

Drone Volt US Launches LineDrone Solution to Enhance Utility Wildfire Mitigation Strategies

Drone Volt US's LineDrone is a hybrid drone-robot designed for inspecting live high-voltage power lines, enhancing safety, reducing costs, & preventing fires.

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EINPresswire.com/ -- [Drone Volt US](#) proudly unveils [LineDrone](#), a groundbreaking robotic inspection solution that is redefining how utilities assess and maintain live high-voltage power lines. Engineered to operate directly on energized conductors up to 315 kV and 1500 A, LineDrone eliminates shutdowns, cuts operational risk, prevents deadly utility fires, and unlocks new levels of speed and precision in grid diagnostics.

Combining the agility of a drone with the stability of an on-line robot, LineDrone delivers unmatched versatility. It takes off, lands, and rolls effortlessly along conductors—clearing obstacles, self-righting on inclines, and capturing mission-critical data with integrated tools like LineOhm and LineCore. Tool changes are instantaneous, requiring no wrenches or screwdrivers, keeping crews productive and inspections flowing smoothly.

Designed for the realities of fieldwork, LineDrone deploys in under 15 minutes, handles challenging weather conditions, and gives operators confidence with real-time 720p video, encrypted 1 km communication links, and built-in fail-safes. Every aspect has been tested in

DRONE VOLT®
United States



demanding lab and live-line conditions to ensure reliability where it matters most.

LineDrone also delivers a significant financial advantage for utility operators. By replacing costly legacy inspection methods—such as helicopter flyovers and highly specialized live-line worker teams—LineDrone dramatically reduces operational expenses. Utilities can now achieve the same or greater inspection quality at a fraction of the traditional cost, with faster deployment and far fewer logistical constraints.

Beyond operational savings, LineDrone helps utilities avoid massive financial losses associated with wildfires. By enabling frequent, high-resolution, on-conductor inspections, LineDrone empowers utilities to detect wear, damage, and early-stage faults before they spark catastrophic events. Preventing even a single wildfire—an incident that can cost billions in damages, fines, and legal liability—creates extraordinary ROI and positions LineDrone as a critical tool in modern wildfire-mitigation strategies.

LineDrone delivers what utilities need most: safer operations, cost savings, faster turnaround, and deeper insight—without taking the grid offline.

Drone Volt's newest innovation empowers utilities to modernize their maintenance strategies, dramatically reduce downtime, and move toward a more innovative, data-driven approach to grid reliability.



LineDrone isn't just an upgrade—it's a new era for power line inspection.

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