

Electro Scan Inc. Welcomes Element 82 LLC As Its SWORDFISH Authorized Service Provider in the State of Florida

Element 82 to Offer SWORDFISH Services & Data Management to Help Complete EPA-Mandated Water Service Line Inventories, Including Lead Pipe Replacement

SACRAMENTO, CALIFORNIA, UNITED STATES, March 12, 2024 /EINPresswire.com/ -- [Electro Scan Inc.](#) announced today that [Element 82 LLC](#) has become a SWORDFISH Authorized Service Provider (ASP) in the State of Florida.



Element 82 LLC becomes an Authorized Service Provider of Electro Scan's SWORDFISH Lead Detection Solution.

Element 82 LLC, President, David Kinsella, has over 15 years of experience in the pressurize pipe rehabilitation sector. With an experienced team in place Element 82 will be leading Electro Scan's services projects in Florida, as well as other selected cities, nationwide.

“

We are delighted to begin offering water service line assessment services using SWORDFISH.”

*David Kinsella, President,
Element 82, LLC*

“We are proud to be working with such an experienced team of field operators,” stated Chuck Hansen, President, Electro Scan Inc. “American cities are under the gun to locate, assess, and verify water service lines, and certify utility-owned and private property-owned water lines as lead-free. And, Element 82, like their name implies, knows how to do it.”

Traditionally, drinking water suppliers and utilities were forced to dig up city streets and customer yards to uncover buried water services to determine whether lead lines carried water from municipal water mains to private homes.

Recently, the EPA acknowledged that pressurized excavations to uncover water service lines

often causes significant internal pipe disturbances that may inadvertently release lead (Pb) particulates into domestic drinking water.


When contractors use hydro-excavation or potholing to remove ground cover at 3,000 to 5,000 pounds per square inch (psi), bio-films, coated chemicals, lead solder from joints, and lead particulates can easily be removed from interior walls of a pipe and go directly into drinking water. Without requirements to flush the lines after excavation, homeowners may be 'at risk' if cities use this method without proper flushing.

Electro Scan's patented and patent-pending SWORDFISH allows a simple probe to enter typical water service lines at a meter, valve or other opening to assess water pipes, without digging.

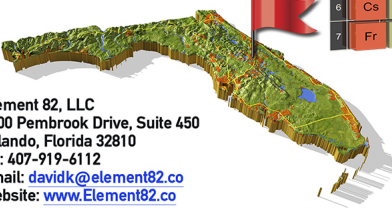
Capable of operating in either direction from a meter, i.e. under pressure from meter box to the main or without pressure from meter box to the house, to automatically analyze the pipe material.

"We are delighted to begin offering water service line assessment services using SWORDFISH," stated David Kinsella, President, Element 82, LLC. "The innovative technology, ease of operation, and precision of SWORDFISH, were overwhelming factors in our decision to work with the Electro Scan team."

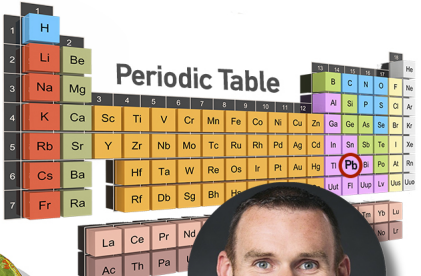
The Electro Scan SWORDFISH pioneered the commercial use of electrical resistance testing to



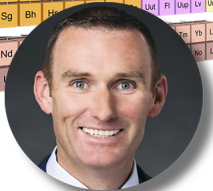
Electro Scan SWORDFISH
Authorized Service Provider



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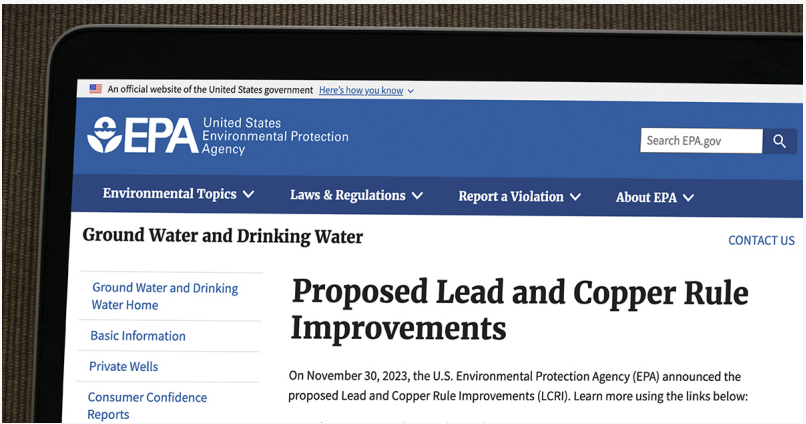


Periodic Table




David Kinsella, President

Element 82 LLC borrows its name from the Periodic Table where Lead is displayed as a chemical element with symbol Pb and atomic number 82.




The EPA has proposed escalated requirements for the 50,000+ U.S. water utilities in its Lead and Copper Rule Improvements (LCRI).



HOME SWORDFISH Phone: 407-919-6112

Lead Service Line Investigation
Electro Scan SWORDFISH Technology

- The hand-held tool is launched from the meter. Using an auto-feed cable and low-voltage conductivity probe, SWORDFISH automatically identifies lead pipes.
- Readings are transmitted in real-time to Electro Scan's H2O cloud application, with results independently verified using 3M lead test kits for 100% verification of lead pipe.



Chlorination Chamber
Water Hydrant
Water Main
Meter Box
Unknown Water Service Material
Probe

#GetTheLeadOut

Leading the Water Industry in Unknown Service Material Investigation

Non-destructive and non-invasive technologies to identify lead and galvanized water services.

SWORDFISH TECHNOLOGY

Element 82 LLC is dedicated to helping water utilities to assess and inventory water service lines, including the ability to replace lead water service lines.

identify copper, galvanized, plastic, and lead pipe materials.

Founded in 2011, Electro Scan first applied the technology to underground sewer pipes to locate leaks missed by high resolution television cameras unable to correctly assess whether joints were watertight.

In 2015, its technology was applied to pressurized drinking water pipes where acoustic sensors proved ineffective in locating leaks in plastic pipes and asbestos cement pipes.

During an inspection of a large diameter asbestos cement pipe, Electro Scan accidentally found lead in joints.

By measuring the change in electrical resistance as its probe travelled through a pipe, Electro Scan's ability to detect multiple pipe materials in accordance with the periodic table, allowed it to precisely locate element 82; lead.

ABOUT ELEMENT 82 LLC

Element 82 LLC is headquartered in Orlando, FL, where it offers a diversified service offering to help cities identify and reduce homeowner's expose to lead water services. In addition to offering Electro Scan SWORDFISH buried lead pipe detection services, the company is also capable of water service line replacement. Operating throughout the State of Florida, the Company is also partnering with Electro Scan Inc. to deliver services throughout the United States.

ABOUT ELECTRO SCAN INC.

Electro Scan Inc. is headquartered in Sacramento, CA, and is a leading international supplier of machine-intelligent pipeline assessment and quality assurance products and services for the water, sewer, and oil & gas markets. The company designs, develops, and markets proprietary equipment and delivers technical field services using its SaaS-based cloud application that automatically locates, measures, and reports leaks and water service line pipe materials, including lead pipes. The company's products and professional services detect buried lead water services on a house-by-house basis; typically not found by legacy inspection methods.

HASHTAGS

#acousticsensors #ai #amp8 #artificialintelligence #asce #askchuck #awwa #awwam77
#britishwater #californiadrought #chuckhansen #cipp #conditionassessment #conductivity
#deeplearning #drainage #drought #dwi #electromagnetic #electroscan #epa #esg

Electro Scan's SWORDFISH Solution Kit



BASE UNIT

PROBES

SURFACE LAPTOP

LEAD TEST

GROUNDING STAKE

INSERTION TUBE

LITHIUM BATTERY

WI-FI

amazon web services

CRITICAL H₂O CLOUD REPORTING

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Element 82 LLC has been trained in all aspects of operating, maintaining, and reporting field results of water service line surveys using SWORDFISH.

#esginvesting #fell #gettheleadout #gpm #infrastructure #innovyze #inspection #iot #lcri #lcr
#lcr #leak #leadpipe #leadetection #leaks #leakdetection #leakdetectionoftheyear2021 #lps
#m77 #machinelearning #megadrought #ml #nassco #pacp #pcat #piperepair
#pressuretransient #resilient #resiliency #satellite #sewer #sewerai #sustainability #swan
#swordfish #trenchless #trident #usepa #utilities #wastewater #water #waterai #wsaa
#worldbank #wsaa

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