



UTILITY LOCATING SYSTEMS

GETTING IT **RIGHT** MATTERS

Every jobsite is complex, and critical underground infrastructure could be anywhere. Overlooking even one buried utility can derail a project, create costly delays, and put years of hard-earned reputation at risk.

GSSI utility systems like the all-new **Compass NX** and **UtilityScan Pro** give professionals the visibility, accuracy, and confidence they need to understand underground conditions before excavation begins.



INTRODUCING COMPASS^{NX}

STOP COMPROMISING

Compass NX was built around a simple idea: Advanced GPR technology should be accessible to everyone.

Easy to mobilize and simple to use without compromising on exceptional performance and data quality, Compass NX reduces complexity, flattens the learning curve, and boosts users' confidence and efficiency in the field.

RAM® UNIVERSAL TABLET MOUNT

Bring your own device (tablet not included)

EASY FOLDING + LOCKING HANDLE

IP65 RATED CART + ANTENNA

FOOT-ACTIVATED BREAK

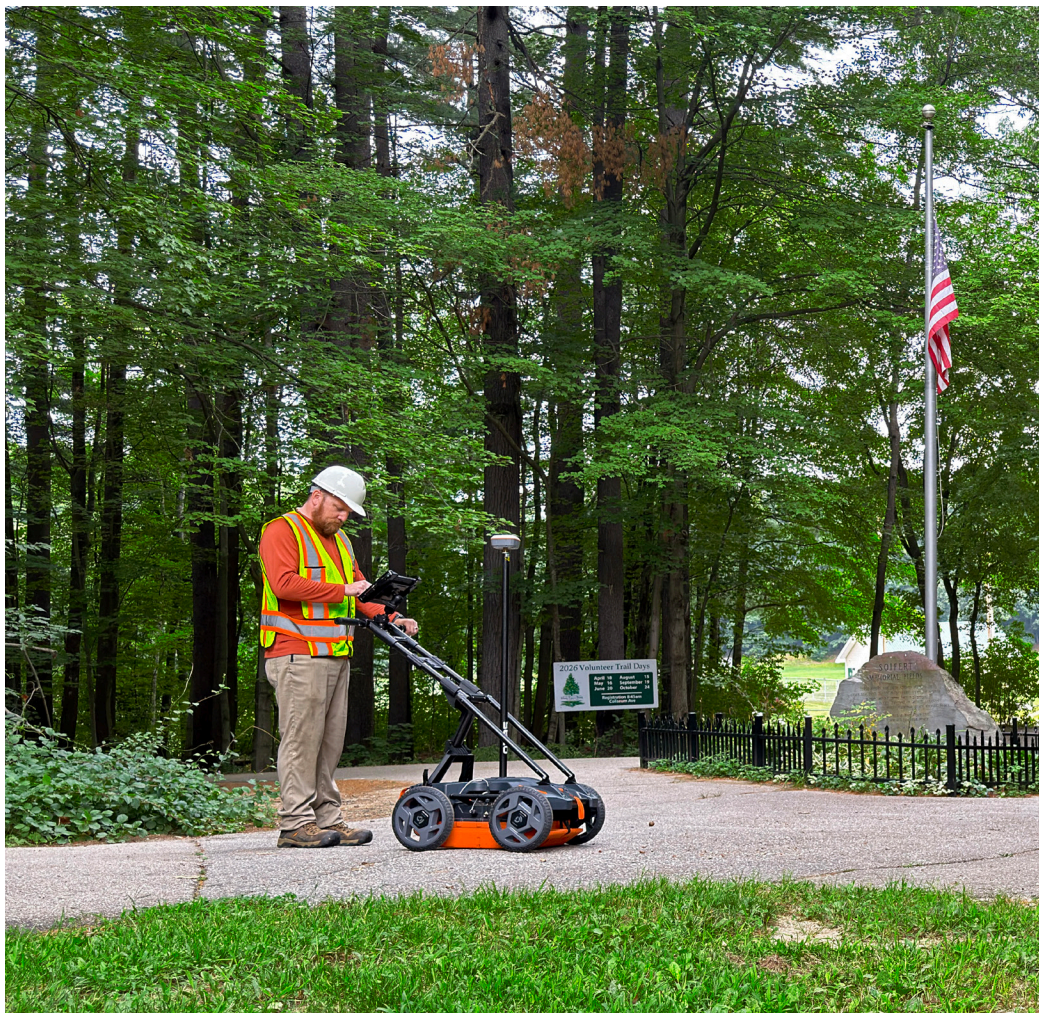
ENCODER WHEEL

GPS MOUNT

ANTENNA HEIGHT STRAPS

ALL NEW NX04/10 DUAL CHANNEL ANTENNA





READY FOR ANY JOBSITE

Compass NX is engineered to perform in extreme conditions and demanding environments without slowing you down. Its rugged construction and compact design make it equally effective on busy urban streets and remote off-road sites.

CONFIDENCE IN MINUTES

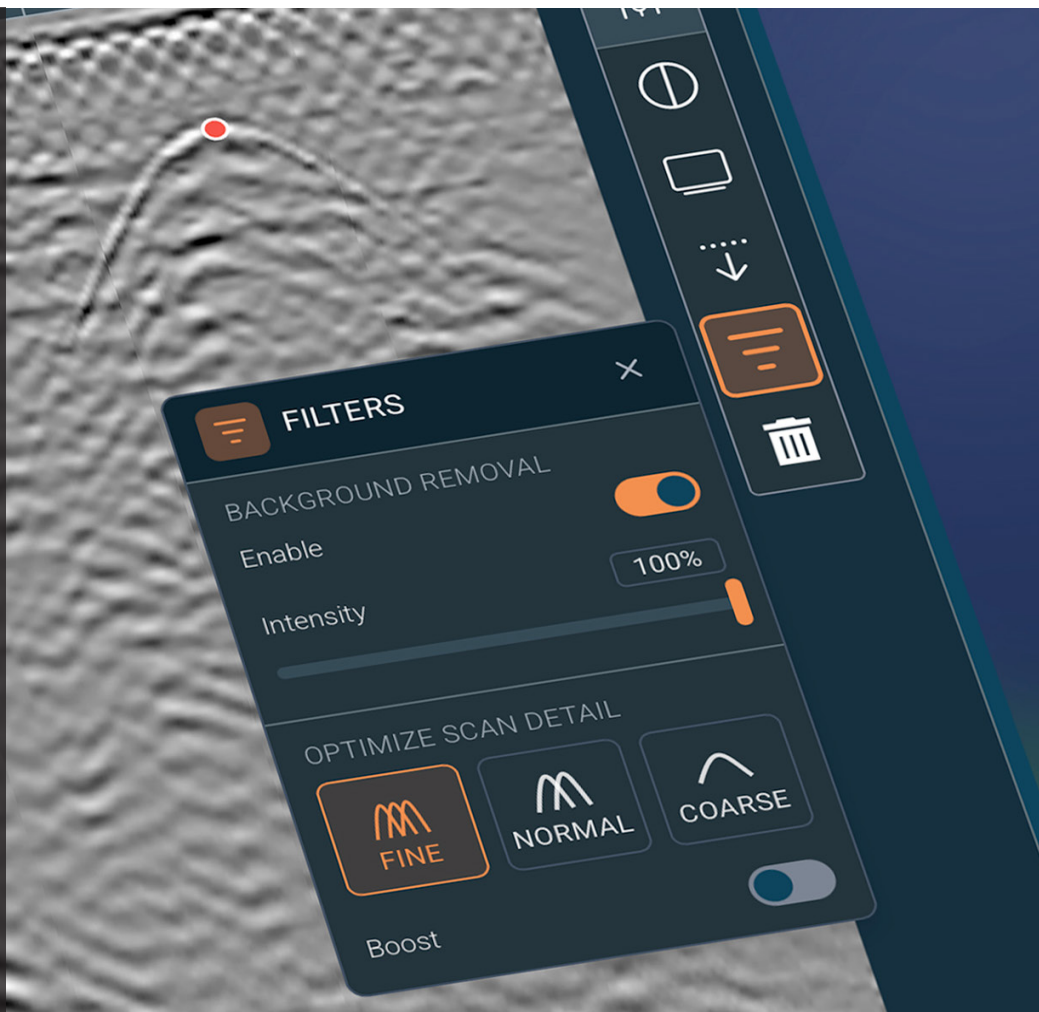
Easy to mobilize and simple to use without compromising on exceptional performance and data quality, Compass NX reduces complexity, flattens the learning curve, and boosts users' confidence and efficiency in the field.

SEE WHAT OTHERS MISS

With a dual-frequency antenna built on the latest technology and the next generation of GSSI's patented HyperStacking®, Compass NX reveals what others miss. Simple adjustments in the NX Control App let you tune your depth requirements and focus only on the data that matters.

BRING YOUR OWN DEVICE

No dedicated controller to purchase or subscription fees to maintain. Just a powerful GPR controller app on the devices you already own. Modern and intuitive, the NX Control™ app is included with Compass NX and can be downloaded onto multiple devices with no additional fees, giving you flexibility with no added expense.





You trust GSSI, the equipment we make and the results that you get from your system. In return, your customer trusts you and the results you deliver.

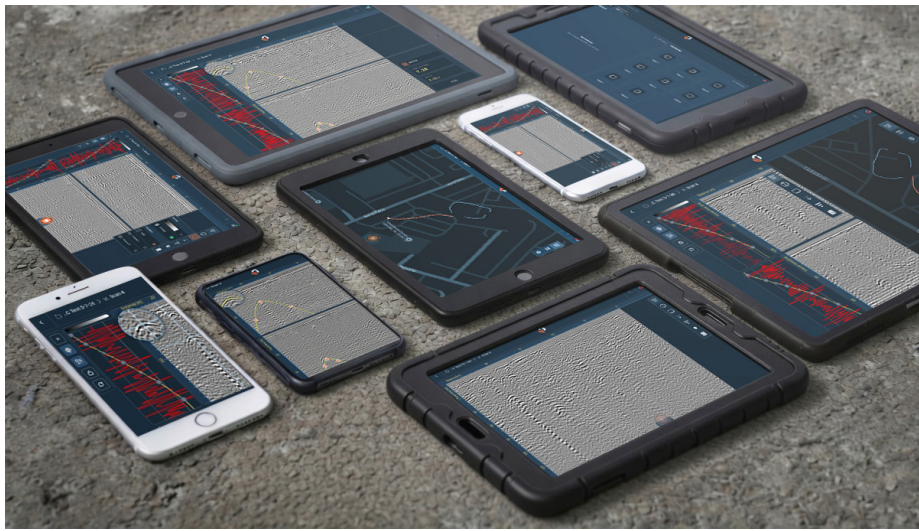
Every product we offer is built and tested with your jobsite environment in mind. Extreme heat, cold, dust and water are no match for Compass NX.

JOBSITE PROVEN

- **Rated IP65**
- **-20C to 55C (-4F to 131F)**
- **High capacity Lithium-ion batteries**

WE'VE GOT YOUR BACK

In addition to our industry-leading two year equipment warranty, our promise to you is to provide comprehensive training, unrivaled customer support and world class expertise.



BRING YOUR OWN DEVICE

ANY PHONE OR TABLET, IOS OR
ANDROID. NO SUBSCRIPTION.

NX CONTROL™ APP

Compass NX adapts to you. Use your iOS and Android device running the latest operating systems with the NX Control App and start locating.

Modern and intuitive, the NX Control app is included with Compass NX and can be downloaded on multiple devices with no subscription fee, giving you and your team flexibility without the added expense.



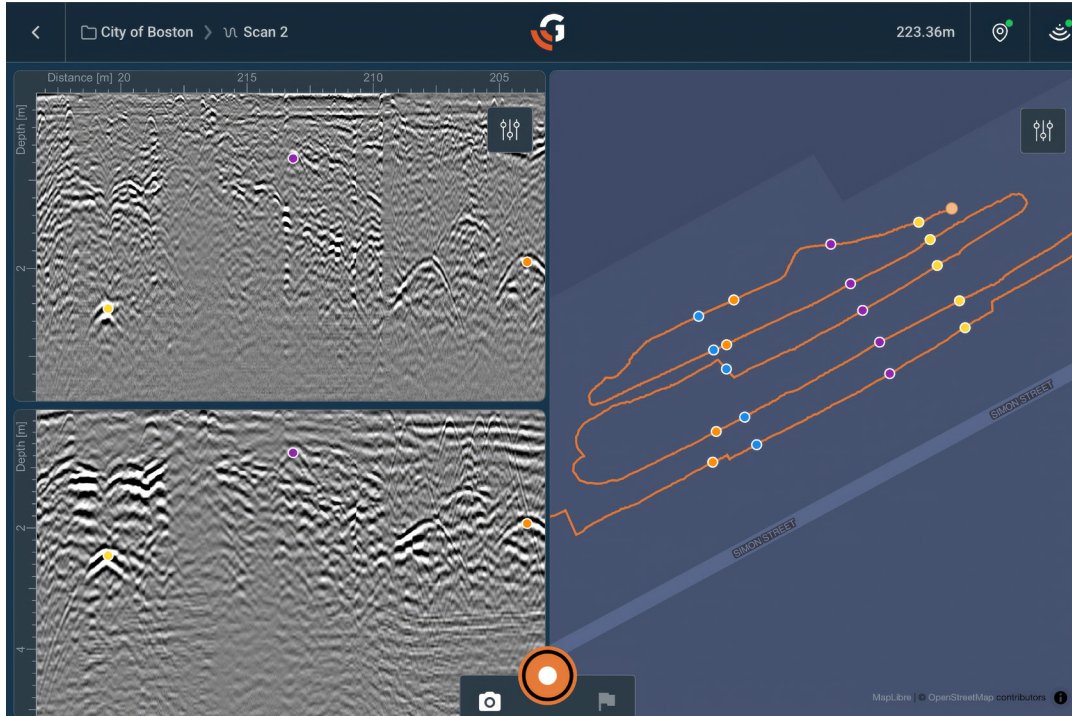
Apple App Store



Google Play Store



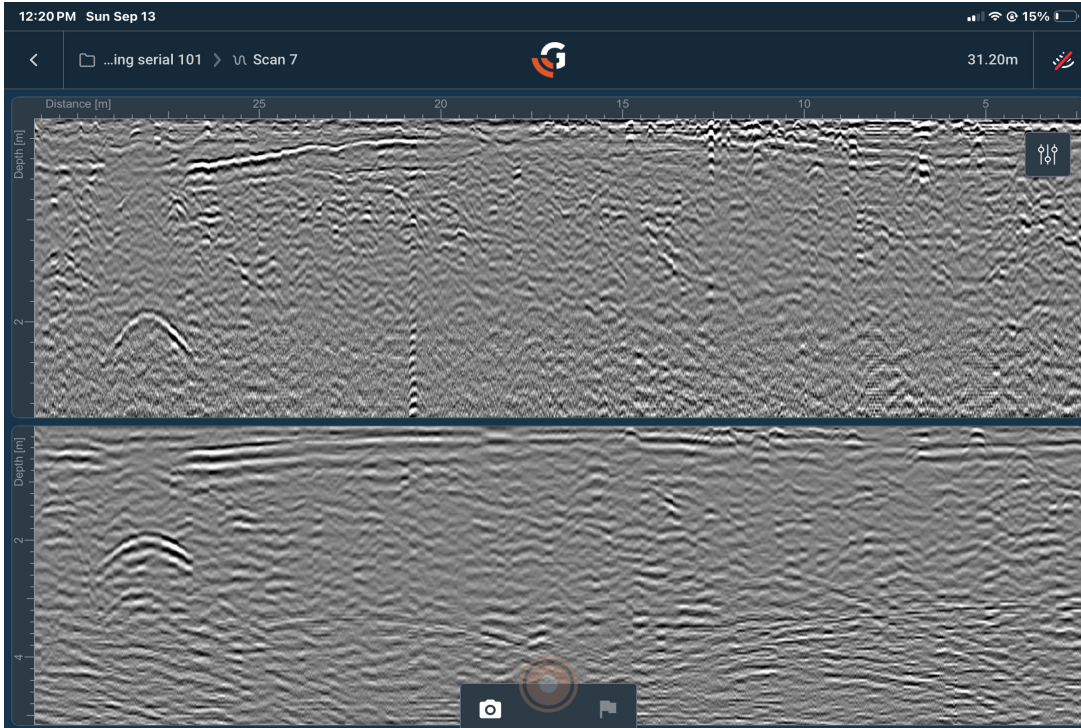
POWERFUL MAPPING



Integrated mapping and GPS connectivity, documentation, and export tools allow operators to capture, manage, and share utility data without interrupting field productivity or introducing costly office rework.

A screen capture of data from the NX Control app, collected by Compass NX, shows common buried utilities such as water, sewer, and electrical. Seeing both high- and low-frequency data provides clarity on targets to improve interpretation. The map view shows target marks with GPS positions that reveal clear patterns that are easy to communicate to end users.

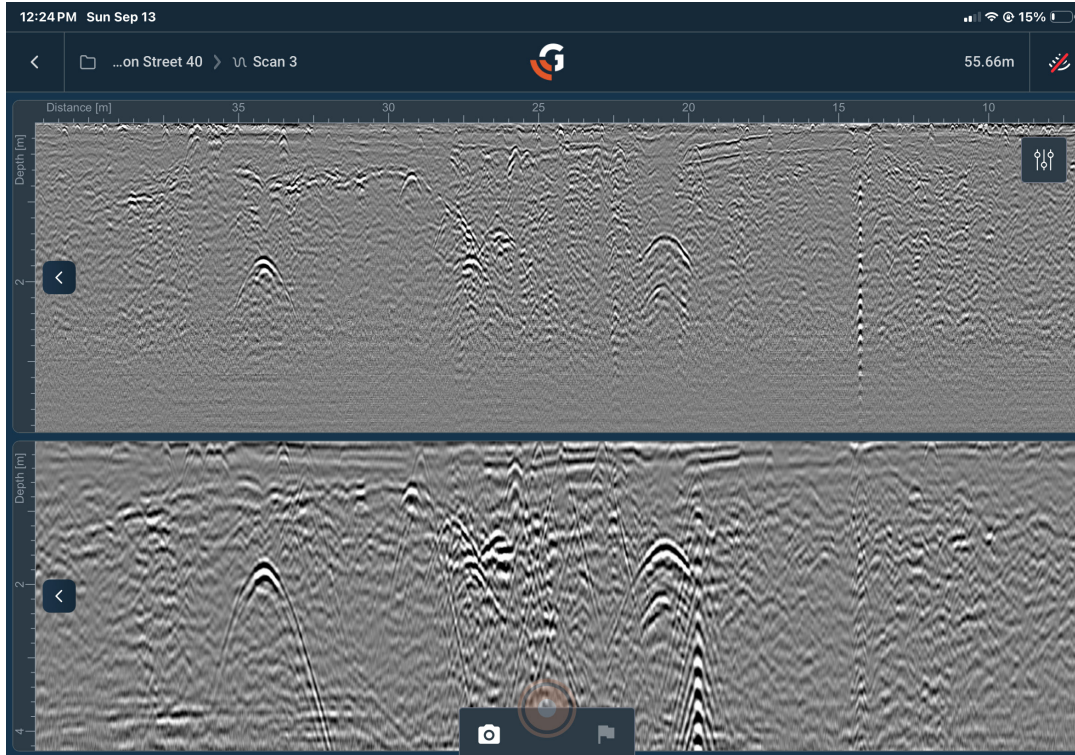
FIND WHAT'S HIDDEN



Sometimes you search for one target that your EM locator simply can't locate. Don't worry, Compass NX will find it.

With industry-leading depth penetration, and unrivaled data clarity, buried utilities can no longer hide in complex scanning conditions. In this image, the high frequency antenna data (top) reveals crisp contextual detail and a clearly defined pipe trench. The low frequency antenna data (bottom) shows that another utility line is buried deeper in the same area.

CLARITY AND CONTEXT



Most GPR systems show targets, but that is only half of the picture. Compass NX reveals critical details that could make or break a job outcome.

In the data, Compass NX reveals obvious targets buried in an industrial environment, and also reveals key features, like clearly defined cuts through soil layers, that lend confidence to your interpretation.

UTILITYSCAN^{PRO}

BEYOND UTILITY LOCATING

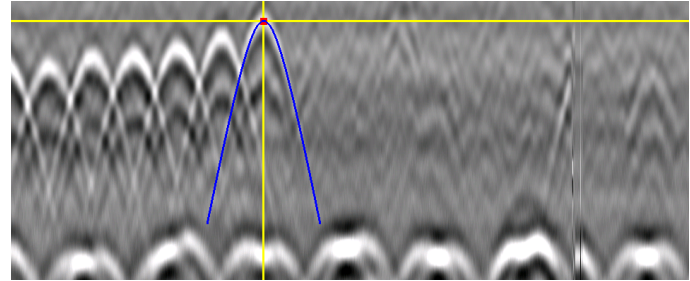
If your business takes you beyond utility locating, the fully-customizable UtilityScan Pro has antenna options that support multiple applications, like advanced concrete inspection or bridge inspection.

The SIR 4000 controller incorporates advanced display modes and filtering capabilities for in-the-field processing and imaging.

The LineTrac accessory for digital antennas adds the ability to detect AC power and induced RF energy present in buried utilities.

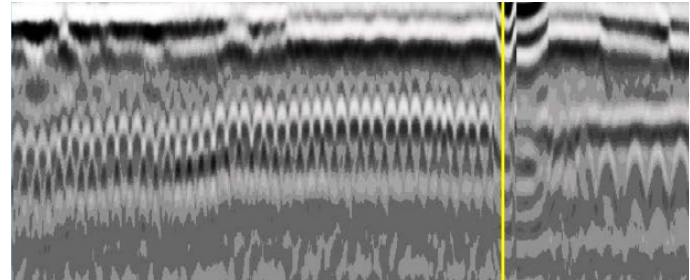


APPLICATION VERSATILITY



CONCRETE SCANNING

StructureScan mode for collecting very high-resolution 3D data over a concrete slab or wall.

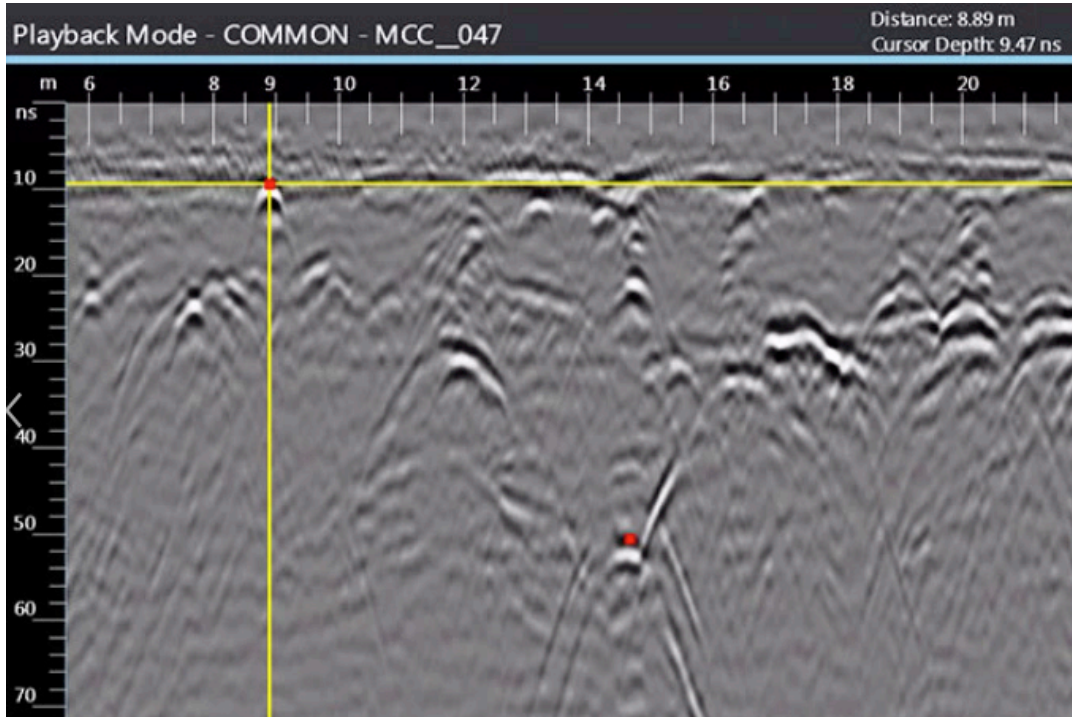


BRIDGE INSPECTION

Assess bridge decks, parking structures, and balconies with the SIR 4000, cart system, and BridgeScan software.

SIR 4000 DATA

350 HYPERSTACKING ANTENNA DATA EXAMPLE



Data illustrates various utilities and trenching efforts at a historic golf course. This data was collected with the UtilityScan Pro with 350 HS antenna.



Geolitix

POWERFUL, ACCURATE GPR DATA ANALYSIS

Geolitix was designed to simplify and automate nearly every step in GPR project workflows, from importing your field data to producing a final report. Geolitix is ideal for forward thinking organizations that value flexibility in data collection and expect a modern interface and streamlined data management.

**LEARN MORE ABOUT
GEOLITIX SOFTWARE**



IMPROVE EFFICIENCY

Handle large, complex datasets without an expensive high-performance computer. Complete advanced processing & 3D intensive tasks faster with intelligent automations.

POWER AND SIMPLICITY

Modern, user-friendly interface simplifies every step of the workflow from data import to final export. New users can become proficient quickly.

ROBUST MAPPING

Instantly overlay GPR interpretations on satellite imagery, site plans, etc. for more context & understanding.

DATA MANAGEMENT & COLLABORATION

Field crews can upload data directly from the job site. Project files are stored securely and are accessible by authorized team members and/or clients from any location.

These data were collected down the street from the GSSI facility with the objective of mapping utilities. Data were collected with a UtilityScan system using GS Software in combination with an EmlidReach GNSS receiver with NTRIP corrections.

Obvious utilities were interpreted in 3D space and classified based on in-field contextual clues. Interpretations can be exported in various formats, or a Public Link can be created to share the interactive 3D project directly with clients. This entire process, from field collection to a shareable 3D model, demonstrates a highly efficient workflow for modern utility locating and damage prevention.



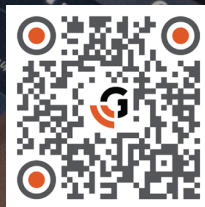


DELIVER RESULTS

You take pride in a job well done. Showcase your commitment to excellence and rise above the competition by delivering reports that are as high quality as your markouts.

GSSI Fusion is an easy-to-use reporting tool that delivers professional results directly from the field.

LEARN MORE ABOUT
FUSION SOFTWARE



PURPOSE-BUILT REPORTING

A dedicated platform with a modern interface for creating polished, professional-grade reports tailored to client needs.

FLEXIBLE & AFFORDABLE

Offers a free tier for single users and scalable pricing for teams, ensuring you pay only for what you need.

OPTIMIZE DATA MANAGEMENT

Seamlessly imports Nexus project data, supports legacy datasets, and provides tools to edit, reorganize, and describe results with ease, all while keeping your data safe and secure.

ON-SITE EFFICIENCY

Enables report creation and delivery directly from the field, saving time and ensuring timely communication with clients. Supports individual and team workflows, ensuring high-quality, visually impactful reports every time.

SOFTWARE FOR YOUR SPECIFIC NEEDS

Selecting the best software for your workflow is critical to project success. The chart below compares Fusion and Geolitix, highlighting key differences in performance, accessibility, and functionality. This guide will help you determine which platform best aligns with your team’s needs and goals.

	Geolitix	GSSI FUSION
Primary Role	Cloud-Powered Processing and Collaboration	Field Reporting
Ideal User	Professionals and teams seeking a flexible and powerful cloud-based solution for processing and managing small to large data sets.	Field technicians who need to create fast, professional reports on-site.
Core Functionality	Harnesses cloud computing to quickly apply advanced processes or handle very large datasets. Offers a full GPR data processing suite, 3D modeling, impactful visualizations, and advanced geospatial support for import and export of GIS files and basemaps.	Organizes uploaded project data, photos, and GPR screenshots into a polished and shareable report.
Data Compatibility	Manufacturer-agnostic. Processes data from GSSI and other major GPR manufacturers.	Imports GPR screenshots & project organization from GSSI systems. Cannot view or process GPR data.
Platform	Web-based (Cloud)	Web-based (Cloud)
Connectivity	Requires internet connection.	Requires internet connection.
Licensing Model	Subscription-based (SaaS) with tiered pricing options.	Subscription-based (SaaS) with tiered pricing options.

GSSI ACADEMY

5

PROFESSIONAL
TRAINERS

110
YEARS

COMBINED TEAM
EXPERIENCE

100+

CLASSES
YEARLY

5k
SQ. FT.

DEDICATED
TRAINING SPACE



TRAINING IS A **CRITICAL** PART OF WHAT WE DO



OUR APPROACH Serious professionals know that proper training on the equipment and in the application area is key to long-term success and the avoidance of costly claims. Our professional trainers provide exceptional instruction because you deserve the best.

OUR FACILITIES With more than 465 sq. m (5,000 sq. ft.) of dedicated training space at our HQ, in Nashua, NH and a training location in Nevada, our trainers hold more than 100 classes a year. Our HQ facilities include two classrooms, a specialized concrete forms room, and a first-in-the-industry 70.6 sq. m (760 sq. ft.) indoor utility pit. We bring real-world conditions into a safe learning environment.



WHY GSSI

Geophysical Survey Systems, Inc. (GSSI) is a leading manufacturer of ground penetrating radar (GPR) equipment, headquartered in Nashua, New Hampshire. Established in 1970, GSSI pioneered the development of commercial GPR systems. Over the past 56 years, GSSI has consistently led the industry with innovations, including the first digital GPR system and the first high-frequency GPR system specifically designed for concrete scanning.

GSSI's products are utilized worldwide across various sectors, including concrete inspection, utility locating, road and bridge evaluation, geophysics, archaeology, and environmental assessment. Our equipment is renowned for its accuracy, quality, and reliability, providing non-destructive solutions for subsurface exploration and infrastructure inspection.

With a commitment to innovation and customer support, GSSI continues to offer a broad range of GPR equipment, serving clients on all seven continents.



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