

# How a major construction management company used Skyward to launch safe, successful drone operations

## COMPANY SNAPSHOT : MOSS

- Drone program established in 2019
- ENR Top 100 Contractors (2017-2019)
- 10 offices across the U.S.
- **Headquarters:** Fort Lauderdale, FL

### PROJECT TYPES

- High-rise
- Solar
- Stadium
- Education
- Judicial
- Police & fire
- Aviation
- Maritime port
- Passenger rail



When employees expressed interest in using drones on the jobsite, Moss needed to find a way to train, equip, and launch a safe drone program that would comply with federal regulations. The Moss safety department knew that launching drones without consistent standards for operations and procedures could result in significant risk.

It was about as 'Moss-ified' of a package as we could have hoped for... It appears to me that Skyward's team combed through it pretty carefully based on our needs and what our missions were going to look like.

— *Scott Gerard, VP, Environmental, Health & Safety*

Moss purchased **Skyward's Quick-Start Package** for Enterprises, which includes – the hardware, software, training, and support needed for a nascent drone program:

1. **Certification:** Moss employees received access to an online training platform, preparing them to pass their Part 107 Remote Pilot exams and become FAA-certified drone pilots.
2. **Standard Operating Procedures:** Skyward provided Take Flight, a general operating manual for drone operations, and worked with Moss to customize the package to Moss's specific corporate policies, needs, and use cases.
3. **Equipment:** Skyward delivered best-in-class drones, tablets, batteries, and accessories for Moss's program.
4. **In-person training:** Skyward's Professional Services team provided a three-day, in-person training, including courses on drone equipment, FAA regulations, Skyward's software platform, and Moss's policies & procedures.
5. **Hands-on flight exercises:** Moss pilots applied this information in the field by planning and flying practice missions, logging data, and following Moss's standard operating procedures.



## Potential Use Cases:

- Photogrammetry - extracting 3D data from 2D images
- Leak inspections
- Solar array inspections
- Aerial surveillance during demolitions
- 3D construction mapping to compare actual construction progress to 3D planning models
- Videography for promotion
- Photography showing the view from an office window or balcony that hasn't yet been constructed
- Pre-slab pour inspections
- Post-tensioning layout verification

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