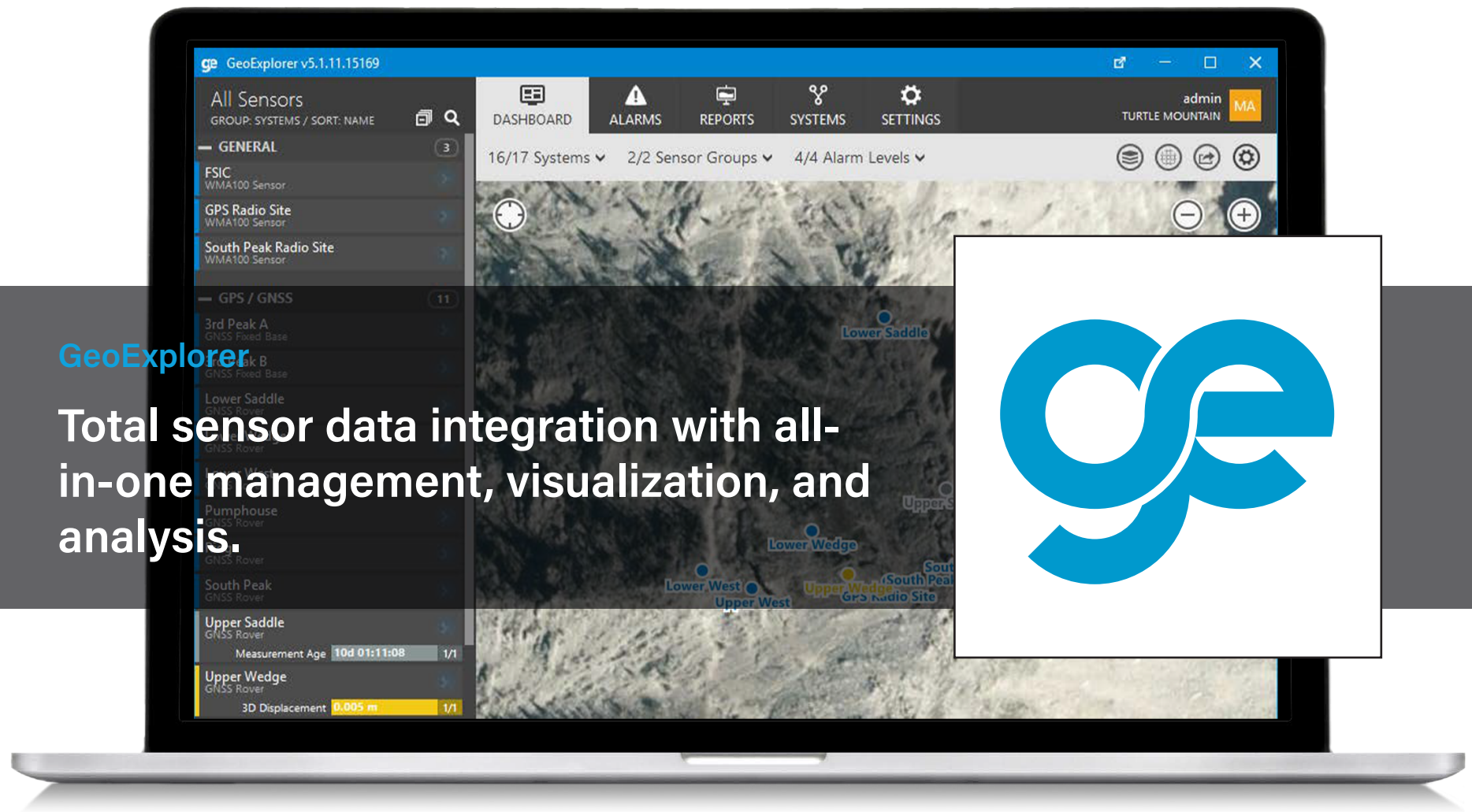


GeoExplorer

Total sensor data integration with all-in-one management, visualization, and analysis.



Manage data, sensors, and reports in a unified user interface

GeoExplorer by NavStar is the definitive all-in-one software solution crafted for comprehensive sensor data integration, management, visualization, and analysis. Designed to set the industry standard, GeoExplorer seamlessly handles data from diverse in-ground, IIoT, and geospatial monitoring systems, offering a unified, user-centric platform.

GeoExplorer transforms the way engineers manage and interpret measurement data by integrating a wide array of sensors and data types into a single streamlined system.

GeoExplorer's unique ability to correlate diverse datasets, such as ground displacement with pore pressure, offers a holistic view of site conditions, optimizing resource utilization and project outcomes.

Geospatial Measurement



Automated
Satellite Imaging



Displacement



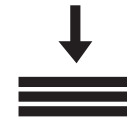
Lateral ground
displacement



Settlement



Tilt



Load stress
& pressure



Water
pressure/level



Vibration &
strong motion

Ground Instrumentation & Structural Instrumentation

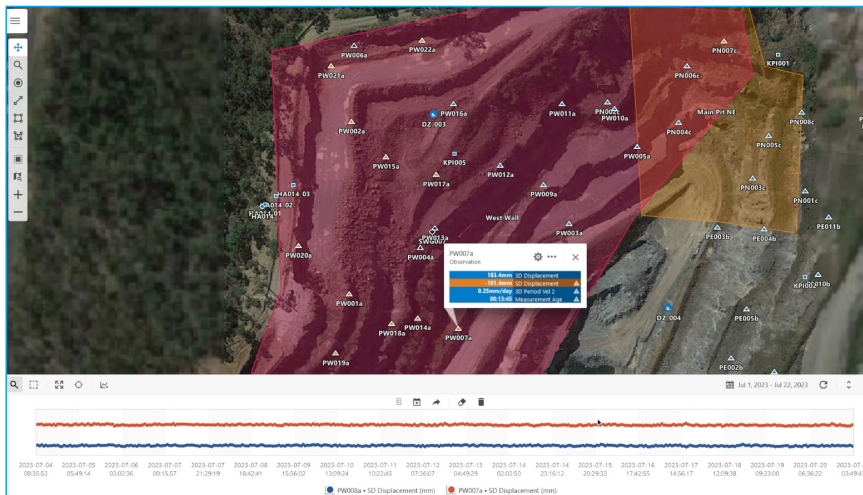


Difference Maps

The map offers a comprehensive view by analyzing months of data from specific sensors or regions. It processes this data, computes linear regressions, and presents the results in a user-friendly vector format.

Drag and Drop Reporting

GeoExplorer allows users to interact with data in the same way regardless of the technology used to collect it. This makes working with modern advanced technologies just as easy as the systems we have known for years.



Automated Reporting

In addition to the flexible reporting tools available, Reports can be setup to automatically distribute to a designated list of recipients at a desired interval, be it daily, weekly or monthly. This completes a fully autonomous reporting process to simplify workflows and ensure critical data is reaching the right people at the right time.

One system. Many sensors.



Monitoring technology integration

Supported by leading brands such as GroundProbe, RST Instruments, Measurand, 3vG, and Syscom Instruments, GeoExplorer's API effortlessly connects with other geospatial and geotechnical products, ensuring a versatile and powerful toolset for any project requirement.

GeoExplorer is designed to integrate with all the other monitoring products in the Geosolutions platform via API. Sensors and software from RST Instruments, Measurand, 3vG, Syscom Instruments, and NavStar can be connected and used together, creating more meaningful relationships between sensors and delivering even greater insights.

GeoExplorer integrates seamlessly with RSTAR Affinity, adding fleet management to its suite of features.

This integration ensures improved efficiency, robust auditing, secure communications, and scalability.

Comprehensive data-type management with consistent user experience.

Features

Total Station Control

Difference Maps

Alarming Functionality

Platform API Integration

Automated Reporting

Easy Set-Up

Benefits

Directly control and interact with Robotic Total Stations, eliminating the need for manufacturer-specific software and reducing costs and training time.

Unique ability to select and compare data from different sources and instruments including overlaying measurements and comparing InSAR data

Smart alarm triggering configuration and auditing all instruments and sensors. Automatic notifications via SMS or email recording events and alarm dismissals for auditing

Seamless integration. Allowing sensors and instruments communicate directly with GeoExplorer eliminating manual steps enabling near real-time data streaming

GeoExplorer allows you to embed logos, text and other relevant content. The interface offers tiles that allows users to incorporate day/time charts building customizable reporting templates. Reports can then be distributed/received automatically using the Automated Reporting feature.

Shipped with pre-configured settings, minimizing setup and installation time



Watch our
GeoExplorer
Overview video
to learn more



GroundProbe

rst
INSTRUMENTS

MEASURAND

3vGeomatics

SYSCOM
Instruments

NAVSTAR