

HYDRO-SCAN™

Hydro-Scan™ Technology for Total Property Assessments

SITE is now offering Hydro-Scan™ powered by Utilis, as an additional tool within their proprietary platform. Hydro-Scan™ is an innovative new offering giving SITE the ability to perform an instant moisture assessment of an entire property, from space! This patented technology is measuring soil moisture below ground, identifying areas with underlying moisture issues, and predicting where pavement will fail prematurely.

Partnering with Utilis, the world leader in satellite-based infrastructure assessment, this innovative technology uses L-band synthetic aperture radar (SAR) data taken from a satellite. The technical capabilities of SAR allow it to penetrate and measure soil moisture up to 10 feet below ground. Additionally, this specific sensor is highly sensitive to water, reflecting on underground water and transmitting back the key properties necessary to report and mitigate issues before damage is done, thus saving significant time and money over the life of your pavement.

SITE has partnered with Utilis to expand the capabilities of the SITE platform by integrating the technology to retrieve soil moisture data from these satellites. This partnership brings clients a full property analysis that now includes underground water location services. Soil moisture data allows SITE to predict where pavement will fail and prepare for base improvements prior to construction or repair.

How it works

1. Data Collection

Data is gathered using high resolution images and Hydro-Scan™ satellite mapping to capture all aspects of a property.

2. Uploading & Mapping

Hydro-Scan™, high resolution photos, thermal, and sensor data is uploaded & compiled into a single property view on the SITE platform.

3. Expert & AI scoping

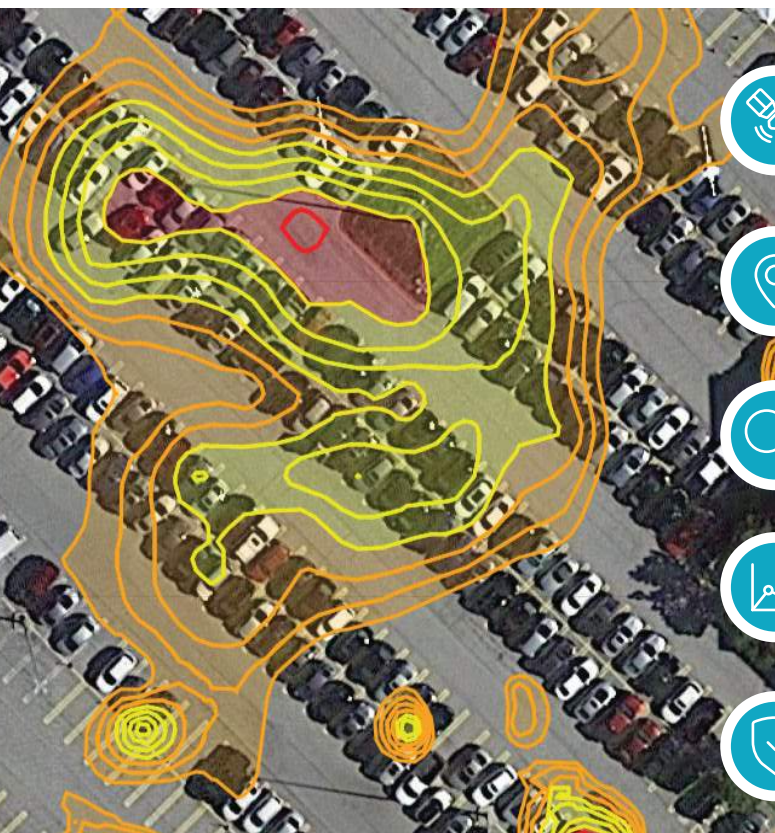
Experts & artificial learning provide in-depth analytics on the compiled data, including moisture detection up to 10 feet below ground.

4. Visuals & Reporting

Each assessed property generates a concise analysis of visual, moisture, and thermal information into a final engineering report.

5. Decision Making

Make the best possible decisions on maintaining your facilities within your budget.





TOTAL PROPERTY ASSESSMENT

Moisture Analysis

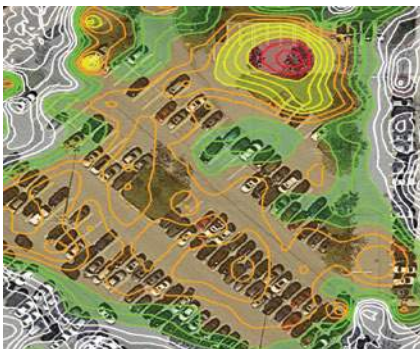
Concrete degradation due to moisture will cause preventable damage to your property. Hydro-Scan™ can identify and predict these points of failure before they occur.

Assessments in Context

Each identified area of concern is reviewed in context by a SITE expert and provided a Pavement Condition Index (PCI) assessment, giving property managers a powerful decision making platform.

Suggested Annual Repairs

Property Managers receive a list of suggested repairs per site based on the Hydro-Scan™ and provided PCI score, expediting the bid gathering process.



CONTACT US

625 West Adams Street, 19th Floor, Chicago, IL 60654
info@sitetechnologies.io • 312-796-6512

www.sitetechnologies.io

