

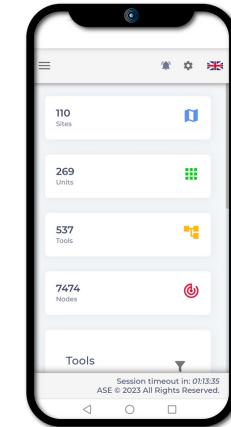
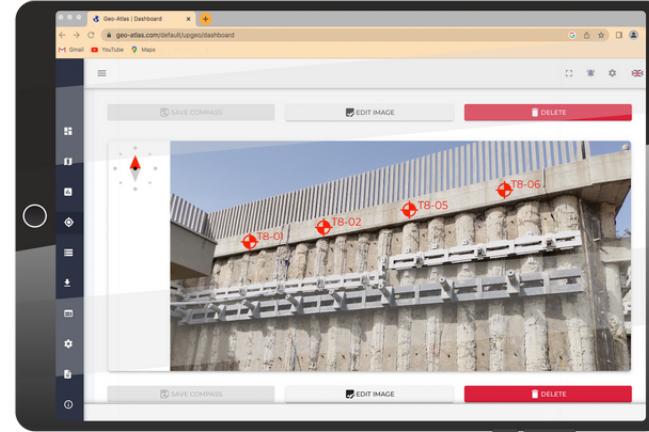


Geo-Atlas

THE SOLUTION FOR THE
MANAGEMENT, STORAGE AND
VISUALIZATION OF GEOTECHNICAL
AND STRUCTURAL MONITORING DATA

WWW.GEO-ATLAS.COM

WWW.ASELTD.EU



GEO-ATLAS

Geo-Atlas is a platform specially designed for the management, storage, processing and dynamic visualization of data from the main automatic monitoring systems.

The technology consists of the following components:

- The data storage system
- The Software, based on deep learning algorithms for processing and pre-validation of monitoring data
- The Web-based access controlled Platform for data visualization.

WHAT KIND OF SENSORS CAN IT MANAGE?

Geo-Atlas is designed to manage the main sensors used in structural, geotechnical and environmental monitoring such as:

Load cells, strain gauges, piezometers, automatic inclinometers, tilt meters, rain gauges, weather stations, pendulums, pressure cells, thermometers, extensometers, settlements gauges, crackmeters, distometers, dynamic accelerometers and many more.

WHAT IT CAN DO?

STORAGE

Secure your raw and processed data. The architecture of the storage system, based on redundant cloud servers located in different geographic areas, allows you to minimize accidental data loss.

ANALYSIS

Analyze and process your monitoring data as soon as it reaches the Cloud Server. Through special statistical and deep learning algorithms, it is possible to perform preliminary data validation (spike elimination, instrumental noise reduction, automatic recognition of critical issues in sensors, etc.).

DATA REPRESENTATION

Represent measurement results through dynamic graphs, tables, GIS maps. Select a custom display period. Compare data from different sensor types. Import project documents or generate a custom report with a simple Click.

WWW.GEO-ATLAS.COM

ALL YOUR
MONITORING
DATA IN ONE
PLATFORM

DATA FROM
SENSORS



STORAGE

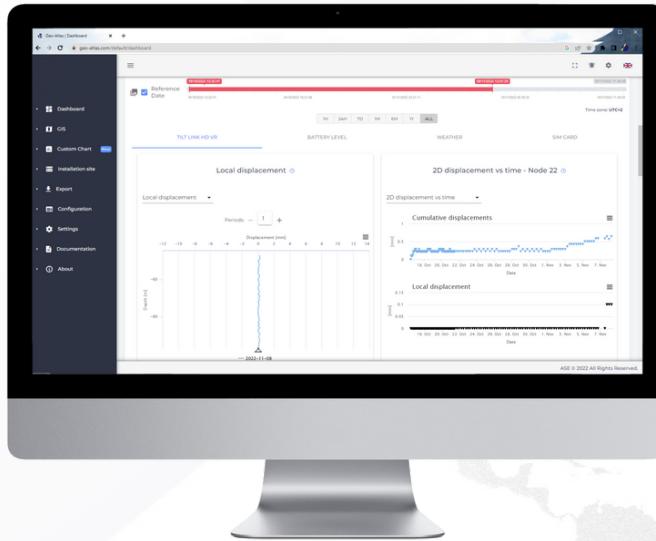


ANALYSIS



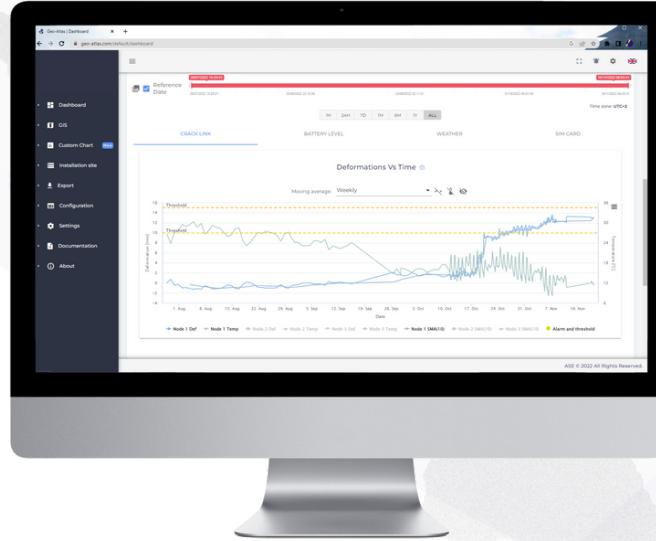
DATA REPRESENTATION





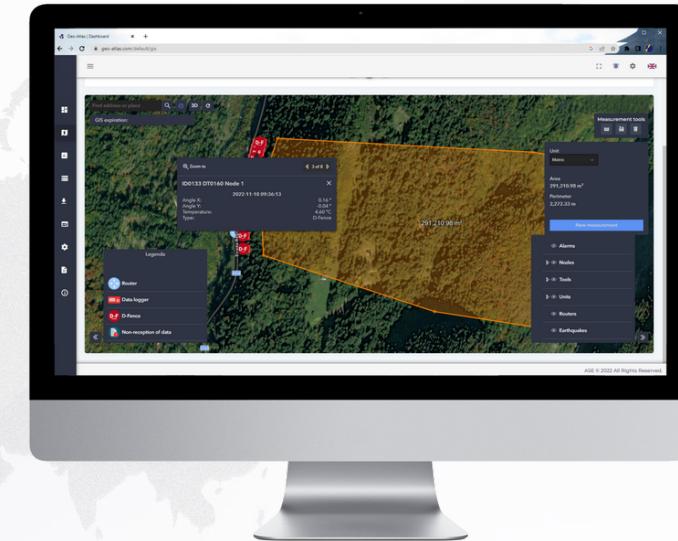
OBSERVE

CHECK YOUR
MONITORING DATA AT
ANY TIME WHEREVER YOU
ARE



ANALYSE

ANALYSE THE RESULTS
USING OUR
INNOVATIVE
INTEGRATED TOOLS

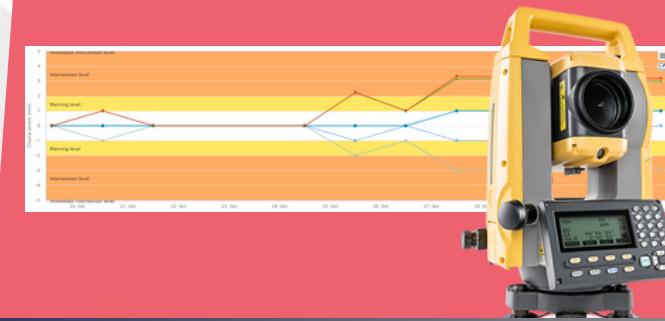


REPRESENT

REPRESENT YOUR DATA
IN GRAPHS, GIS MAPS
OR TABLE FORMAT AND
DOWNLOAD THEM

UPGEO PLUGIN

Don't just use Geo-Atlas for managing data from automatic systems. Through the UPGEO Plugin, you can also use the service to manage topographic data or any other manually collected instrument.



MANAGE

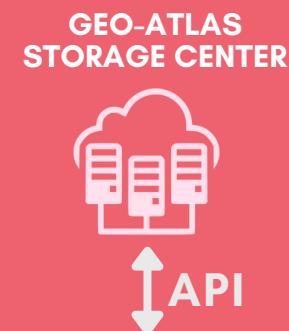
SET THRESHOLDS OR
CHANGE
DATALOGGER SAMPLING
RATE REMOTELY

ASSESS

COMPARE DATA FROM
DIFFERENT TYPES
OF SENSORS QUICKLY
AND EASILY

API GEO-ATLAS

You can use Geo-Atlas only for data representation or data processing and pre-validation. By using our API it is possible to connect your storage center or representation platform to Geo-Atlas services



GEO-ATLAS MAIN FEATURES

- Data representation via dynamic web platform with controlled access
- Interactive and interoperable graphs (ability to select points on a representation to observe its subsequent trend over time in a new representation)
- Accessible from any internet-connected device (PC, iMac, Tablet, iPad, Mobile)
- Automatic data storage, processing, pre-validation and representation
- Ability to modulate sensor representations by changing start and end dates
- Ability to represent different sensors and quantities in the same graph
- Data pre-validation with statistical, self and machine learning algorithms
- Backups to multiple servers in the cloud
- Automatic reports on a monthly basis or at user's choice
- Authentication according to different user levels and resulting permissions
- Georeferencing of monitoring tools and sensors
- GIS representation
- Ability to upload documentation
- Possibility of remote control of on-site monitoring units
- Ability to manage cameras, restart switches, traffic lights and sirens
- Notification section for alerts and alarms
- Alert in case of non-receipt of data in the previous 24 hours
- Alert in case of insufficient battery level
- Ability to upload topographical data (UPGEO Plugin)
- Ability to export monitoring data and graphs in most common formats
- Automatic alerting based on user-customizable multi-sensor and multi-level thresholds
- Ability to send an email/SMS or activate remote light/sound devices when a defined threshold is exceeded
- Multi-language site and possibility of integrating new languages
- Representation of major earthquakes recorded by global services
- Ability to upload photos
- Representation of both static and dynamic data
- Multiple daily backups





Date Range Bar

Easily change the date range of the data you want to display in the charts

Date range:



CONTACT US

TO REQUEST A DEMO OR INFORMATION

www.aseltd.eu

info@aseltd.eu / sales@aseltd.eu

+39 0521 1404292

Via R.Koch 53/A, 43123 Fraz. Pilastrello, Parma – Italy
VAT IT02687890349

Instead of using the upper date range bar you can easily click a button to change the range date

OUR MISSION

Develop and disseminate new technologies for monitoring natural phenomena and structures in order to deepen the knowledge of their dynamics, strengthen the theoretical basis for theoretical interpretation and make safer, cheaper and more functional design activities of civil and environmental works as well as Civil Protection procedures.

ASE © 2021 All Rights Reserved.



ase
ADVANCED SLOPE ENGINEERING