

ASSET INVENTORY AGENT

Turn field photos into structured, searchable records across telecom and utility networks — new captures and historical libraries.

The Business Challenge

Most operators are sitting on thousands of existing field photos that have never been analyzed. The **Asset Inventory Agent** delivers immediate value by analyzing existing photo libraries on day one, with no field crews required. Beyond that, large inspection programs rely on manual review, making them slow, inconsistent and difficult to scale. Inspection results are not always captured accurately in the system of record, increasing compliance risk. And without reliable asset condition data, operators cannot plan maintenance intelligently or validate network readiness.

How the Agent Works

1	Capture Field teams capture new inspection photos, or the agent ingests existing photo libraries, delivering value immediately on deployment.	2	Analyze Visual AI analyzes each photo to assess asset condition, validate attachments and identify compliance issues at scale.	3	Validate Inspection findings are reviewed efficiently with AI assistance, reducing manual effort and accelerating sign-off.	4	Record Verified asset condition, capacity and compliance data is synchronized into GIS and network inventory systems.
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Old Way vs. With Visual Agent Studio

Old Way	VS	With Visual Agent Studio
✗ Thousands of existing photos unused and unanalyzed		✓ Historical photo libraries analyzed from day one
✗ Manual inspection review and photo analysis		✓ Visual AI inspection and validation at scale
✗ Disconnected inspection evidence		✓ Inspection data captured directly in system of record
✗ Inconsistent asset condition records		✓ Trusted, validated asset condition data
✗ High cost and slow inspection programs		✓ Scalable inspections with reduced manual effort

Proven Customer Outcomes

Confirmed results from operators deploying the Asset Inventory Agent:

Outcome	Result
Inspection program costs	Manual review overhead eliminated
Time to insight from existing photos	Immediate, from day one
Asset condition data accuracy	Consistent AI assessment replaces manual checking
Asset turn-up and capacity decisions	Based on verified current condition data
Compliance and audit readiness	Every inspection backed by photo-verified, timestamped evidence

