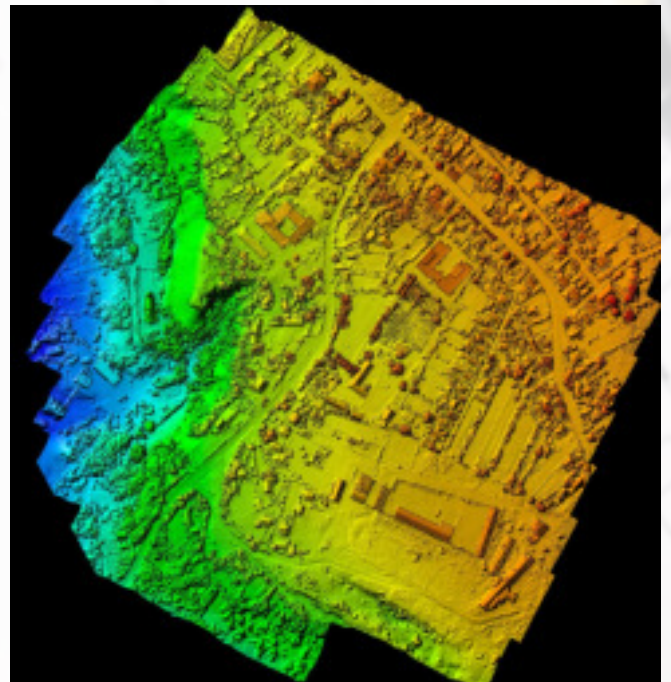


FEASIBILITY AND BIDDING PHASE

Aerial data is imported into survey software to create 3D models of existing conditions. This helps with determining feasibility, understanding constructability, and helping owners visualize what the project will look like in the end. It can also be used to identify areas of risk. The planning, surveying, architecture, and engineering that go into shaping what eventually will become a construction project all rely on good data.

DESIGN AND PRE-CONSTRUCTION PHASE

Drone mapping and surveys help inject real-world conditions into design conversations. The ability to easily capture site information also improves the rate at which the design can be iterated on. Getting accurate aerial information on site conditions allows all stakeholders to visualize the scope of the project and foresee any potential challenges.



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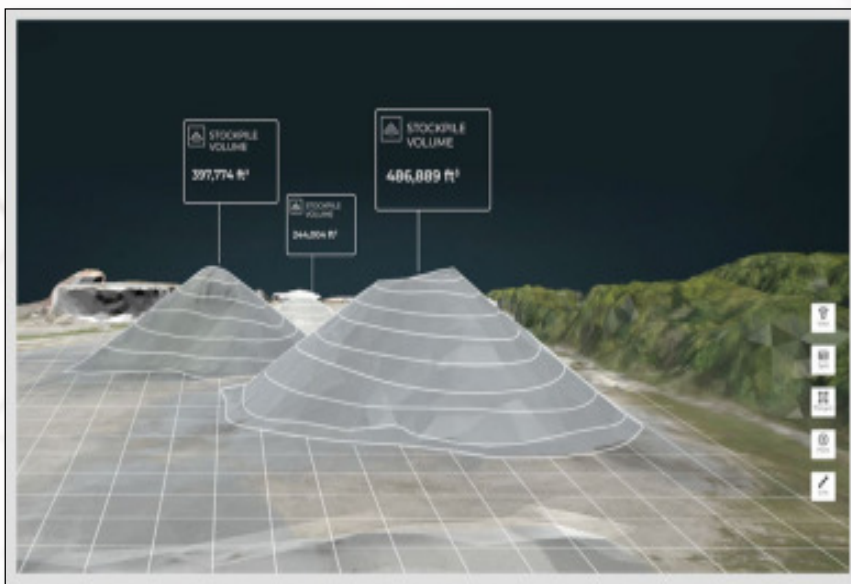
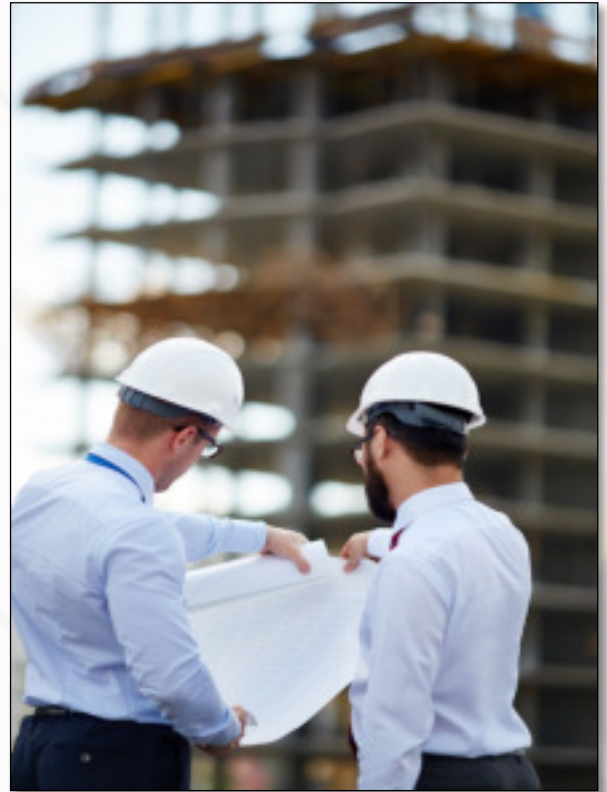
PROJECT DOCUMENTATION & JOB SITE MONITORING PHASE

Many construction firms who have adopted drone technology use them to collect BIM (Building Information Modeling) information to see what the building will look like upon completion. This allows them to identify anomalies on the digital model and address them before they become problems on the physical job site. Drone aerial data collection tools also make it easier to communicate with sub-contractors and clients.

For their ability to provide cost-savings, improve safety, and perform tasks efficiently, drones are a smart investment for construction companies.

STOCKPILE AND VOLUMETRICS TRACKING

Recurring volumetric analysis can accurately track material usage or project progress and can compare proposed grading plans with true topographic conditions. Measure cut and fill volumes, optimize imported material quantities and cost. With the advanced stockpile analytics, you get greater visibility of your inventory to help you follow up the use of the materials, plan provisioning and more easily attain budgeting goals.



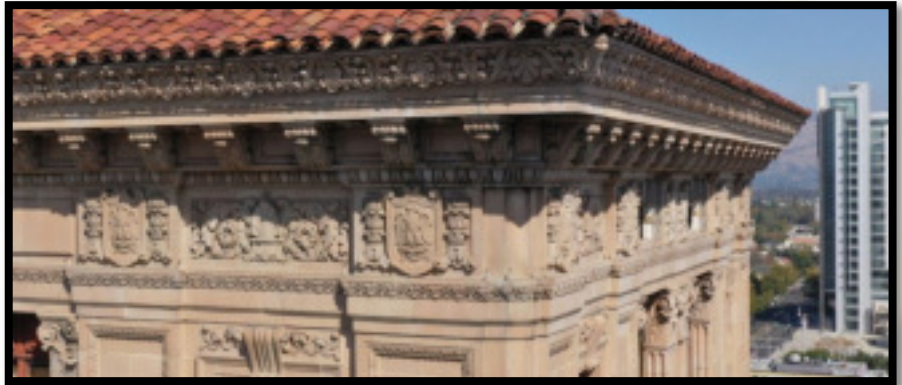
VALUE OF DRONES THROUGHOUT THE CONSTRUCTION LIFECYCLE

ROOF & FASCIADE INSPECTION

Aerial building inspections with drones will radically reduce the time needed to get accurate insights into the state of roofs and vertical façades without putting personnel at risk. Identifying roof damage, standing water, façade cracks, and other issues with a simple drone inspection using a visual spectrum (RGB) camera are common bonuses for drone usage. Drones provide automated data analysis to estimate roof size and locate obstructions for new roofing. Inspections using thermal cameras can also identify hot and cool spots for roof inspections and energy audits.

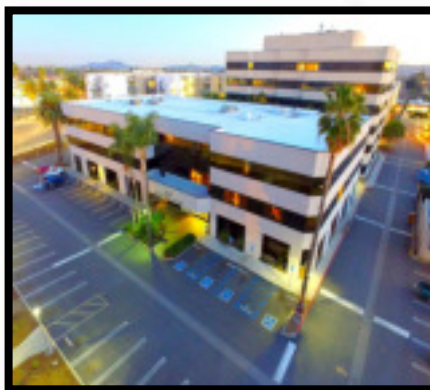
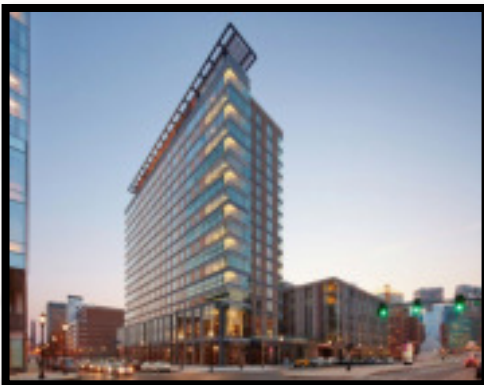


Facade inspection results include a full breakdown of images and problem areas in an easy-to-reference report.



MARKETING IMAGERY

Photography and video are the most common uses of drones today. Capture dramatic pictures of your property or project to use for sales and marketing and to populate your website. Have a building with a dramatic view? Help drive pre-sales by using drones to capture the view from each floor before the building is complete.



ConnexiCore carries a \$10M insurance policy for our fleet and most pilots are OSHA-10 certified.