

# USING DRONES IN FACILITIES MANAGEMENT




MIKE SHELGREN – OWEN J. ROBERTS SCHOOL DISTRICT  
VINCENT PALADINO - TREMCO

**PASBO**  
62<sup>nd</sup> Annual Conference & Exhibits | Share. Learn. Succeed.  
March 21 - 24, 2017 ~ David L. Lawrence Convention Center, Pittsburgh

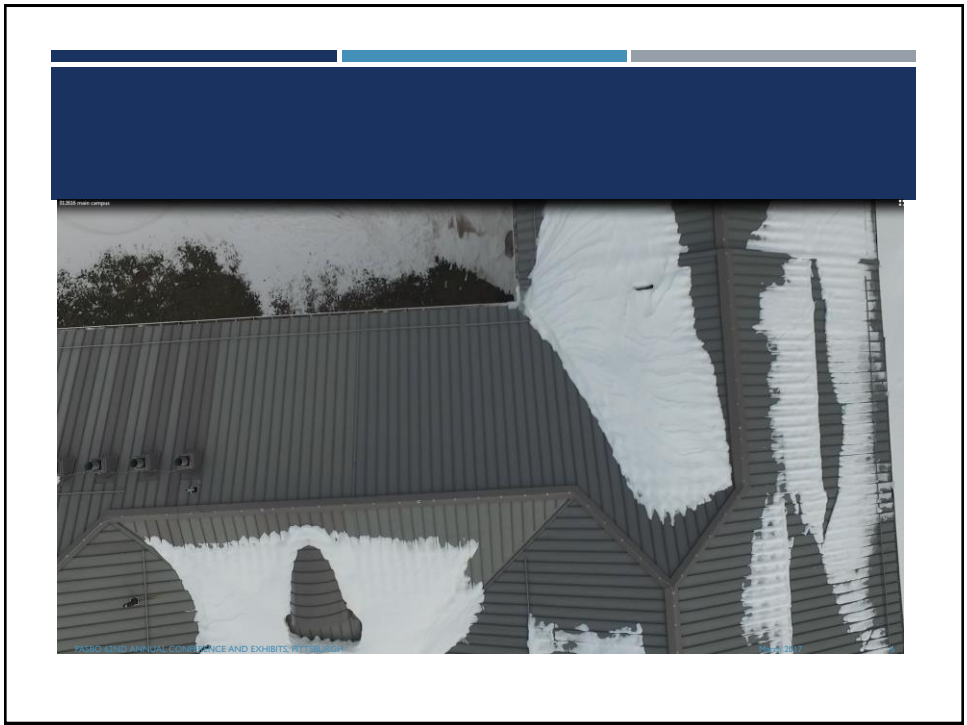
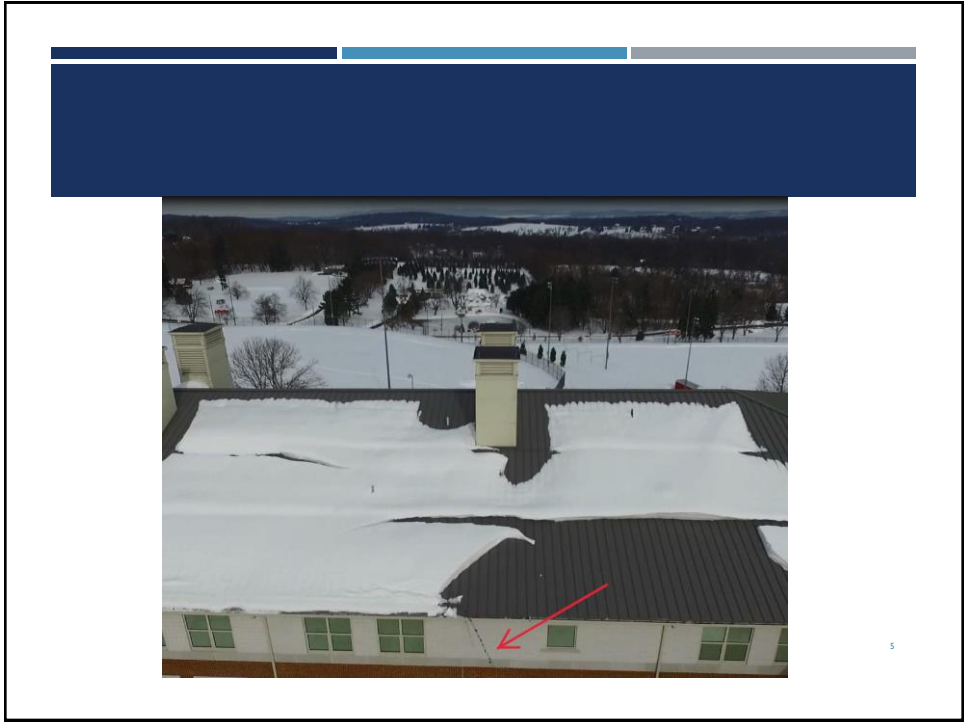
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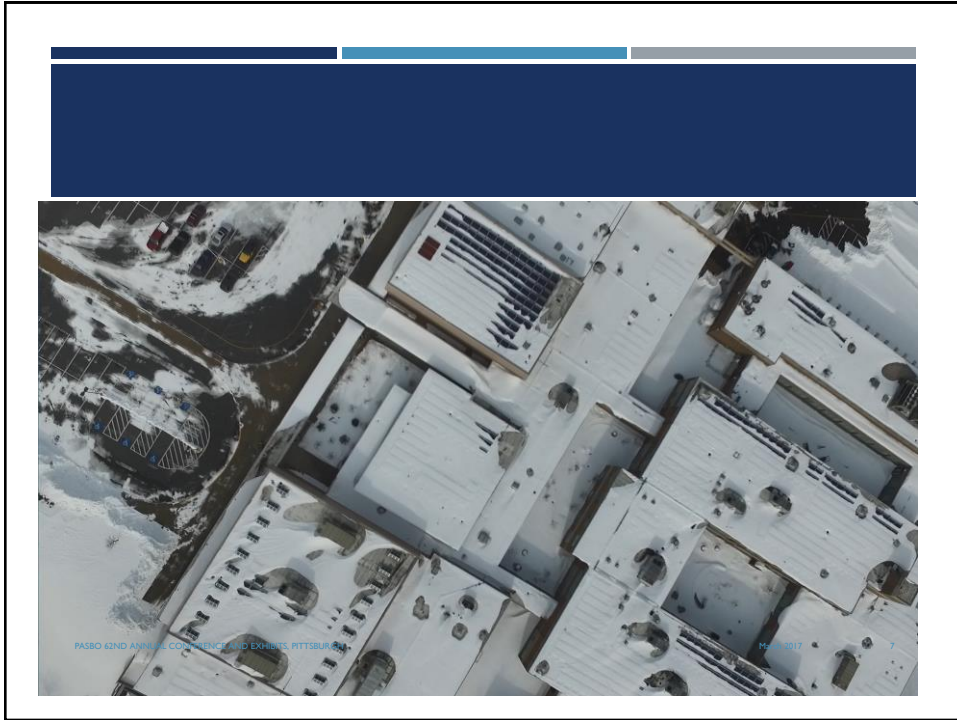
The banner features the word "PASBO" in large, bold letters. Each letter is filled with a different image related to school business operations: a school building, a person at a desk, a person holding a sign that says "SCHOOL BUS", a person at a computer, and a person in a lab coat. Below the letters, the text "62<sup>nd</sup> Annual Conference & Exhibits | Share. Learn. Succeed." is displayed in a blue box, followed by "March 21 - 24, 2017 ~ David L. Lawrence Convention Center, Pittsburgh" in a black box. At the bottom left, it says "PASBO 62<sup>ND</sup> ANNUAL CONFERENCE AND EXHIBITS, PITTSBURGH" and at the bottom right, "MARCH 2017 1".

- Drone use in our district
- Licensing & regulations

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- Initial need was for new building construction documentation.
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  - - Allowed for safe and detailed documentation of construction activity from overhead.
  - - Easily document large portions of the site progress from a single photo or video.
    - Drone video is very easy to share with staff & students.

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- Safely document building conditions & inspect for damage areas.





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- -Routine inspections can be conducted safely & efficiently.

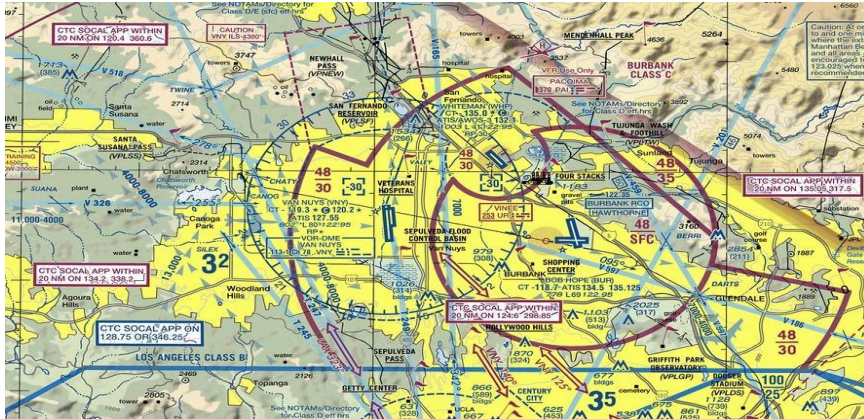
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## ■ Licensing & regulations

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- -Use of a drone by a school employee is considered a non-recreational use and requires a UAS (Unmanned Aircraft System) remote pilot license.



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- -Test is called the “FAA Part 107 Certification”.
- -Test needs to be scheduled at an approved FCC testing center (17 testing centers in Pennsylvania).
- -Proctored test.
- - \$150.00 fee, pass or fail.
- -Instant test results.
- -Valid for two years, certificate holders must pass a recurrent knowledge test every two years.

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- -FCC offers a free downloadable study guide.
  - -Highly recommend 3<sup>rd</sup> party study guides, YouTube videos and study guide Apps.



- OTHER REQUIREMENTS


- -FCC registration of drone. Required for any drone over .55lbs. Register online for five dollars, is good for 3 years.
- -Insurance



## ■ Helpful Resources

- -B4UFLY app (free download for IOS and Android) provided by the FAA.
- PREPWARE Remote Pilot App (cost \$5.00)
- FAA study guide, available for free download on FAA website [faa.gov/uas/](http://faa.gov/uas/)

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## ■ Questions?

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