

# ASSET INSPECTION AUTOMATION FOR UTILITIES

Manual grid inspections strain budgets and slow decision-making. Many utilities spend more than 40,000 hours each year reviewing drone, satellite, and LiDAR imagery, often exceeding \$2 million in annual costs, yet insights remain fragmented across systems and teams.

Using AI-driven image analytics and scalable cloud infrastructure, Logic20/20 helps utilities apply visual data to prioritized, defensible decisions that reduce wildfire risk, improve reliability, and lower operating costs.

## HOW WE HELP

Logic20/20 delivers measurable business impact by building an enterprise-grade inspection analytics platform aligned with your cloud strategy.



### OPERATIONAL EFFICIENCY AT SCALE

Process drone and LiDAR imagery in the cloud to accelerate review cycles and enable faster operational decisions.



### AI-POWERED HAZARD DETECTION

Deploy computer vision models to identify asset and vegetation risks before outages and safety events occur.



### CENTRALIZED INSPECTION DATA MANAGEMENT

Store and govern inspection imagery in the cloud, creating a secure, searchable system of record.



### REGULATORY-GRADE SECURITY & REPORTING

Apply enterprise-grade security controls and structured outputs to strengthen regulatory reporting and audit readiness.



### FLEXIBLE CLOUD & EDGE ARCHITECTURE

Implement hybrid cloud and edge designs that support near real-time analysis and targeted field operations.

## Logic20/20 Risk & Emergency Management for Utilities



Regulatory Alignment



Digital & AI Foundations



Asset Investment, Planning & Operations



Enhanced Asset & Vegetation Analytics



Emergency Operations

## WHAT UTILITIES ACHIEVE WITH LOGIC20/20

# 40%

reduction in inspection  
operating expenses

# 16,000

inspector hours  
saved each year

# \$10M

capital capacity  
unlocked



### CASE HIGHLIGHT: FROM AD-HOC DRONE INSIGHTS TO ENTERPRISE ANALYTICS

A large Midwest utility recognized that its drone inspection program was generating data, but not enterprise value. Use cases were scattered across business units, and investment decisions lacked a clear roadmap.

Logic20/20 conducted a seven-week maturity assessment spanning 10 stakeholder groups across four lines of business. We identified 22 high-value use cases and developed a four-year implementation roadmap aligned to operational priorities and budget cycles.

The result was a clear, defensible business case for scaling drone analytics across the enterprise, along with executive alignment on sequencing, funding, and measurable outcomes.

### USE CASES FOR ASSET INSPECTION AUTOMATION

- ✓ Vegetation encroachment detection
- ✓ Equipment defect identification
- ✓ Post-storm damage assessment
- ✓ Asset registry validation
- ✓ Condition-based maintenance planning
- ✓ Drone-enabled construction oversight

### NEXT STEP: SCHEDULE A SOLUTION DESIGN WORKSHOP

Scan or click the QR code to book a Solution Design Workshop for your team.

