

PERMANENT LEAK DETECTION
AND MONITORING SYSTEMS

PermaScan™



Detec™
ELECTRONIC LEAK DETECTION

PermaScan™

FOR A HIGHER STANDARD OF CARE 

If you understand the long-term value gained from a permanent Electronic Leak Detection (ELD) system, call us toll-free today at **855.75DETEC** (855.753.3832)

It Makes Good Business Sense to Install an ELD System That Keeps Watch Long After the Initial Membrane Installation.

A Detec PermaScan™ system provides you with peace of mind knowing that the most advanced leak detection technology is keeping watch over your membrane assembly. Detecting leaks is what we do. And we do it better than the decades-old

electric field vector mapping method. Specifying a PermaScan system ensures you benefit from the longest possible service life for your structure, minimizing risk and reducing maintenance costs over time.

Permanently Embedded, Automated Electronic Leak Detection (ELD) and Monitoring

- Configures for concrete, metal, or wood roof decks on inverted or conventional assemblies
- Provides timely detection to minimize leak damage
- Provides cost-effective sustainability through continuous membrane monitoring
- Diagnoses the membrane utilizing sensors embedded **below the overburden**, for accurate and reliable detection
- Ensures peace of mind and the longest lifespan for your roof, building or structure

SPECIFY THE RIGHT SOLUTION FOR YOUR ASSEMBLY:

PermaScan-I for Inverted Assemblies

PermaScan-C for Conventional Assemblies

Introducing TruGround™ Conductive Primer for Conventional Assemblies

TruGround is applied **directly under** the membrane on a conventional assembly, finally enabling a **truly conclusive and reliable** membrane integrity test for conventional roof assemblies.

Additionally, TruGround's closeness to the membrane, combined with PermaScan-C provides a level of locating and monitoring performance that vector mapping methods just can't match.



Because Closer Is Better.
Learn more at DetecSystems.com PATENTS PENDING



80% Of All Construction Defect Claims Are Water Related...
...And The Majority Of Those Claims Are From Events That Occured After The Integrity Test.
So Why Would You Risk Accepting An Inadequate Monitoring System Or Specifying None At All?

ALL SPECS ARE NOT CREATED EQUAL

Other methods do not always satisfy ELD spec requirements. Get to know the performance differences and cost advantages provided by the superior technology of a PermaScan™ ELD system.



Electric Field Vector Mapping



✓
**BEST CHOICE
FOR GREEN ROOF
APPLICATIONS**

PermaScan™ Systems by Detec

Vector Map Testing

Months or years of damage can occur before vector map testing identifies a problem. Return visit costs and subsequent repair costs will quickly add up to make this method less cost-effective over the life of the structure.

Extensive Roof Walk Is Always Necessary

This method relies on triangulating over a large isolation area, so unnecessary disruption of the overburden occurs from walking the entire roof and walking over the same areas several times.

Diagnosis Only Possible From Above the Overburden

Triangulating must occur from above the overburden to locate a leak. Depth of overburden, large isolation area and possible dry areas can cause inconclusive results.



Large Isolation Area

This method uses relatively much larger isolation areas, so it's a bit like trying to find a needle in a haystack. Time-consuming and more difficult to locate a breach, particularly when multiple breaches are present.

VS. A Continuous Monitoring System ✓

PermaScan provides immediate identification of a membrane breach or moisture accumulation. Membrane-related repair costs are kept to a minimum for the life of the structure.

VS. Minimal Roof Walk, and Only if Necessary ✓

PermaScan allows the condition of the entire roof to be assessed without ever stepping foot on the overburden. When a breach is isolated, Detec goes straight to it. No unnecessary disruption of the overburden occurs.

VS. Diagnosis Occurs Below the Overburden ✓

PermaScan installs below the overburden either under or over the membrane depending on assembly type. Installing sensors close to the membrane ensures reliable and accurate results.



VS. Small Isolation Area ✓

PermaScan is designed to isolate membrane breaches and moisture accumulation to a defined area electronically, providing quick and accurate leak location.

✓ **We See A Better Way...To Test, Locate, Monitor and Protect.™**

Detec[™]
ELECTRONIC LEAK DETECTION

Many Membrane Applications. One Choice for Electronic Leak Detection.

Projects of all scale and scope throughout North America have specified Detec to ensure peace of mind and long service life for their membrane assemblies.

CIVIC

San Diego International Airport



ARCHIVAL/DATA STORAGE

Film Archive & Preservation Center
Santa Clarita, CA



GREEN/VEGETATED

Mayo Clinic Minneapolis



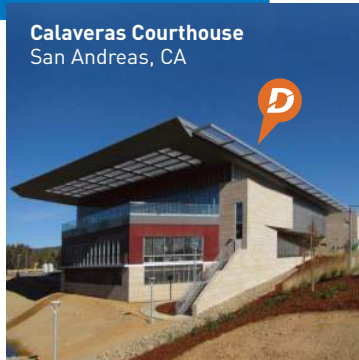
PLAZA DECKS/PARCADES

Olympic Cauldron Vancouver, BC



LEED TARGETED

Calaveras Courthouse
San Andreas, CA



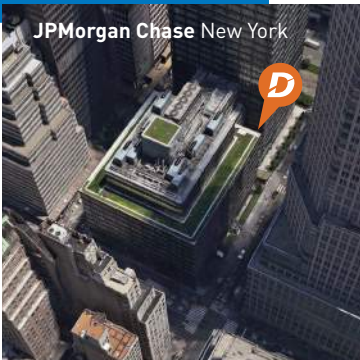
RETAIL

IKEA Richmond, BC



COMMERCIAL

JPMorgan Chase New York

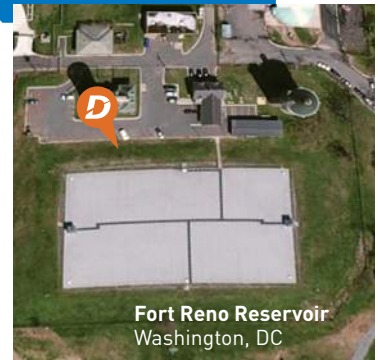


MIXED USE/LIVE-WORK

ON THE COVER:
City Creek Center in Salt Lake City is one of the nation's largest mixed-use downtown redevelopment projects, covering two full city blocks. Massive retractable skylights, residential towers, retail spaces, plazas, underground parking, multiple water features and a goal of Leed accreditation meant Detec was the right solution for this project.

RESERVOIRS

Fort Reno Reservoir
Washington, DC



The Smartest Leak Detection Solutions
Are All Under One Roof.™



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ELECTRONIC LEAK DETECTION

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Get the Spec → go to detecsystems.com