

What we do

GEO-Instruments provides automated systems for monitoring the safety and stability of buildings, excavations, retaining walls, tunnels, railways, and bridges. We help owners, infrastructure operators, and construction engineers identify and mitigate risk, optimize designs and methods, and document regulatory compliance.

How we work

GEO-Instruments can partner with the design and construction team or work as an independent consultant. Our work is guided by our values: integrity, collaboration, excellence, and safety. We do what we say we will do, communicate responsibly, never cut corners and always work safely.

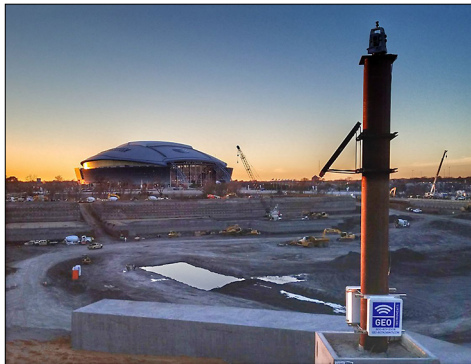
Who we are

Established in 2003, GEO-Instruments works at sites across the US. We have offices in Rhode Island, New York, DC, Illinois, Texas, California, and Washington. Internationally, we have offices in UK, Germany, and France. Geo-Instruments became a Keller company in 2017.



Innovative Solutions

GEO thrives on implementing innovative solutions for challenging projects. We have extensive experience in instrumentation and can deploy a wide range of both traditional and advanced sensing technologies.



Automated Monitoring

GEO specializes in automated monitoring. We deploy rugged, weatherproof systems, solar panels for power autonomy, and reliable wireless communications to transmit data to secure GeoCloud servers.



Quick Access to Data

GeoCloud checks for alarm conditions, sends alerts as needed, and then stores the data for quick access. Users visit a dedicated project website to check site status and customized data visualizations.



Settlement

GEO monitors bridge piers, roads, railways, tank foundations, utility vaults and more, providing early identification of unwanted trends and timely data for developing and evaluating corrective measures.



Structures

GEO monitors commercial properties, historical buildings, and other high-value structures providing data and alerts that help prevent damage from on-site and adjacent-site construction activities.



Support of Excavation

GEO monitors excavation support systems including perimeter walls, cross lot bracing, soldier piles and walers, excavation trestles and more, providing critical data for evaluating operations and managing risk.



Deformation

GEO monitors retaining walls, landslides, embankments, slopes, and tunnel linings to help engineers assess risk, prevent potential damage, and evaluate the effectiveness of remediation measures.



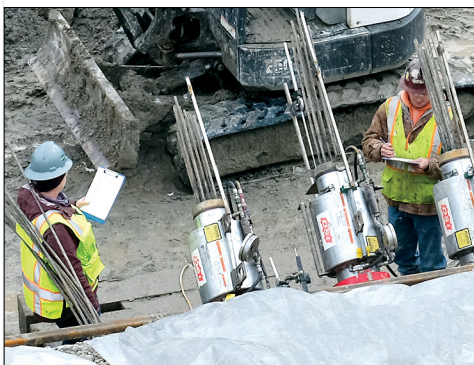
Infrastructure

GEO monitors metro tunnels, outfall sewers, seawalls, dams, railways, highways, and airports, helping owners, operators, and engineers mitigate risk, optimize designs, and minimize delays.



Vibration, Dust, Noise

GEO's automated vibration, dust, and noise level systems provide cost-effective monitoring for exceedances and assure regulatory agencies and neighbors that compliance measures are being taken.



Custom Solutions

GEO provides custom monitoring solutions for performance testing and construction control.



Field Services

GEO mobilizes quickly, and our experienced field crews install and commission systems correctly.



Rental Equipment

GEO maintains a large inventory of rental equipment and typically processes rental orders within 24 hours.