ConnXAI

DroneIQ

DRONE INSPECTION INTELLIGENCE

DRONE INTELLIGENCE AS A SERVICE



TURN AERIAL DATA INTO ACTIONABLE INFRASTRUCTURE INTELLIGENCE

Capture → Analyze → Act

CAPTURE EVERYTHING	DETECT WHAT MATTERS	RECORD & COMPARE	ACT WITH CONFIDENCE
Multi-angle imagery, video, and sensor data from every mission	AI-powered analysis flags defects, anomalies, and risks in real time	Every mission becomes part of a permanent, searchable record	Findings integrate directly with MaestroIQ and your existing systems

WHAT DRONEIQ DOES

DroneIQ combines autonomous and FAA-certified drone operations with AI-powered analytics and MaestroIQ — deployed permanently, on-demand, or on a schedule, based on how your organization actually operates.

By capturing high-resolution imagery, thermal data, LiDAR, and more, then running it through AI-assisted analysis, DroneIQ transforms aerial footage into flagged findings, mission records, and infrastructure intelligence your team can act on.

The result: Clarity across every asset. Confidence in every inspection. Action on every finding.

DroneIQ turns every flight into a finding —and every finding into action.

THE CHALLENGE

Critical infrastructure inspection wasn't built to scale.

01 Manual access requires closures, lifts, and crew exposure

02 Inspections take days or weeks to complete

03 Footage without AI review creates reporting bottlenecks

04 Findings live in one-time reports, not comparable records

05 Risk increases the longer defects go undetected

+1-609-438-6100

connxsales@connxai.com

www.connxai.com



Core Capabilities

Managed Drone Missions
Autonomous and FAA-certified piloted operations for any deployment model

MaestroIQ Integration
Findings flow directly into your unified intelligence layer

Live Mission Control
Real-time streams, telemetry, and mission status in one view

AI-Assisted Defect Detection
Identifies cracks, corrosion, spalling, and anomalies automatically

Compliance-Ready Reporting
FAA flight logs, audit trails, and documentation built in

Mission Record & History
Every flight path, finding, and result permanently stored

Deployment Models

DronelQ Guardian
(Permanent Autonomous Deployment)

Drone-in-a-Box infrastructure for 24×7 autonomous monitoring



DronelQ Rapid Response
(On-Demand Drone Services)

FAA-certified pilots dispatched for emergencies and incidents



DronelQ Inspect
(Infrastructure Intelligence)

Scheduled inspections with Digital Twin and GIS integration



Use Cases



Transportation Agencies
Inspect bridges, roadways, and rail corridors without full closures.



Public Safety Organizations
Real-time aerial intelligence for incidents, patrols, and emergency response.



Utilities
Monitor power lines, substations, solar, and wind assets safely from above.



Industrial Operators
Inspect facilities and equipment without halting production.



Construction Companies
Track progress, map sites, and monitor safety in a single flight.



Government Agencies
Monitor public infrastructure and facilities through one accountable partner.



Airports
Inspect runways, towers, and perimeters without disrupting flight operations.



Ports
Inspect cranes, docks, and marine infrastructure without disrupting cargo operations.



Rail Operators
Inspect track, signals, and corridors without service interruptions.

The ConnX Advantage

- More than footage — actionable intelligence
- One platform, three ways to deploy
- Managed, turnkey delivery
- Built for mission-critical infrastructure

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