electro scan

TRIDENT

Water Main CCTV and Leak Detection

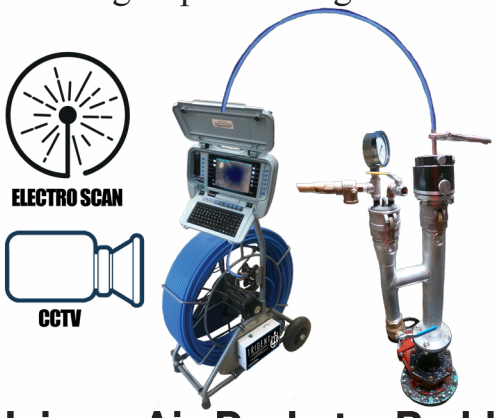
World's First AI Leak Detection Solution for Non-Metallic Pressurized Water Mains

Including Cement-Mortar Lined & Ceramic Epoxy Lined Ductile Iron Pipe!

TRIDENT

Multi-Sensor AI-Based Leak Detection

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



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

AI-Based Water Main CCTV & Leak Detection

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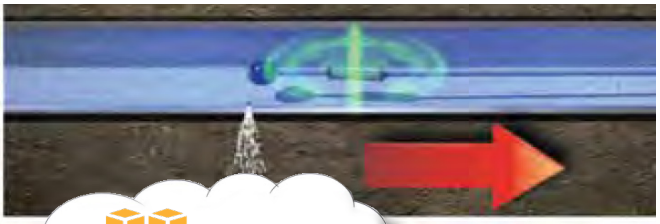
Dual-Sensor AI-Based Leak Detection

CONDUCTIVITY

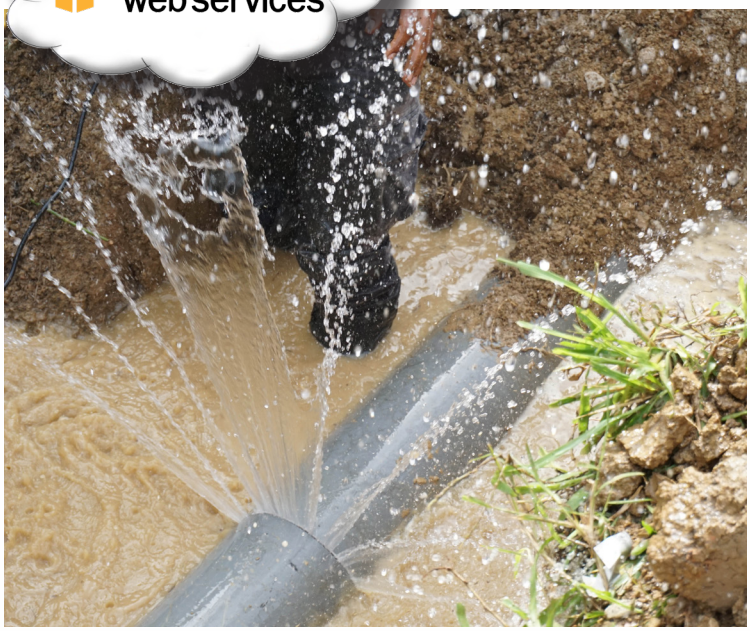
CCTV

AI-PARTICLE TRACING

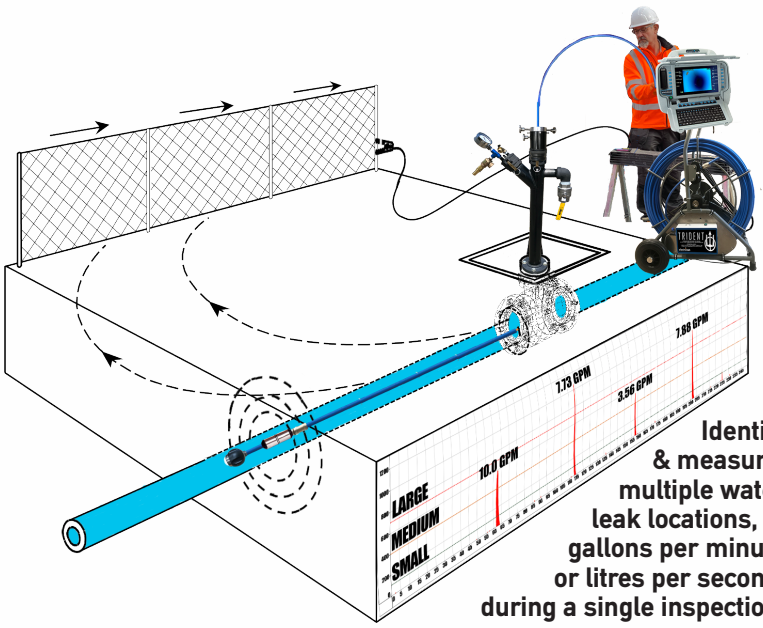
Confirm Leak Location(s) to the Pipe's Clock Position by Pausing Camera at Electro Scan Identified Defect Location and Using AI.



amazon web services



Condition	Performance
Probe Sensors	Low Voltage Conductivity FELL and CCTV
Pipe Diameters	4-10 inches (100-255mm)
Pressure	0 to 160 psi (11 bar)
Temperatures	5-30 °C, 41-86 °F
Flow Rate	Push Cable handles low flow or no-flow conditions
Pricing	Per Day or Per Meter based on total project size
Launch Points	-Installed 4 inch (100mm) or larger hot tap with a corresponding isolation gate or ball valve -Fire hydrant with a 4 inch (100mm) or larger barrel served by a corresponding isolation gate valve
Pipe Length Per Survey	Up to 400ft (120m) in either direction from access
Construction	High impact ABS & powder-coated, zinc-plated mild steel
Dimensions (Length x Width)	5 inches x 1.6 inches
Camera Features	Display: 10.1", 1280 x 800 HD color TFT Storage: Internal 128Gb, USB flash storage supported Power Options: Mains Input (100-240 VAC), DC Output (16 VDC) or Built-In Battery (4S2P) Focal Range: 10mm to ∞ Active Pixels: 768 x 492 (NTSC) / 765 x 582 (PAL) LED Luminance: ≥ 208 Lumens Resolution: ≥ 460 TVL



Identify & measure, multiple water leak locations, in gallons per minute or litres per second, during a single inspection.

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