



Geotechnical instrumentation and monitoring

We provide a holistic geotechnical instrumentation and monitoring program – no matter the scale and complexity of your project.

Geotechnical instrumentation and monitoring are not only critical to the long-term success of your project, but to protect your reputation. You need to proactively mitigate near-term geotechnical risks and challenges, in particular to ensure the safety and performance of your construction, as well as the adjacent buildings and infrastructure.

Haley & Aldrich's geotechnical instrumentation consultants holistically design geotechnical instrumentation monitoring programs with an in-depth understanding and analysis of the work that will be performed. As designers, engineers, and technicians, we provide construction oversight, maintain automated instrumentation, collect instrumentation measurements, and provide interpretation. This comprehensive approach to geotechnical monitoring services allows us to not only rapidly evaluate data and determine potential issues, but quickly respond to issues that emerge – and ultimately solve problems as they develop in real time.

Your geotechnical instrumentation and monitoring system must be dependable and precise. We rely on our six decades of proven expertise in geotechnical engineering to offer an instrumentation and monitoring program you can trust. We also continually fine-tune the details of your program to ensure our instrumentation and monitoring solutions

meet the nuanced needs of your project – and your budget.

Talk to our service experts



[Brice Exley](#)

Principal



[Damian Siebert](#)

Service Leader, Geotechnical Engineering



[Jesse Siegel](#)

Program Manager, Geotechnical Engineering

Service highlights

- Building health monitoring
- Deep support of excavation and surrounding infrastructure monitoring
- Long-term infrastructure monitoring
- Surcharge loading settlement monitoring
- Vibration monitoring



Tapping into in-depth industry expertise to successfully manage instrumentation and monitoring

Although we know the importance of reliability and trusted geotechnical instrumentation services, the Haley & Aldrich team of geotechnical instrumentation engineers isn't afraid to push the boundaries and think outside the box. After all, that's how we gained our reputation as geotechnical engineering pioneers. We often trial new instrumentation technologies and adopt them for our clients' projects — once we're confident with their geotechnical monitoring performance.

We provide geotechnical instrumentation services to the following markets:

- [Aerospace](#)
- [Education, healthcare, and cultural institutions](#)
- [Energy](#)
- [Government infrastructure](#)
- [Industrial and manufacturing](#)
- [Mining](#)
- [Real estate developers](#)

Haley & Aldrich's geotechnical instrumentation services are grounded in our methods and expertise. From creating instrumentation programs that satisfy licensing requirements, to monitoring abutting properties and infrastructure for damage mitigation, we deploy solutions to protect you and the structural integrity of buildings and infrastructure surrounding your project. We welcome you to reach out to us to learn more.