

Automated, Optimized Planning & Field Inspections

Mastering Remote Operations in the Utilities Sector



OPERATIONAL CHALLENGE

Utilities operate vast, aging networks where inspection quality directly impacts safety, reliability, and compliance. Asset inspection planning and execution are often disconnected and rely on labor intensive and unreliable

workflows resulting in fragmented and inefficient workforce allocation, inconsistent capture, manual field coordination, poor visibility into inspection progress, and programs that are difficult to scale.

STANDARDIZE HOW INSPECTION WORK IS PLANNED AND EXECUTED ACROSS YOUR NETWORK

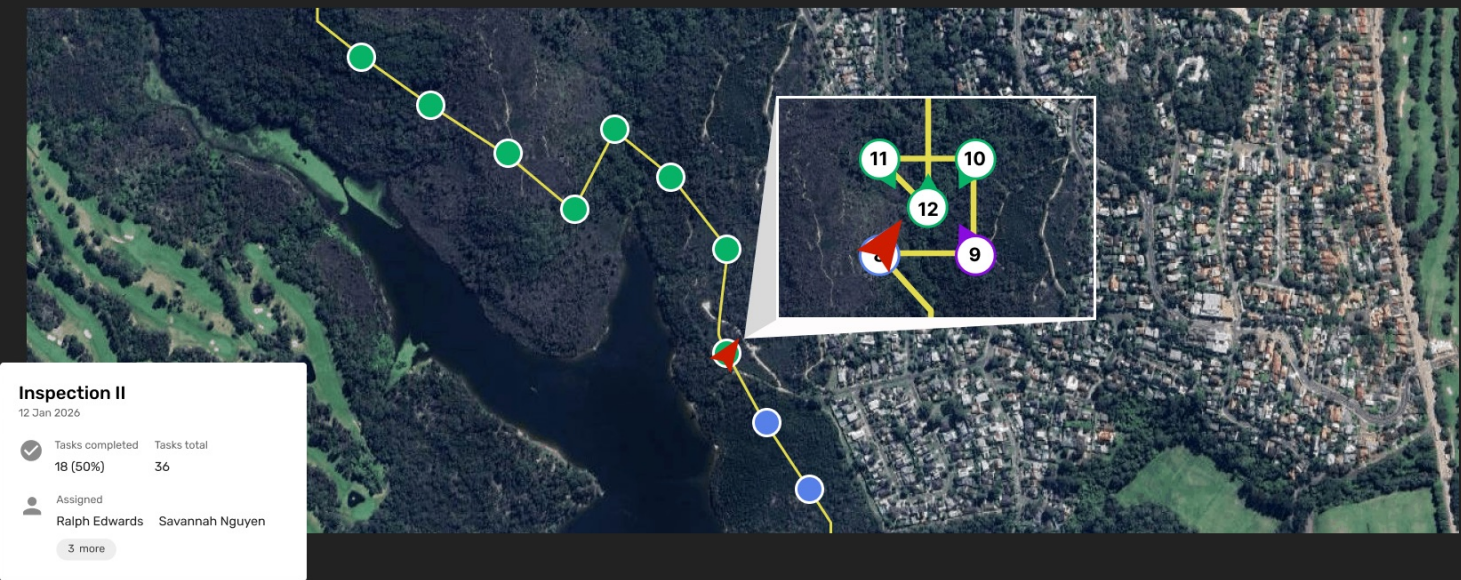
Unify and align planning, task allocation, autonomous flight mission creation, and media capture into a single operational workflow. See more predictable field execution, consistent imagery with improved visibility across inspection programs.



PRE-FIELD CAPABILITIES

Faster, Better Mission Planning

Use existing asset portfolio data to optimize field team coordination



Network-Wide Coordination

More efficient asset-based mission planning using existing GIS and asset data. Faster mission setup without sacrificing accuracy or coverage.

Job allocation, inspection status verification, and progress tracking in one system. Clear task allocation with audit trails.

Asset-Aware Mission Design

Automated flight path generation aligned to asset type and inspection standards.

Workforce And Fleet Optimization

Automate Inspection Programs at Scale

Conduct coordinated, automated drone missions across multiple sites and regions



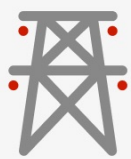
Complete Network Coverage

Automated workflows prevent over- or under-capture across large pole networks, ensuring no assets are missed or duplicated.



Clear Pilot Tasking

Missions load directly to the ground control system, keeping pilots informed on exactly what and when to inspect.



Asset-Aware Automated Inspections

Customized, automated missions load for each asset (based on your shot sheets), ensuring correct, consistent imagery every time, ideal for AI processing.



Direct Cloud Upload

Imagery and logs are uploaded directly from the ground control system to the cloud where they are collected and organized into asset-specific folders for easy management.



Optimized Image Capture

High-quality imagery is key to reliable inspections. Auto-adjust camera settings for consistent images across operators and conditions.



Scalable Remote Operations

Enable remote team management and visibility with live streaming and centralized, real-time progress monitoring.

OPERATIONAL BENEFITS

Drone automation delivers tangible, measurable results for energy operators navigating complex infrastructure portfolios.

Faster & Safer Inspections

40-60% ↓

Reduction in inspection cycle time compared to manual methods

Reduced Truck Rolls

10-15% ↓

Significant reduction in repeat site visits due to more consistent capture

Improved Field Team Efficiency

25-40% ↑

Expand inspection programs without additional field crews

Planning and inspection are only valuable if the data they produce can be trusted. Unleash live ensures every inspection delivers structured, consistent imagery linked to assets and locations. This enables automated AI analysis, faster expert review, and more accurate reporting workflows.



Learn More

Contact us: unleashlive.com/contact

