



PrecisionAerial
SERVICES LLC.



By Utilizing our fleet of drones fitted with high-resolution sensors, we can scan the entire structure providing our clients with crystal-clear high-resolution imagery allowing our clients to use their own in-house staff to review and analyze the data first hand.

Why rely on a third party's version when you can verify the accuracy of the data yourself?

We provide the entire data package so that our clients can archive for historical records, safety audits, maintenance audits, and insurance purposes.

We also perform audits to verify proper equipment installation or all repairs have been completed

With our services:

- Minimize and reduce dangers to personal and general public
- No scaffolding or climbing involved.
- No need to block sidewalks or close streets
- No interruptions to operations or surrounding areas
- Quicker Data collection and delivery
- In-depth and higher detail of data collected
- Zero equipment downtime
- Collect and archive historical inspection records quicker and easier
- Reduce overall costs
- Ability to inspect difficult and hazardous areas
- In-house review and analysis of data





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Chimneys & Exhaust Stacks

Industrial chimneys and smokestacks are subject to deterioration over time from factors such as weather, time, temperature excursions, chemical attack, lightning strikes, and wind loading.

The most damage and wear-prone areas on a chimney are usually the hardest to see from ground level – the top, areas around inlets, inspection ports, and upper reaches of ladders, platforms, and fall-arrest systems.

A program of regular, periodic exterior inspections by drone will help identify early signs of trouble so they can be corrected before they become costlier or pose a danger to health and safety.

As part of a sound, periodic inspection, and maintenance program, a drone inspection along with your maintenance team can be key to keeping your chimney or smokestack in safe good working order.

We also perform audits to verify proper equipment installation or all repairs have been completed.

Communication Towers

With Precision Aerial Services you will no longer need to incur the safety risk or high costs to send a climber up your tower to inspect, audit or survey your equipment.

Utilizing our UAV's PAS can review and audit your tower along with its associated equipment more safely, cost-effectively, and provide quicker results.

We provide our clients with crystal clear video/Photo imagery to review at their convenience. We can also provide our clients with high resolution 3D models of the structure. This imagery also serves as historical records for our client's safety and maintenance audits.

Utilizing the 3D model data our clients can not only "Fly/walk" around the 3D tower model and equipment, our clients can measure tower components such as antennas, supports, wire runs, clearances, height from ground, and much more. As a bonus PAS can produce an actual 3D printed model of our client's structure.

Why rely on a third party's version when you can verify the accuracy of the data yourself?

We are able to provide to our clients:

- * Crystal clear high-resolution inspection imagery
- * Pre and post construction mapping survey data
- * Audit data
- * Structure mapping/Asset location
- * Line of site survey data
- * New tower build real estate view

Façade, Building, and Roof Review

Building owners and maintenance engineers are often challenged with inspecting tall or structurally deficient buildings. Many situations are not safe or even possible for humans to perform a physical investigation (think high-rise buildings, towers, or roofs with incredibly steep slopes). Telescopic man lifts and scaffolding setups can be very costly and even require the building owner to shut down their business during the setup.

No need for expensive scaffolding, man lifts, climbing rigs, building downtime, or street closures.

Imagery data segments can be shared with the building owner, fellow engineers, and facility management to help interpret the structural condition of the building. Knowing the full extent of the deterioration, engineers can more accurately draw up their plans and associated restoration costs can be calculated more precisely.

Using advanced computer flight software, we can repeat the original flight to show original condition vs completed repairs or progress of repairs. For monitoring the condition of your exterior, we can perform scheduled flights to record the condition of the exterior. This will give you side-by-side results over a period of time. This can be very useful in monitoring the behavior of a façade.

A virtual model of the building is created in 2-D and 3-D and can be viewed from any angle.



(812) 266-0760



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