

VISUAL AGENT STUDIO

Scale visual AI across your network operations.
Deploy instantly. Configure with ease. No disruption.

Most operators audit only 10 to 15 percent of completed work today. Without reliable field validation, the rest remains exposed:

Repeat Visits Rework drives up cost per premise and delays revenue	Delayed Revenue Validation bottle necks slow billing and customer connection	Degraded Data Network records drift from reality, limiting automation	Day-One Churn Failed activation damages experience from the start
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With Visual Agent Studio, operators achieve:

100% automated validation achievable where deployed	20M+ field jobs processed per year	20+ automated checks per agent deployed
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What is Visual Agent Studio?

IQGeo Visual Agent Studio is a library of reusable, configurable AI agents built specifically for telecom and utility networks. Rather than relying on manual review of field evidence, operators deploy visual agents to automate quality control, validation and documentation at scale.

Three Ways To Deploy Your Agent Library	Four Agents, One Platform
 Pre-Built Out of the box, immediate value, no setup	Visual Agent Studio
 Configured Prompting and examples, no code needed	Asset Inventory Turn field photos into structured, searchable records across telecom and utility networks
 Advanced Custom-built for specialized use cases	Drop Installation Verify completed installation work and provide auditable proof for contractor management
	Service Activation Validate installation readiness and ensure right-first-time service activation
	Smart Meter Installation Validate smart meter installations at scale for compliance, accuracy and audibility

Why Leading Telecom and Utility Operators Choose Visual Agent Studio

COO / Operations - Faster execution with less rework - Improved visibility across the network lifecycle - Reduced operational friction	CFO / Finance - Accelerate revenue realization - Reduce manual audit and revisit costs - Digital audit trail reduces financial exposure	CTO / CIO / Head of AI - No bespoke AI projects or model training - Faster to deploy than build-yourself - Lower TCO and deployment risk	Field & Operations Teams - Structured evidence from field photos - Faster approvals and project closeout - Clear, auditable proof of work
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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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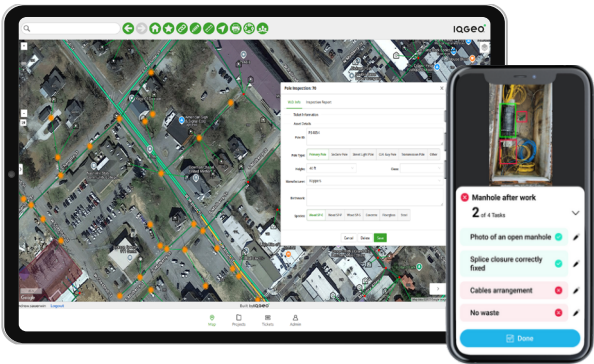
Old Way vs. With Visual Agent Studio

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



DROP INSTALLATION AGENT

Verify completed drop installation work.
Deliver auditable proof for contractor management.

The Business Challenge

Drop installations are one of the highest-volume, highest-risk stages in fiber network delivery. A mix of internal crews and contractors with manual back-office close-out review means defects are rarely caught at the point of work. Failures emerge only after crews have left, driving costly truck rolls, rework and service activation delays. Without automated validation, operators can't enforce consistent standards, produce reliable as-built records or trigger fair contractor payments. Where historical close-out photos exist, the agent can also analyze these from day one, surfacing previously undetected defects without additional truck rolls.

How the Agent Works

1	Capture Field crew captures close-out photos: conduit, trench depth, NID placement, ONT transition and site restoration.	2	Analyze Visual AI validates each photo: conduit presence, trench depth, fiber dressing, NID security and site restoration.	3	Validate Non-conformances flagged on-site in seconds. Crews fix issues before leaving. No costly return visit.	4	Record Verified evidence and as-built data linked to the work order and asset record in Network Manager.
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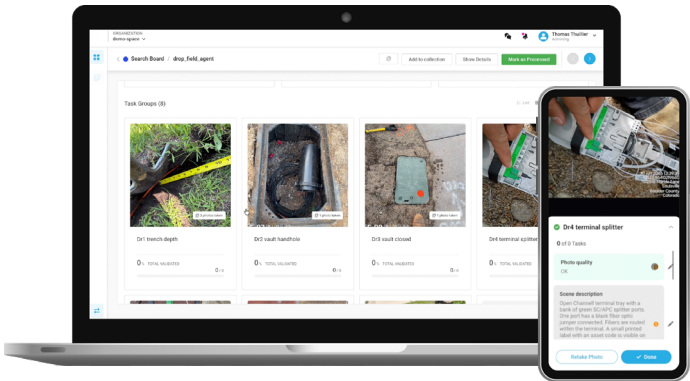
Old Way vs. With Visual Agent Studio

Old Way	VS	With Visual Agent Studio
✗ Existing close-out photos unused and unvalidated		✓ Historical drop photos analyzed from day one
✗ Manual close-out review in the back office		✓ Real-time photo validation at point of installation
✗ Defects found only after crews have left		✓ Non-conformances flagged on-site before crews leave
✗ Incomplete documentation delays contractor payment		✓ Contractor payment based on verified proof of work
✗ No consistent standard across crews and contractors		✓ Every installation checked against the same standard
✗ Undetected defects cause service activation failures		✓ Installation quality validated before activation begins

Proven Customer Outcomes

Expected results from operators deploying the Drop Installation Agent:

Outcome	Result
Installation defect detection	On-site, before crews leave
Documentation quality	Complete and validated at point of work
Contractor payment	Based on verified proof of work
Service activation success	Improved through pre-activation validation
Audit and compliance readiness	Photo-backed evidence on every job



SERVICE ACTIVATION AGENT

Validate installation readiness and ensure right-first-time service activation.

The Business Challenge

Only 10 to 15 percent of fiber customer installations are verified today. Poor or missing photo documentation, manual data entry errors and undetected workmanship defects mean up to 20% of installs fail at service activation. Each failure costs a truck roll, delays revenue and risks day-one churn. Without reliable validation at the point of install, operators cannot ensure right-first-time activation or trigger fair contractor payments. Where historical installation photos exist, the agent can also analyze these from day one, surfacing previously undetected issues without additional truck rolls.

How the Agent Works

1	Capture Technician captures photos during installation. The agent guides photo quality and completeness in real time.	2	Analyze Visual AI analyzes each photo instantly, validating ONT placement, cabling, labels and workmanship against installation standards.	3	Validate Errors flagged on-site in seconds. Technicians correct issues before leaving, preventing service activation failures.	4	Record Validated installation data and photos are linked to the customer record and work order in Network Manager.
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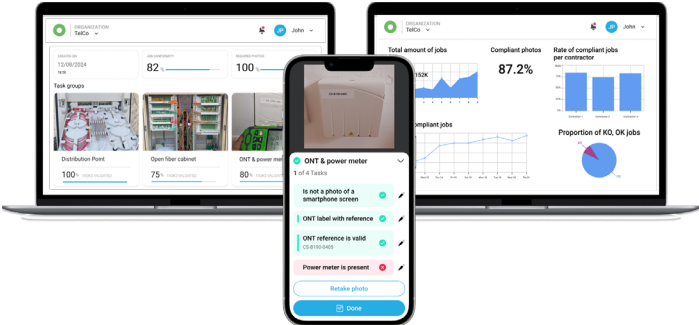
Old Way vs. With Visual Agent Studio

Old Way	VS	With Visual Agent Studio
✗ Existing installation photos unused and unvalidated		✓ Historical installation photos analyzed from day one
✗ Manual verification of a small portion of installations		✓ 100% of customer installations automatically verified with AI
✗ Data entry errors from manual field reporting		✓ Automated data capture and form filling
✗ Disconnected inspection evidence		✓ Inspection data captured directly in system of record
✗ No visibility on contractor work quality		✓ On-site validation prevents service activation failures

Proven Customer Outcomes

Confirmed results from operators deploying the Service Activation Agent:

Outcome	Result
Service activation success rate	Right-first-time rate substantially improved
QA/QC coverage	From 10% to 100% – every installation validated
Failed first-time activations	Down from ~20% baseline
Manual QA and rework costs	Eliminated for validated installs
Contractor billing	Based on AI verified proof of completion
Customer experience	Fewer missed appointments, faster activation



SMART METER INSTALLATION AGENT

Validate smart meter installations at scale for compliance, accuracy and auditability.

The Business Challenge

Utility operators face regulatory deadlines to deploy smart meters at scale. Yet most audit only 10 to 15 percent of installations today. Unexploited photos, manual data entry errors and post-installation quality checks mean defects go undetected until a costly revisit is required. Without reliable validation, operators cannot trigger contractor payments accurately, meet compliance requirements or maintain data integrity in the system of record. Where historical meter photos exist, the agent can also analyze these from day one, uncovering previously undetected defects and delivering immediate value from existing libraries

How the Agent Works

1	Capture Technician captures photos. The agent guides photo quality in real time.	2	Analyze AI reads meter data and validates workmanship against quality standards.	3	Validate Errors flagged on-site in seconds. Technicians fix issues before leaving.	4	Record Structured data and audit trail linked to the asset in Network Manager.
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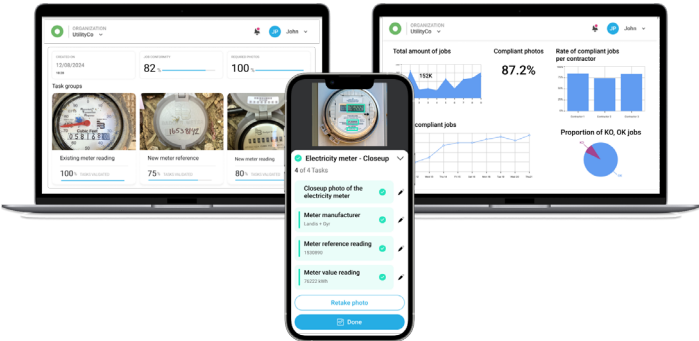
Old Way vs. With Visual Agent Studio

Old Way	VS	With Visual Agent Studio
✗ Existing meter photos unused and unvalidated	✓	Historical meter photos analyzed from day one
✗ Manual verification of a small portion of installations	✓	100% of customer installations automatically verified with AI
✗ Data entry errors from manual field reporting	✓	Automated data capture and form filling
✗ Disconnected inspection evidence	✓	Inspection data captured directly in system of record
✗ No visibility on contractor work quality	✓	On-site validation prevents service activation failures

Proven Customer Outcomes

Confirmed results from operators deploying the Smart Meter Installation Agent:

Outcome	Result
QA/QC coverage	From 10–15% sample checks to 100% with every meter validated
Field safety and installation quality	Errors corrected on-site before technicians leave
Costly revisits and rework	Prevented at source
Manual audit costs	Eliminated for validated installs
Billing and revenue realization	Triggered on verified completion
Digital audit trail	Complete and on-demand: regulatory and operational



YOUR FIRST 30 DAYS

Deploy pre-built Visual Agents in minutes.
No model training, no data scientists.

With Visual Agent Studio you don't start from a blank page. You start from a **pre-built Visual Agent**. Pick the ready-made use case that matches your work: Asset Inventory, Drop Installation, Service Activation or Smart Meter Installation. Production-ready from day one with 20+ automated checks. Over your first month, deploy it, **extend it to your own standards** with prompts and example photos (no code), and watch it validate real field work in real time. No model training, no data science team, no bespoke AI project. An IQGeo Solution Architect steers the configuration so you get there fast, on a platform your team can run itself.

The 30-Day Journey

WEEK 1 Pick & Deploy	Choose the pre-built agent that matches your work. It is production-ready from day one: your IQGeo SA deploys it in Visual Agent Studio and tests it on your sample photos the same day. <i>You get: A live agent with 20+ automated checks running on your own photos.</i>
WEEK 2 Extend to Your Standards	Adapt the agent to how your crews actually work. Define the photos a job requires and the checks per photo, using prompts and example images. No code, no data scientist; your SA tunes it with you. <i>You get: The agent shaped to your quality standards, not a generic template.</i>
WEEK 3 Validate Real Field Work	Lens goes to a pilot crew and real field photos flow through the agent, returning structured results in real time. Integrate via the Visual Agent API or Lens deep-link connectors, and seed reference photos so accuracy keeps improving. <i>You get: End-to-end validation on live jobs, integrated into your workflow.</i>
WEEK 4 Scale & Repeat	Roll out to production users, monitor adoption and AI performance, then run the same repeatable process for the next use case. From use case to live agent in hours, not months. <i>You get: Live in production, plus a repeatable model across your operations.</i>

Why It's This Fast

- **Pre-built agents, production-ready from day one:** no model training, no data science team, no bespoke AI project.
- **Configure with prompts and example images, not code:** adapt any agent to your standards in minutes.
- **20+ automated checks per agent,** returning structured validation results in real time.
- **Integrates with your existing IQGeo platform:** Lens, AI Review, work orders, network records and reporting.

Where precision demands it (counting, exact localisation, the hardest industrial checks) the same library adds full-custom agents built by IQGeo on traditional deep learning. Same platform, same delivery surface.

Getting Started

What we need from you:

- A use case and the photos your crews already take
- A few sample photos to configure and test against
- A small pilot crew of field users
- API or Lens deep-link connector for integration

Where the Solution Architect fits:

No data scientist required, but you're not on your own. Your IQGeo SA leads configuration, tests the AI, and advises what GenAI does well versus the rare cases better served by a full-custom agent.

It's knowledge transfer, not lock-in: what the SA does in front of you, your team can learn to do next.

Stop Guessing. Start Knowing. Every Field Job, Every time.

Most field work goes unverified. Visual Agent Studio puts AI validation on every job, from day one. No build project. No model training required. Already processing 20M+ field jobs per year.

The Problem

Most operators validate only 10 to 15% of field work. The other 85% goes unchecked. Defects surface late. Revisits pile up. Revenue stalls. Nobody knows until something goes wrong.

What Are You Guessing About?

The answer is different for every role, but the problem is the same.

COO / VP Operations

You're Guessing About:

Which jobs were done right and which ones are about to generate a revisit call.

Start Knowing:

Real-time validation on every job. Issues flagged on site before the crew leaves. Complete visibility across all field activity.

CFO / Finance

You're Guessing About:

What rework, repeat visits and contractor disputes are actually costing you each month.

Start Knowing:

Fewer revisits. Faster service activation. Contractor payments tied to verified, completed work. Fixed AI cost at \$2.50 per job.

CTO / CIO / Head of AI

You're Guessing About:

Whether your AI initiative will actually reach production and how long it will take.

Start Knowing:

Production-ready agents deployed in days across major global operators. Real AI, running at scale today. Not a proof of concept due next year.

Field and Operations Teams

You're Guessing About:

Whether the photos you just captured will pass review, or whether you will be driving back to site tomorrow.

Start Knowing:

Real-time results in the field. Know before you leave whether the job passed. No callbacks, no blame, no wasted journeys.

1B+

field photos analyzed
by IQGeo AI

20M+

field jobs processed
per year

100%

automated validation achievable
where deployed

Why Visual Agent Studio

Deploy Instantly.

Pre-built agents, production-ready on day one. No data scientists, no model training.

No Disruption.

Fits existing field workflows. Configure with prompts and example photos. No code.

Fixed Price. Always.

Contractual ceiling of \$2.50 per job. No exposure to AI cost inflation or token price rises.

Four Production-Ready Agents

Asset Inspection

Telecom and Utilities

Drop Installation

Telecom

Service Activation

Telecom

Smart Meter Install

Utilities