

TOWER, SUBSTATION AND LINE INSPECTIONS



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SKYDRONE UAVS
Unmanned Aerial Vehicle Services



Industrial Inspections | Flight Training | Sales | Design | Maintenance | Repair | Mission Packages

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Innovative, affordable and reliable UAV inspection services for transmission towers, substations and lines utilizing thermography and photo and video imaging for early failure point detection.

SKYDRONE Unmanned Aerial Vehicle Services aerial tower, substation and line inspection service utilizes the most advanced technology, ICAO/FAA licensed pilots, electrical power line specialists, and certified operators to detect weak points before they impact your power line network.

Our aerial inspection service delivers unmatched results using drone technology together with thermographic imagery, ultra violet measurements, and visual imaging. Our industry experience and use of innovative technology provides you with cost effective, close-in high definition imagery, which is the focus of our company. We use the latest generation of thermographic imagers, infrared camera technology, corona detection cameras and high definition still and video equipment from market leaders. Our inspections services provide you with a comprehensive report, which includes multiple measurements, high-resolution imagery and/or videos along with geo location to identify potential failure points. With our services, your company can reduce your inspection costs, improve efficiency, reduce maintenance costs and potentially eliminate failures when using of our innovative transmission, distribution and substation inspection solutions. Our UAV's can perform what once were cost prohibitive aerial secondary line and steel and wood pole inspections.



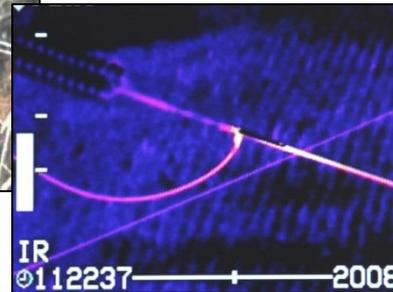
High Res Photos



HD Videos



Corona Detection



IR Images

Calibrated IR Cameras
HD Video Cameras
High – Res Photos
Corona Cameras
Geo Locating

Early Detection of:

- Faulty insulators
- Anchor pylon problems
- Overheating connections
- Oxidizing switching elements
- Loose clamped or bolted joints
- Damaged cables and connectors
- Right of way obstructions and erosion
- Plant and other growth on components
- Undersized conductors and components
- Loose or faulty suspension elements, spacers and vibration dampeners

UAV Advantages

- Our decreased equipment and associated operation costs allow us to provide our services at a fraction of piloted craft inspections.
- Unmanned craft removes the potential for loss of life compared to piloted craft inspection scenarios.
- Zero operational network impact if structural collisions or catastrophic equipment failure occurs.
- Drones perform extreme close-in inspections and close up imagery unlike any piloted craft.
- Electric vehicle eliminates noise impact on livestock and wildlife populations.
- Environmentally friendly, zero emission electrical vehicles.
- Effectively zero habitat impact utilizing aerial vehicles.
- Cost effective aerial spur line and pole inspections.

UAV Operations

- Missions are performed in accordance with ICAO flight standards.
- Only licensed commercial and general aviation pilots operate drones.
- Inspection flight observers are all commercial and general aviation pilots.
- Vehicles are flight certified, maintained and inspected in compliance with ICAO standards.



UAV Field Requirements

Most weather conditions are acceptable for flight operations.



Inspection Data and Reports

The inspection data provided includes complete flight documentation, thermographic images and measurements, high-resolution photos and HD video images. Data will be embedded with geo location for mapping and will be provided on a flash drive.

Reports document all components requiring maintenance or repair. Defects are indicated on a digital map along with corresponding photos and measurements.

FOR MORE INFO VISIT US AT WWW.SKYDRONEUAVS.COM