



UAS SERVICES

AERIAL INTELLIGENCE FOR ELECTRIC UTILITIES

EDM'S TEAM OF FAA CERTIFIED UAS PILOTS SPECIALIZE IN COLLECTING THE DATA NEEDED BY ELECTRIC UTILITIES, AT A FRACTION OF THE COST OF TRADITIONAL METHODS. PAIRED WITH EDM'S EXPERT UTILITY AND GIS TEAMS, WE PROVIDE END TO END ANALYSIS AND REPORTING TO IMPROVE ELECTRIC UTILITY INFRASTRUCTURE.

Our pilots have flown tens of thousands of visual and thermal distribution and transmission pole inspections, hundreds of substation inspections and orthomosaics, and installed thousands of line markers on transmission OHS, OPGW and energized conductors.

**VISUAL + THERMAL INSPECTION
ORTHOMOSAIC MAPPING
WILDFIRE MITIGATION**

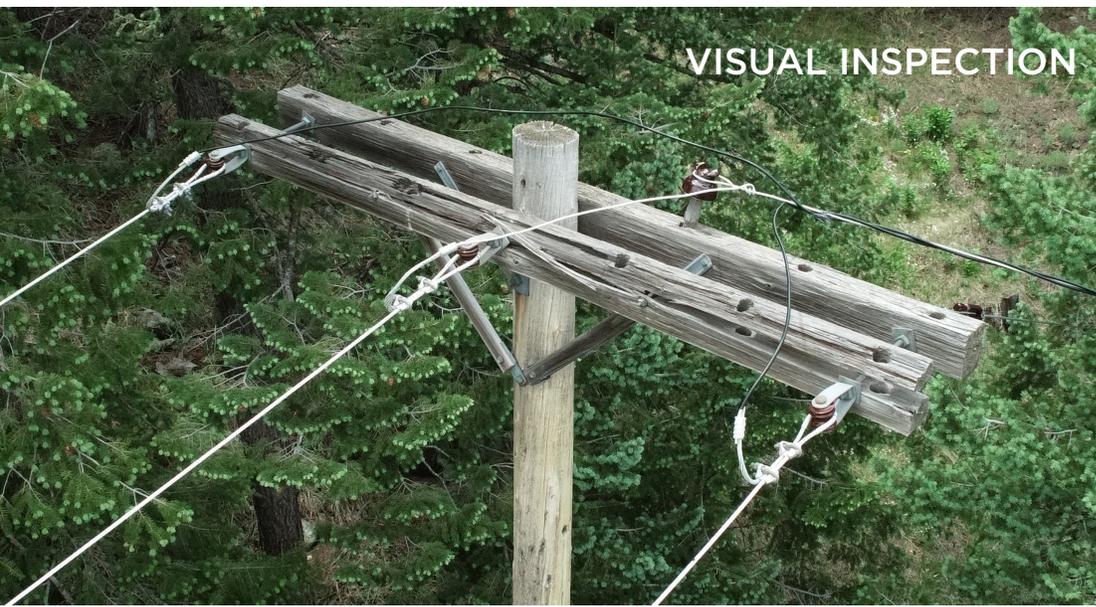
**LINE MARKER INSTALLATION
SUBSTATION INSPECTION
LIDAR + VEGETATION MAPPING**

Our missions routinely include FAA and military airspace authorizations, including authorizations to fly within the boundaries of commercial airports. We fly in densely populated urban and industrial areas as well as suburban, rural and undeveloped landscapes.

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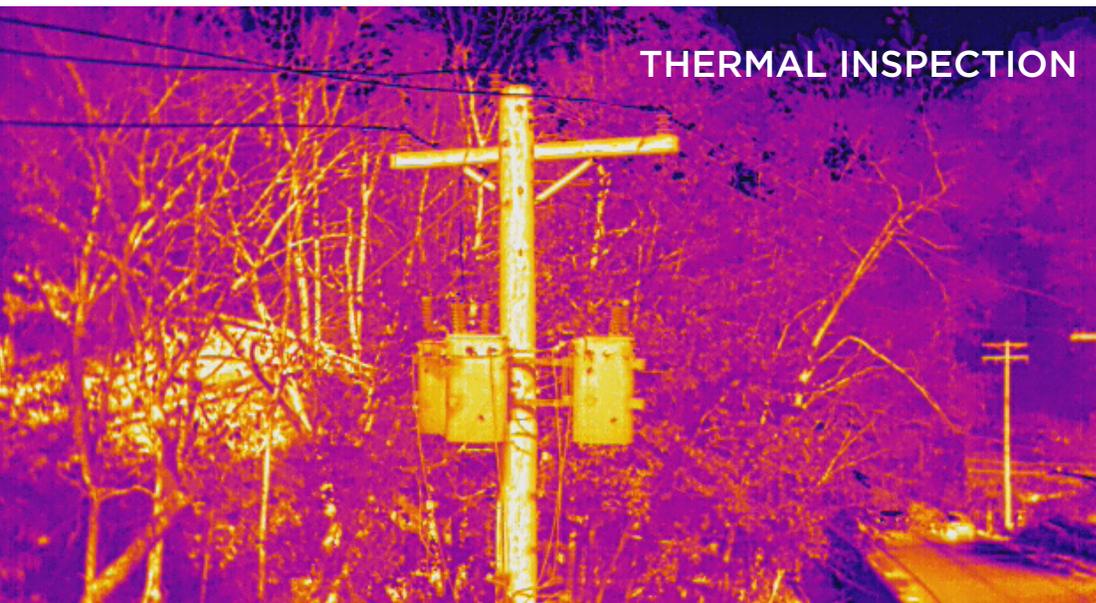
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VISUAL INSPECTION

Identify defects before they cause an outage or wildfire. UAS visual inspection allows you to quickly identify damaged and faulty distribution and transmission line equipment, prioritizing your resources for repair and replacement.



THERMAL INSPECTION

Thermal imaging allows you to diagnose hidden issues before they cause an outage or fire. Overheating transformers, hot splices and connectors are easily discoverable and assessed through infrared inspection.



SUBSTATIONS + MAPPING

UAS substation orthomosaic mapping and nameplate reading allow you to efficiently assess resource needs and maintenance issues. Pre + post-construction mapping avoids liability for pre-existing damage to rights of way.

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LINE MARKER INSTALLATION



Line markers prevent collisions from both migratory birds and low-flying aircraft. Installation through EDM's proprietary UAS-mounted system saves time and money, and is far safer than helicopter installation.

PRE + POST CONSTRUCTION



Documenting pre and post-construction conditions avoids liability for pre-existing damage to energized line rights of way, including private and civic property. High resolution UAS imagery can detect even the smallest cracks in access roads.

NAMEPLATE READING



Identify critical asset information quickly through high resolution UAS nameplate reading, saving time and increased safety over scaling electrified equipment.

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