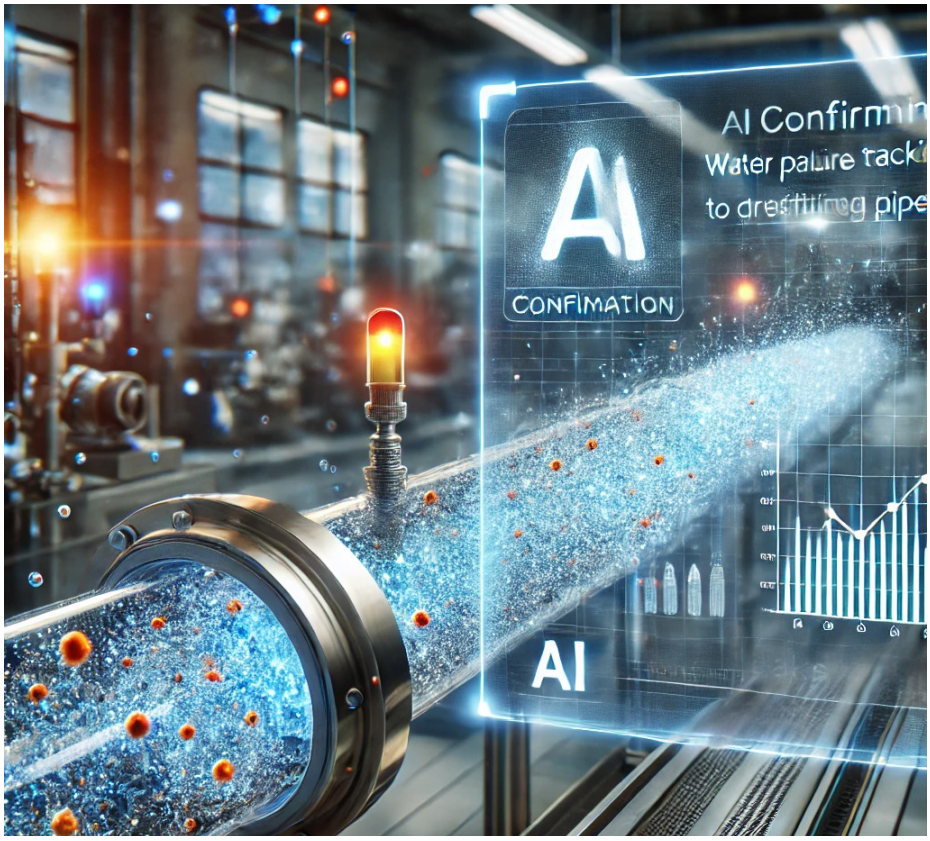
electro scan

AI-Based Water Pipeline CCTV & Leak Detection

Precision Leak Location & Measurement for Water Transmission & Distribution Mains

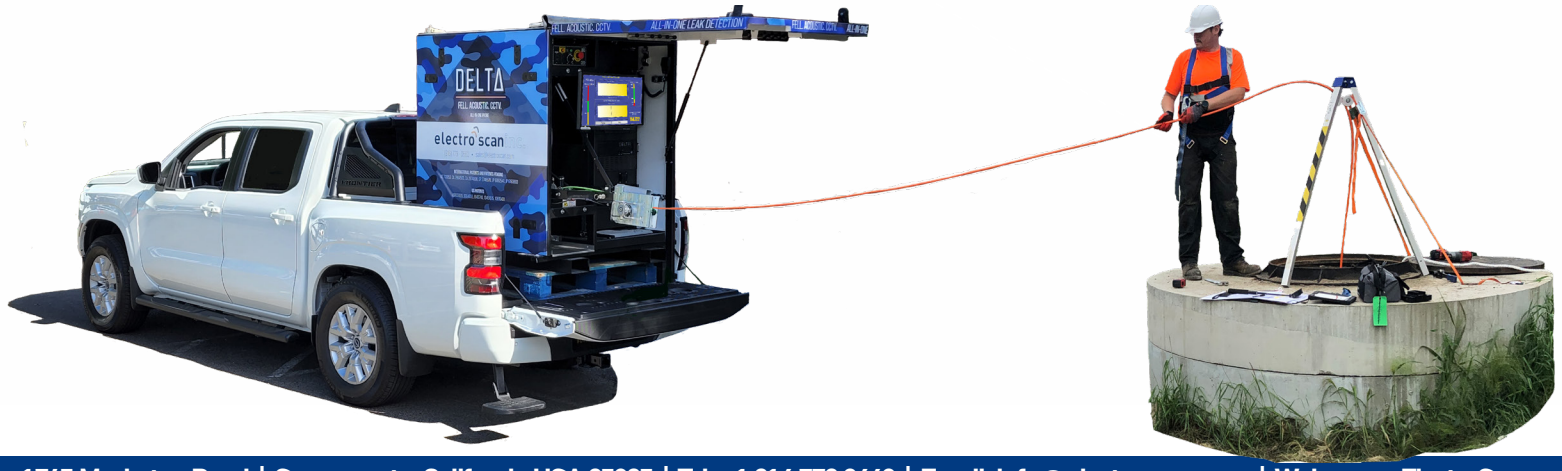


DELTA

Multi-Sensor AI-Based Leak Detection

- **DELTA** is a non-acoustic, machine-intelligent solution that locates & measures multiple leaks in a single pipe.
- **DELTA** uses a low-voltage, high frequency electrical current to locate all leaks within 1cm (0.4in) locational accuracy.
- **DELTA** integrates electrical resistance testing (ERT), a high resolution closed-circuit television (CCTV) camera, and an acoustic sensor.

AI Solution Unaffected By Ambiant or Internal Pipe Noises, Air Pockets, Bedding, Customer Usage, Debris, Flow Velocity, Pipe Material, Pressure, Silt, or Temperature.



1745 Markston Road | Sacramento, California USA 95825 | Tel: +1 916.779.0660 | Email: info@electroscan.com | Web: www.ElectroScan.com

U.S. Patents: 9143740, 9304055, 9933329, 10451515, 10557772, 10816431, 12105040

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AI-Based Water Pipeline CCTV & Leak Detection

DELTA

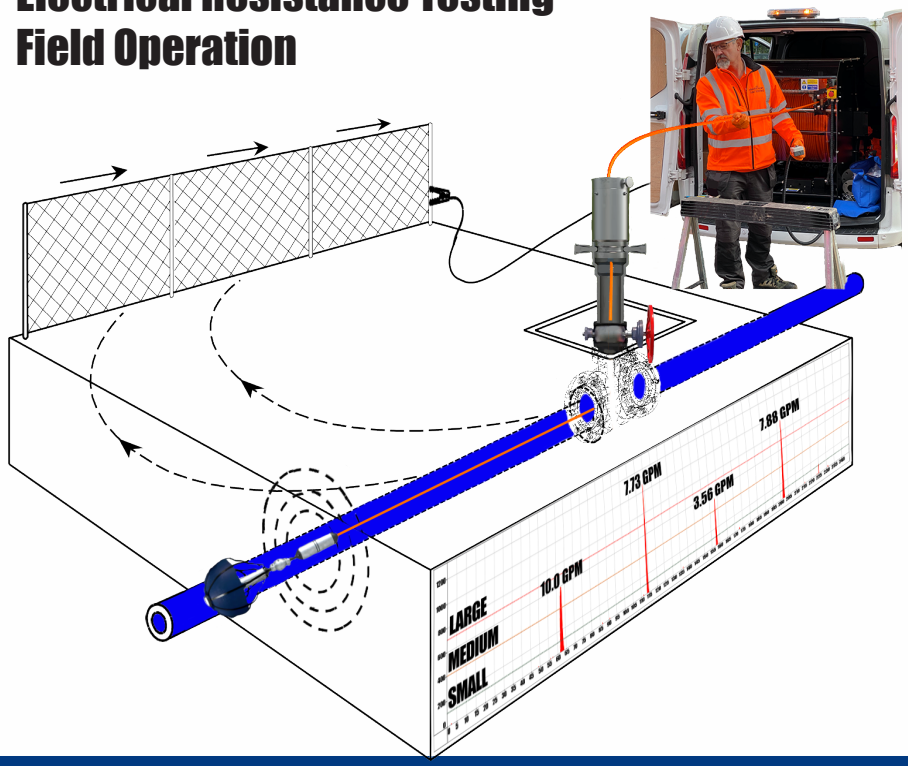
Multi-Sensor Leak Detection

AI-PARTICLE TRACING

Confirm Leak Location(s) to the Pipe's Clock Position by Pausing Camera at Electro Scan Identified Defect Location and Using AI.

Condition	Performance
Features	Low Voltage Conductivity FELL, CCTV, Acoustic Hydrophone, Pressure Sensor
Pipe Diameters	8-60 inches (200-1500mm)
Pressure	ZERO to 12 bar (175 psi)
Temperatures	41-86° F / 5-30° C
Common Launch Points	Installed 4 inch (100mm) or larger hot tap with a corresponding isolation gate or ball valve
Flow Rate	Min. Flow Rate for Hydrochute Propulsion is 0.3m/sec Pull-Through able to handle NO FLOW conditions.
Pricing	Per Day or Per Meter Based on Project Size, Access Difficulty, Insertion Points, Diameters, and Traffic Control
Pipe Lengths Per Survey	1km Recommended for CCTV. Up to 2km with specialized equipment.
Average Production	1-2 Pipe Sections per Day

Electrical Resistance Testing Field Operation



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