

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.
---	--	---	--	---	--	---	--

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

