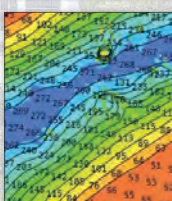


SEE THE DETAILS. MAKE THE RIGHT DECISIONS.

When you need to see what's really happening on a building, roof, road, shoreline, or lake bottom—without tying up crews or risking safety—SkyData UAV provides the clarity to make informed decisions.

- **High-rise façade surveys:** Crystal-clear close-ups of cracks, spalling, exposed rebar, rust, and sealant failures—perfect for Florida's 30-year, 20-year, and milestone inspections; and to document pre- and post-construction changes from adjacent high-rise developments.
- **Roof surveys:** High-resolution imagery scans to identify damage that's invisible from the ground.
- **Mapping:** Accurate maps of HOA properties, no matter how large.
- **Pavement condition (PCI) surveys:** Drone-based maps analyzed according to ASTM standards to rate roads and parking lots, helping prioritize maintenance with measurable data.
- **Seawall, lake wall and dock surveys:** Aerial, shoreline, and underwater imaging to assess wall alignment, undermining or voids, cap or joint failures, vegetation impacts, pier conditions and structural supports. Outputs include photographs, videos, and a repeatable baseline for ongoing monitoring by structural engineers.
- **Lake bottom (bathymetric) surveys:** Shallow-water depth mapping for lakes, ponds, and retention basins using sonar and GPS. These generate color-coded depth charts, cross-sections, and sediment change reports for dredging, planning, and compliance.



THE PLACES WE GO:

Apartments
Condominiums
Lake Bottoms
Office Buildings
Parking Garages
Residential Communities
Retail Centers
Roofs
Seawalls & Docks
Warehouses

Part 107 Licensed Pilots

Commercially Insured Up To \$5 Million

More Than 80 Condominiums Surveyed



Serving Clients From Orlando to the Keys

SkyDataUAV.com

954.647.3924

We Help You See Hard-To-Reach Places

DRONE SERVICES

BUILDING SURVEYS

ROOF SURVEYS

PROPERTY MAPPING

LAKE BOTTOM MAPPING

PARKING LOT CONDITION

SEA AND LAKE WALL SURVEYS



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BUILDING FAÇADE SURVEYS

Our experienced FAA-licensed drone pilots safely conduct vertical surveys of buildings to systematically collect high-resolution videos and photographs at all elevations and in hard-to-view places for structural engineers to identify and document deficiencies, including:

- Cracks
- Balcony failures
- Broken concrete
- Exposed rebar
- Missing stucco
- Paint failure
- Post-tension cable post pockets
- Railing post pockets
- Roofs - cracked tile and slippage
- Spalling
- Window caulking failure

SkyData's process for collecting, organizing, and annotating images has precisely pinpointed façade deficiencies and delivered data more efficiently for quicker analysis compared to traditional methods..

Drone façade surveys are conducted:

- For government-mandated inspections.
- Before and after construction of adjacent buildings.
- Before and after structural repairs and painting.
- Pre- and post-hurricanes.
- To document construction progress.



OUR DRONES FIND



CRACKS



POST-TENSION CABLES



BROKEN CONCRETE



DAMAGED ROOF TILES



RUST



DEFECTIVE WINDOW SEALS

HOA NEIGHBORHOOD MAPPING

SkyData's high-resolution maps of lakes, canals, roads, common areas, and entire HOA neighborhoods help identify erosion, structural and roof defects, and the condition of roads, parking lots, common areas, homeowners' properties, and landscaping.



PARKING, ROAD AND SIDEWALK SURVEYS

SkyData captures high-resolution photographs of asphalt and concrete in HOA parking lots, sidewalks, and roads to create detailed geo-referenced surface maps. Patented software analyzes these maps and correlates the pavement images with ASTM D6433 standards to generate pavement condition index (PCI) scores. These scores assess the structural integrity and functional condition of the asphalt and cement. The PCI-scored map helps commercial property owners, condominium associations, HOAs, and engineers plan, bid, and carry out long-term repair projects.

Benefits:

- Total site visibility
- More precise and quicker than manual surveys
- Non-invasive
- Scalable for properties of any size



SEAWALL AND LAKE WALL SURVEYS

Seawalls can be damaged above and below the waterline by saltwater, tidal forces and storms, wave action and wakes, vessel impacts/dragged anchors, lateral earth and hydrostatic pressures, and construction or drainage defects. Lake walls face many of the same hazards—wind-driven waves, seiches/rapid drawdown, toe scour, seepage/piping, vegetation and animal burrows, nearby blasting/seismic loads, and poor drainage—leading to cracking/spalling, exposed or corroded rebar, timber rot, and loss of capacity.

Aerial drones and underwater ROVs surveys produce detailed imagery that support engineers' inspections and structural evaluations.

LAKE BOTTOM SURVEYS



SkyData's lake bottom surveys measure the depth and slopes of bodies of water in your community. A bathymetric survey assists with:

- **Flood control and capacity.** Sediment gradually fills ponds, reducing storage. A survey provides accurate stage-storage curves to track original designed volumes.
- **Regulatory compliance.** Many HOAs are subject to stormwater permits. Bathymetry helps verify that ponds meet permitted depths, volumes, and outlet control elevations.
- **Planning dredging becomes easier.** Surveys quantify sediment accumulation and locations, enabling better scope definition, realistic bids, and avoiding over- or under-spending. They also aid in reserve studies and multi-year budgets.
- **Protect infrastructure.** Mapping reveals buried debris near weirs and spillways.
- **Legal risk management.** Objectively dated maps defend HOA positions if there are complaints, property damage claims, or disputes over sediment sources and cost sharing among sub-associations.

