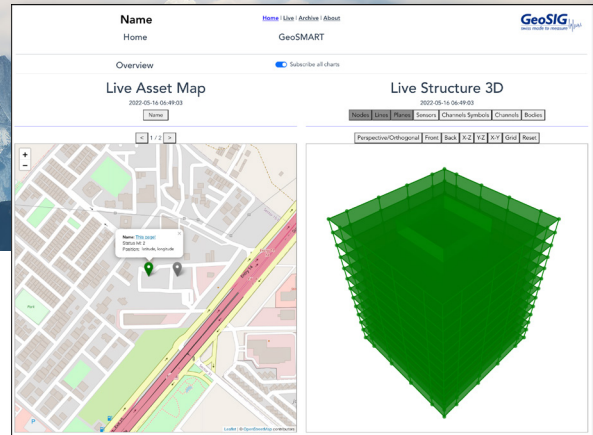


GeoSMART Software

Overview

GeoSMART is an innovative graphical application that provides tools for real-time structural health monitoring for civil engineering structures.



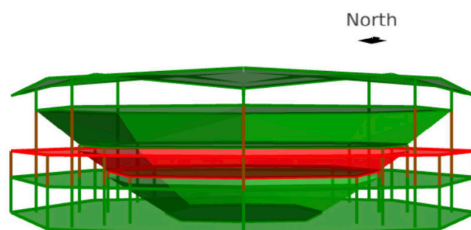
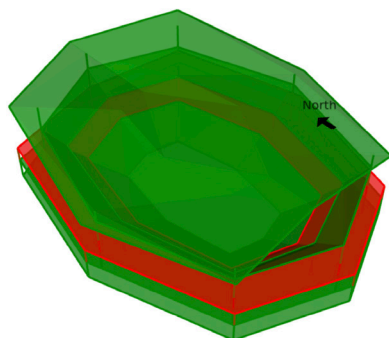
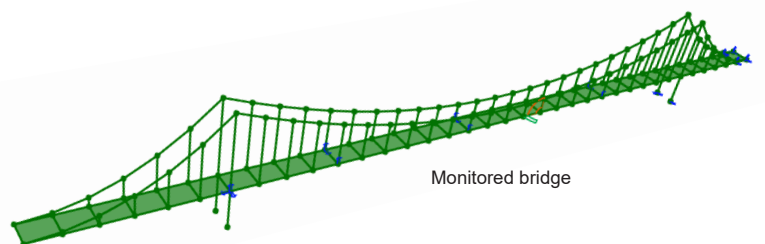
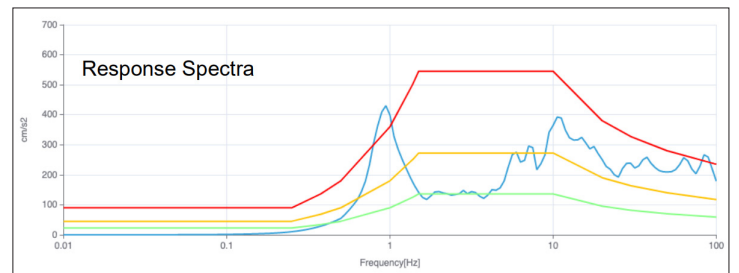
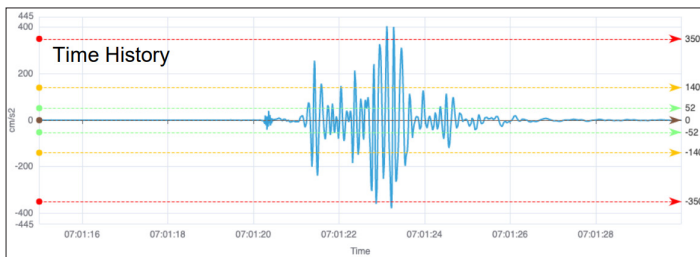
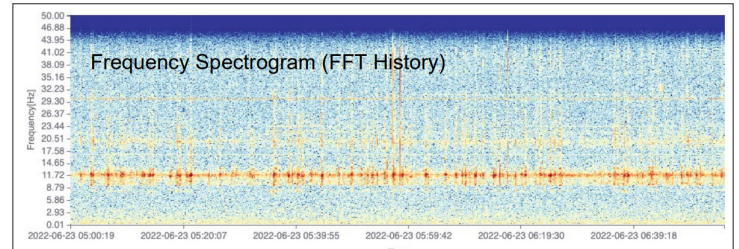
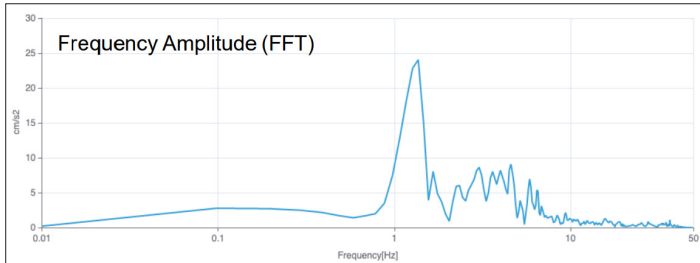
GeoSMART, with its “smart” features, can monitor and display the status of a structure that is instrumented with GeoSIG measuring instruments.

Key Features

- ▶ Support for any type of sensor such as acceleration, velocity, displacement, tilt, wind, temperature, strain, and many more
- ▶ User-friendly web-interface for an intuitive experience
- ▶ 3D representation of any structure with live status
- ▶ Interactive zoom, rotate, pan, visibility and projection
- ▶ Multiple structures on live interactive map
- ▶ Real-time continuous data acquisition and processing
- ▶ Storage and direct download of all data and graphics
- ▶ Data export for long-term storage
- ▶ Sliding window-based continuous frequency analyses: Amplitude, Spectrogram and Response Spectra
- ▶ Rigid body motions in translations and rotations
- ▶ Interpolations for non-instrumented areas
- ▶ Interstory drift ratios and torsion
- ▶ Exceedance of predefined threshold levels or curves
- ▶ Plot of archive data and statistical information
- ▶ Live screen indicators & HTML formatted emails
- ▶ Individualised notifications to users / user groups
- ▶ Customisable messages such as action plans
- ▶ Reports including actual images of plotted graphics
- ▶ Hardware relays to start/shutdown any process
- ▶ Advanced user accessible powerful database to fetch and externally manipulate the stored data

GeoSMART Software

GUI Examples



Monitored stadium

