

Case Study: Drone Façade Inspection at 101 E Flagler St, Miami, FL

Overview

Client: Structural Engineering Firm

Location: 101 E Flagler St, Miami, FL 33131

Service Provided: Drone Façade Inspection

Objective: Conduct a thorough inspection of the building's facade to meet the compliance standards set by Florida's Façade Inspection Safety Program (FISP).



Challenge

The historic building at **101 E Flagler St** is a multi-story structure located in a busy downtown area. Traditional facade inspection methods would require scaffolding or lift systems, posing logistical challenges, including road closures, safety concerns, and significant time investment. The client needed a faster, safer, and cost-effective solution to gather data and ensure compliance with Florida's new inspection regulations.

Solution: Drone Technology by Cynosure Aerial

Cynosure Aerial was engaged to conduct a comprehensive drone inspection of the building's exterior. Our team deployed drones equipped with high-resolution cameras and thermal imaging sensors, capturing every angle of the facade in a single day. The drones flew around the structure, covering areas that would have taken weeks to reach with conventional methods like scaffolding.

- **Time Savings:** Instead of requiring weeks to set up scaffolding or lifts, Cynosure Aerial completed the entire drone flight and data collection in one day.
- **Cost Efficiency:** By eliminating the need for heavy equipment and extra labor, the drone solution significantly reduced costs. A cost saving of at least **twelve thousand dollars** for the client.
- **Safety:** The drones eliminated the need for workers to climb the building, reducing the risk of falls or accidents.

Results

Within **a week**, Cynosure Aerial delivered a detailed report of high-resolution images and thermal data to the structural engineers. This allowed the client to quickly assess the facade's condition and identify areas requiring repair, ensuring the building was compliant with FISP.

- **Drone Flight Time:** 1 day
- **Data Delivery Time:** 1 week
- **Disruption to Building Operations:** Minimal
- **Safety Concerns:** None



Conclusion

The use of drones by Cynosure Aerial for the facade inspection at **101 E Flagler St** not only saved time and costs but also provided the client with a safe, efficient, and high-quality solution. Our drone technology allowed the structural engineers to meet Florida's FISP requirements faster than traditional methods, ensuring compliance and reducing disruptions to daily building operations.

Learn more about our drone inspection services at www.cynosureaerial.com.

