



INTEGRATED  
GEOTECHNICAL  
SOLUTIONS, INC.



## ABOUT US

Integrated Geotechnical Solutions, Inc. (IGS) is a leading provider of monitoring systems, consultation and risk management solutions. With offices across North America, our services have been used in the construction, aggregate, subway, civil engineering, historic structures, mining and oil and gas exploration industries.

Since 2005, we have been delivering solutions that exceed our client's expectations. We unite with our clients to supply timely and innovatively designed solutions while emphasizing quality and cost. Contact us today to find out what we can do for you!

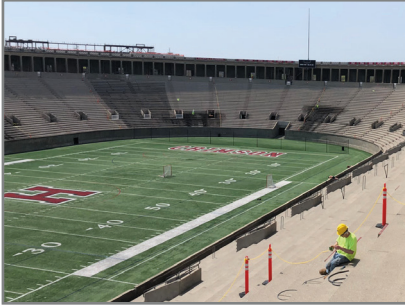
## AUTHORIZED DISTRIBUTORS



## SERVICES

- > On-Site & Remote Monitoring
- > Vibration Monitoring
- > Noise Monitoring
- > Geotechnical Monitoring
- > Dust Monitoring
- > Weather Monitoring
- > Settlement Monitoring
- > Automated Total Stations
- > Blast Design & Consultation Services
- > Seismic Monitoring
- > Site Risk Assessments
- > Pre- & Post-Condition Documentation
- > Public Relations & Expert Testimony
- > Water Well Analysis
- > Instrumentation Sales & Rentals





## Harvard Stadium

IGS assisted with the installation of a remote monitoring array of 5 vibration monitors, 25 wireless tilt meters, 75 wireless crack meters, 111 3D prisms, and 5 total stations to conduct a long-term study of the world's first massive reinforced concrete structure and first large permanent college sports arena.



## Essex Crossing

IGS conducted pre-/post-condition documentation and monitored 34 vibration systems in the adjacent subway tunnels, stations, and vent shafts during demolition, excavation, and construction of the 24-story, tower foundation. This megaproject is considered one of the most significant urban renewal developments in NYC.



## Magellan Pipeline

The quarry operator wanted to get 500,000 tons of rock within 200 feet of a high pressure transmission pipeline. IGS calculated a max pounds per delay to remain under the 2.0 in/s. With readings right on where we calculated, the blasting contractor was able to remove decks in the hole and add a row to future blasts.



## Midlothian Quarry

Hilltop Quarry was experiencing high PPV levels. After installing an advanced seismograph, IGS discovered that it was a timing issue. We made recommendations to the timing which reduced the PPV by 40% and they were able to remove one of the decks from each hole in the blast.



## Central Park Tower

IGS installed and monitored 20 vibration monitors in adjacent buildings and NYCTA subway tunnel for five years during excavation, blasting, and construction of this 88-story, mixed-use tower, what is to become the tallest residential building in the world and second tallest skyscraper in the United States when complete in 2020.



## Yukon 3D

Provided vibration monitoring of vibroseis trucks. IGS had 7 personnel on-site to ensure the customer stayed within the vibration criteria of 0.35 in/s. Readings, source points, location and distance data was collected digitally in the field and uploaded in real-time to a web-based data hosting platform.