



***Drone Flight Services Pricing***  
***Architectural/Engineering/Construction***

**800-874-9640**

**[www.connexicore.com](http://www.connexicore.com)**

**New York | Atlanta | Dallas | Chicago | San Francisco**



*Enterprise Drone Flight Services*

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## **Architectural/Engineering/Construction Drone Pricing Schedule:**

Today's drones pack a big value, helping project managers, superintendents, field engineers, and VDC teams build instant ROI with high quality jobsite-ready maps and models. Time and again, drones save money, reduce downtime, and improve safety on construction projects. Building inspections often require teams of people clambering along walls, walking across rooftops and the construction of scaffolding.

Drones equipped with high resolution 20+ megapixel images or reams of clear and sharp 4K footage can be captured in a single flight for close inspection on the ground. It's amazing to see a building come together in a time lapse video. It's even better when there is aerial drone footage. Drones allow you to see progress in detail, allowing you to supervise construction in a more detailed way without having to get your hands dirty. You won't even have to set foot on the site if you don't want to, instead relying on your drone to give you the information you need while you pilot it from a distance.

Today builders can use the aerial photography to capture unique views of a project to show off their capabilities to prospective clients, especially on the large-scale construction sites. Many home inspectors inspect only the parts of the house which are easily accessible. This means they won't be climbing up on your roof anytime soon. Drones make it possible to give you more information on the roof during the home inspection, which can potentially be the deciding factor in whether to buy the property.

### **Architectural/Engineering/Construction Drone Pricing Schedule-**

**Up to 2-Hour UAV Services:    (Contact for Pricing)**

**Up to 3-Hour UAV Services:    (Contact for Pricing)**

**Up to 4-Hour UAV Services:    (Contact for Pricing)**

- Includes 1-Pilot in-charge and 1-Safety Visual Flight Observer
- Project Management/Mission Planning
- Site survey / Post Project Processing (*Data Stitching*)
- Construction Progress Monitoring
- Earthwork Volumetric\* & 2D Measurement- Area, cut, fill, volume, and distance (*Once we have collected the images, they are processed with our powerful geoprocessing tools. With this software we can generate a high-resolution elevation map and calculate the volume of specific objects*)
  - Cut volumes
  - Fill volumes
  - 3D surfaces and Slopes
- Stockpile and inventory management

- Aerial View Study (*Whether your new real estate development is in the planning phase, construction phase, or pre-selling and marketing phase, acquiring an accurate view study is invaluable*)
- Topographic Map (*showing the relief features of the earth's surface*)
- 3D Point Cloud (*data points in some coordinate system. In a three-dimensional coordinate system, these points are usually defined by X, Y, and Z coordinates, and often are intended to represent the external surface of an object*)
- Photogrammetry (*the science of making measurements from photographs. The input to photogrammetry is photographs, and the output is typically a map, a drawing, a measurement, or a 3D model of some real-world object or scene*)
- Orthorectified Imagery (*an aerial photograph or image geometrically corrected*)
- Orthomosaic (*used to measure true distances, because it is an accurate representation of the Earth's surface, having been adjusted for topographic relief*)
- CAD Data Integration
- GIS (*A geographic information system (GIS) is a system designed to capture, store, manipulate, analyze, manage, and present spatial or geographic data*)
- Unlimited aerial images / Unlimited aerial Video
- Full License for all media
- Inspection Report / Post project processing (stitching)
- 72-Hour turn-around
  - \* Volumetric calculations (Distance, Area, Cut, Fill Measurements)

*\*All sessions include a certified and Part 107 licensed pilot and safety visual flight observer. Additionally, all sessions include the necessary \$1,000,000 insurance coverage for project.*



*Drone Flight Services  
Statement-of-Work (SOW)*

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We use best practices and process to increase overall efficiency, lower costs, mitigate risks, enable good customer service, empower our crew to do their best work without wasting time, and scale to meet our clients increasing demand.

### **The ConnexiCore Drone Flight Services Process includes:**

#### **▪ Project engagement**

Understand our customer's requirements. This is all about asking the right questions and communicating well. ConnexiCore takes the time during a new client discovery meeting to understand their expectations enabling us to provide the best service—even if it means declining the job. After initial project discovery is completed our team concludes:

1. Is the job legal?
2. Using a validated drone airspace map, check to see whether the job is within controlled or restricted airspace where we may need special permission to fly.
3. Secure permits, licenses, and insurance needed to perform the job?
4. Is there a more cost-effective way of achieving the same result?

#### **▪ Operations Planning**

Once we have a clear understanding of our client's expectations and we've determined that we have the time slot available and resources to complete the project, it's time to plan. More than any other step in the planning process, this step will ensure that our crew operates as efficiently as possible.

#### **▪ Evaluate Airspace**

Using a validated drone airspace map, ConnexiCore will verify the location of the project. During the project engagement phase, we determine the type of legal airspace in which we need to fly to complete the project. For example, if the job is in the United States within controlled airspace (depicted by indicators on an FAA approved Airspace Map), we may need to apply for a waiver from the Federal Aviation Administration's website. If the project requires that we fly over private property, we may need to get permission from landowners before flying. (This is always a good practice). If the project requires special permission from a regulator or landowner, this could affect scheduling.

#### **▪ Create a flight area**

Depending on the scope of the flight operation, your flight area may be very large (e.g., a wildlife survey) or highly constrained (e.g., inspecting a cellular tower). Regardless, the area will encompass our crew's rally point and takeoff and landing areas. The ConnexiCore Cloud platform allows us to create and share flight areas with our crew, so they can see exactly where they need to go.

#### **▪ Marking Points of Interest**

Our crew needs to know exactly what's expected of them, including rally points, potential takeoff areas, where they need to fly, when, and the type of data they need to collect. The ConnexiCore flight management team outlines points of interest and records these details so our crew can see everything in advance and avoid guesswork once they're in the field.

## Other scheduling considerations:

1. Do we need to block off public access?
2. Does our client require that we have an escort or supervision?
3. Depending on the time of year and weather in the project region and area, we may need to add a buffer to your schedule to account for weather related delays.
4. We typically will confirm with our customer by sending screenshots of our flight plan and confirm that all the details have been accounted for.

### ▪ Execution

On the day of the flight, we check your validated drone airspace map one more time. Temporary flight restrictions can happen at any time—for example, if there is a forest fire or public emergency, or if the President comes to town. There may be a way to work with regulators even in the event of a temporary flight restriction.

### ▪ Close Out

As soon as our team finishes the project, we immediately log the flight. In general, flight logging involves two types of data, which should be reflected in your system of record:

1. What the human beings did
2. What the aircraft did.

All professional drone service providers log flights to maintain pilot credentials, track training requirements, and be prepared for regulatory audits—airspace authorities routinely review pilot logbooks.

For all pilots, flight hours are the major benchmark of professionalism and credibility and they can only be tracked by logging flights.

### ▪ Delivery

For ultimate customer satisfaction, this is the most important part. UAVs have an enormous capacity to quickly and efficiently capture data, but when it comes to serving our customers, and it's how we provide that data that matters. This may involve mapping or video post process editing software. Depending on the type of service we're providing, we are expected to interpret raw data, so our customer can easily make use of it. For obvious reasons, areas around airports require special care and attention. In some jurisdictions, we can request special permission to conduct a commercial operation within an airport coordination zone; in others, we may already be allowed to operate under the terms of our regulatory authorization.

In any jurisdiction, there are likely to be at least several categories of airspace in which commercial UAV flights are allowed only under exceptional circumstances. These can include:

1. Temporary flight restrictions
2. Permanent restricted and prohibited areas and other special-use airspace
3. Flight restriction zones
4. Special flight rules areas UAV operations are generally prohibited in these areas except in special