SewerAI

SOLUTION BRIEF

SewerAI AutoCode™ with NASSCO Review

The first cloud platform with full, immediate access to historical inspection data.

19+ Yrs	100M+	2,000+
AI TRAINING & REFINEMENT	FEET OF PIPE VIDEO CODED	CITIES IN USE

750K+	115K+	125+
NASSCO SURVEYS COMPLETED	MANHOLES REVIEWED & CODED	3RD PARTY ACCURACY AUDITS

TRUSTED BY CONTRACTORS, MUNICIPALITIES, AND ENGINEERING FIRMS NATIONWIDE

PG&E   HK   AIMS COMPANIES   KUB KNOXVILLE UTILITIES BOARD   EQUIX   VORTEX

THE CHALLENGE

TRADITIONAL INSPECTION IS SLOW, INCONSISTENT, AND ISOLATED.

Camera operators work alone with **delayed or no feedback**, producing results that vary by operator. Manual coding can't scale to meet growing infrastructure demands — and AI alone isn't enough.

THE SOLUTION

AUTOCODE™

AI that works with humans, not instead of them

Computer vision AI trained on **7+ years and 100M+ feet** of real pipe data automatically detects NASSCO conditions. Every result is reviewed by a certified technician. Operators need **zero new software or hardware.**

6X Faster	**Hardware Agnostic**
3,000+ LF/day	Any CCTV Equipment

No New Software	**NASSCO Compliant**
Zero Operator Training	PACP · LACP · MACP

3 STEP QUALITY MANAGEMENT WORKFLOW

AI-powered inspection with multi-layer human verification at every stage

STEP 1
AI PROCESSING
1

STEP 2
TECHNICIAN REVIEW
2

STEP 3
SENIOR QC AUDIT
3

AI PROCESSING

Identifies anomalous & **critical defect regions** per NASSCO standards

Flags **low confidence observations** for prescreen review

Continuously **retrained** from ongoing QC results

TECHNICIAN REVIEW

NASSCO-certified technician validates, corrects & **finalizes** the inspection

Ensures full **NASSCO PACP/LACP/MACP** compliance

Real-time collaboration to **catalog challenging observations**

SENIOR QC AUDIT

Random **5% sample** escalated for final audit by senior specialists

AI flags unusual patterns for **additional review**

Drives the metrics that ensure **client expectations are met**

THE DIFFERENCE

While camera operators typically work in isolation with occasional, delayed feedback, our **NASSCO technicians** operate in live, collaborative sessions. Working directly with our AI team and our most senior QC specialists in real-time, we identify and implement improvements on the fly — evolving **faster and more precisely than industry norms allow.**

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CERTIFIED NASSCO TECHNICIANS
175 YRS EXP.

—— Proven Performance

Internal Quality Metrics: Our Standard

OBSERVATION INTEGRITY

›90%

of observations unchanged following QC audit

INSPECTION GRADE INTEGRITY

›98%

of final inspection grades unchanged

Grade change = any inspection modified from Grade ≤3 to Grade 4–5, or vice versa, following QC audit.

PERFORMANCE MONITORING & CORRECTIVE ACTION

Data-driven accountability at every level

1 All quality metrics updated in **real-time** on a centralized dashboard – transparent to technicians, QC staff, and leadership.

2 If performance falls below thresholds, **QC audit frequency is increased** to provide targeted feedback and support.

3 Persistent errors in **Grades 4 and 5** trigger targeted interventions: coaching, focused retraining, or comprehensive defect code audits.

4 Feedback loops ensure **accountability and professional development** – and feed critical data back into AI retraining.

QUALITY ASSURANCE FOR INSPECTIONS (QAI) OFFERING

SewerAI provides direct access to our quality review tools as part of QAI – enabling customers to **quickly verify inspections at scale** without consuming manual data checks.

✓ **Video quality verification**

✓ **Flagged / actionable codes**

✓ **Required header fields**

✓ **Batch inspection review**

SewerAI

The #1 platform for underground infrastructure management

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SUPER. HUMAN. RESULTS.