

Faster, Smarter, Better Asset Condition Insights

Using sophisticated operational planning, drone mission automation, AI and geospatial reporting, Unleash live delivers intelligent, scalable visual inspections and condition assessments across energy networks.



OPERATIONAL CHALLENGE

Utilities manage vast, aging networks where inspection quality affects reliability, compliance, and public safety. Regulatory pressure and cost constraints mean inspections must scale without adding workforce burden, while delivering reliable, auditable asset insights.

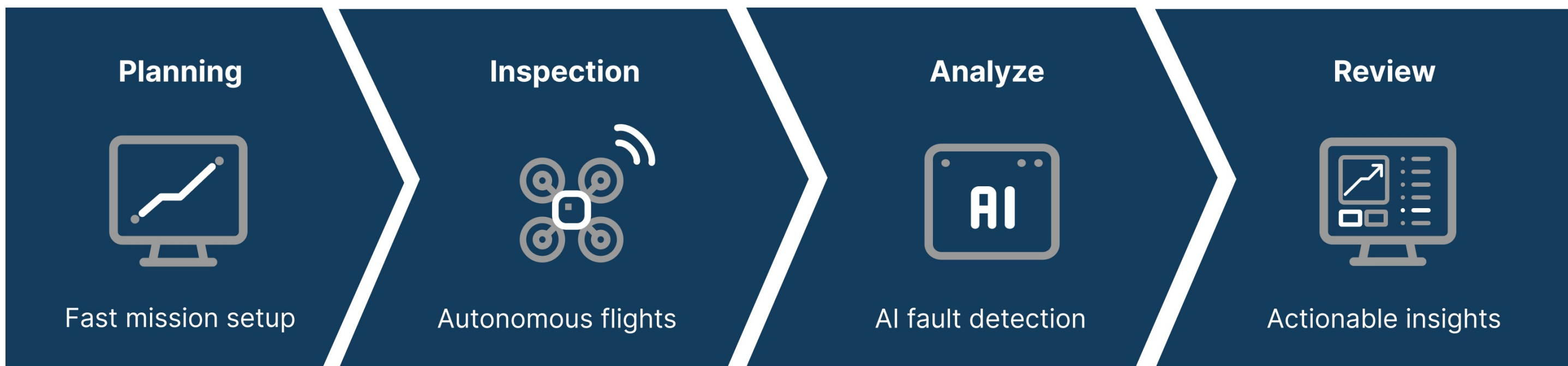
TESTIMONIAL

"Using Unleash live with DJI drones has tripled our defect detection, cut costs, and reduced emissions by 80 percent. The automation and image quality give us faster, safer, and more accurate insights to keep the power on and communities safe."

Steve Lette, Head of Digital and Insights at Endeavour Energy

THE SOLUTION

Unify and standardize operational workflows to plan inspections, capture consistent imagery, assess asset condition, and deliver actionable insights.



Planning & Work Allocation

Asset-aware mission planning uses existing GIS and asset data with standardized inspection profiles for optimized field team coordination. Includes built-in progress tracking, verification, and audit trails, delivering predictable execution, less rework, and clear program visibility.



Inspection & Image Capture

Automated, repeatable flight paths ensure consistent image capture across drone pilots, with secure ingestion of imagery and metadata and reduced over or under capture. Delivers reliable datasets for analysis and long term condition monitoring.



Computer Vision AI: Built Specifically for Utilities

Customized AI for distribution pole condition assessment delivers industry-leading fault detection. Trained on global assets and combined with expert review and rapid retraining, it adapts quickly to any utility’s specific infrastructure and inspection procedures.



Analyze Asset Condition Assessment

AI models detect and classify multiple component faults, with human-in-the-loop review and rapid retraining that leverages the reviewed imagery. Enables faster, more consistent condition assessments while retaining expert oversight.



Review & Act On Insights

Configurable dashboards and reports integrate securely with EAM, ADMS, ERP, and GIS systems. Supports maintenance prioritization and work order creation, so inspection insights feed directly into operational decision-making.

ROI/BENEFITS

Deliver faster, safer, and more accurate inspections, boosting productivity, cutting emissions, reducing downtime and outages, and improving defect detection.

High Performance AI 91% ↑ F1-Score for precision and recall	Defect Identification 300% ↑ Identification increased in the first year (vs helicopters)	Rapid Identification < 24hrs ↓ Overnight identification of critical faults for prioritized remediation
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

GETTING STARTED

Flexible deployment models let utilities start small and scale enterprise-wide, integrating with existing solution providers and workflows, while gaining standardization and automation where it matters most.

Pilot		Operational Rollout	
In-Field	Image Analysis	Deploy	Expand
Rapidly validate automated inspection technology in your environment with hands-on, practical testing.	Test and optimize the AI model on your imagery through SME validation and retraining workflows.	Deploy full access to Unleash live’s platform for automated, data-driven inspections with drone automation, AI and integrated reporting tools.	Scale across your organization with SSO/MFA, role management, custom AI models, alerts, API access, and integration.