Drone Infrared Imaging
Get the Real Picture

PREFLIGHT UAS INSPECTION

1. A preflight inspection of the sUAS (small unmanned aircraft system) and RC (Remote Controller) unit will be performed.
    a. An inspection of the Hull will be done to see if there are any cracks or abnormalities in the body of the sUAS.
    b. All batteries will be inspected for any swelling or reasons for concern. Batteries will be inspected for having a full charge. It is always good procedure to fully charge the batteries as well as fully discharge the batteries down to 15-20%. Make sure the batteries are firmly seated in place in the battery compartment.
    c. Make sure the propellers are firmly seated as they should, no loose or unbalanced installs. Install proper guards if necessary.
    d. Remove the camera lens and clean.
    e. Start the sUAS by pressing the battery on button twice and holding for three seconds.
    f. Stand at a safe distance away from the sUAS, at least 15' away.
    g. Inspect the RC for any cracks or abnormalities. Make sure the antennas are tight with no cracks.
    h. Start the RC by pressing the on button twice and holding for three seconds.

PREFLIGHT SAFETY PROCEDURES

1. Make sure the sUAS, the RC and the software are communicating and the home point has been set. This is important if battery life runs out or a disconnect of the RC and the sUAS happens, the sUAS can automatically fly to the home point.
2. Know where you are going to fly and if there are any obstacles in the way of that flight. Make provisions for avoiding those obstacles.
3. Know your surroundings. Is there anything electromagnetically that would cause a disconnect between the sUAS and the RC?
4. Make sure to follow the FAA Safe Flying Recommendations.

INFLIGHT SAFETY PROCEDURES

1. Position the sUAS away from you at a safe distance away (approximately 15') Check for obstacles above the sUAS.
2. Take off and allow the sUAS to hover for approximately 20 secs.
3. Test your controller to make sure the all functions are working properly.
4. Keep a clear line of sight with the sUAS in operation.
5. Monitor the battery and return landing zone as flight is occurring.
6. Know your parameters for flying the sUAS such as how high, how far, and who what and where is the flight going to take place. Avoid flying over people, cars and close to airports. Check several apps to make sure it is a safe fly zone.

GENERAL SAFETY

1. All models of aircraft will be conducted with accordance to this safety code.
2. No sUAS will be flown in a reckless or careless manner.
3. A spotter will be used when appropriate to do so.
4. The sUAS will not be flown higher than 400' above ground level and three miles from any airport unless the airport is contacted and permission is given.
5. All sUAS will not exceed a weight of 55 lbs.
6. All sUAS s will be FAA certified and will have the FAA number clearly marked on the aircraft.
7. All operators will not be under the influence of alcohol or any other substance while flying.
8. All sUAS are for the use of aerial photography both pictures, video and infrared. These sUAS will not be used for delivery of any type of package.
9. When required, a hard hat will be worn which will be in accordance with OSHA.
10. All sUAS will not be flown in a wind over 20mph or in the rain or inclement weather of any kind.

Let's fly safe.