



INTEGRATED  
GEOTECHNICAL  
SOLUTIONS, INC.



## CONSTRUCTION & CIVIL ENGINEERING

Integrated Geotechnical Solutions, Inc. (IGS) designs, installs and manages monitoring systems for construction and civil engineering projects. With offices throughout North America, we work with owners, contractors and engineering firms to assess requirements, document conditions and monitor construction activities. With real-time alarm systems we can reduce impacts to structures, preventing complaints and potential costly project delays.

- > The documentation services provided by IGS assist in the mediation and resolution of complaints and provides critical evidence in the event of litigation.
- > Monitoring of vibration and noise is required by many city, state, provincial and federal organizations during all phases of construction projects.
- > Our monitoring and consultation services reduce the impact to structures and occupants.
- > We ensure our personnel possess all certifications, training and background checks required to meet the safety and security compliance of any project.





## Vibration Monitoring

IGS works with your team to assess risks and make suggestions to limit the impact to local properties and their occupants. Our vibration monitoring services send real-time alarm and warning alerts to ensure compliance and provides documentation that aids in complaint resolution.



## Noise Monitoring

To protect the quality of life of it's citizens, cities and other government bodies have regulated the allowable noise limit for construction projects. With automated noise monitoring from IGS, you can receive text, email and/or visual alerts in real-time - so you can modify your noise levels.



## Dust Monitoring

Using scatter laser technology, our dust monitoring system provides a measure of dust levels, PM10, at programmable intervals with customizable reporting. Notifications can be sent via SMS message or email in real-time so site managers can implement dust control measures before the problem gets out of hand.



## Geotechnical Monitoring

From monitoring your shoring support system, slope stability, underpinning activities, to towers, tunneling and demolition, IGS has you covered. All of our equipment, such as liquid level sensors, tiltmeters, crackmeters, strain gauges and inclinometers can be monitored remotely.



## Automated Total Station

Soil, structures and tunnels can experience settlement from construction activities. An Automated Motorized Total Station (AMTS) is an unparalleled precision tool designed to measure 3D movement. By deploying an AMTS, IGS can remotely monitor and send alerts for even the slightest movement.



## Documentation

IGS conducts Pre- and Post-Condition Inspections to document the visible condition of structures prior to and after construction, whether it be blasting, pile driving, excavation, demolition or general construction. These inspections provide vital evidence of existing conditions in the event complaints or claims arise.

