

INSTRUMENTATION SERVICE

Learn more>>>

INSTRUMENTATION

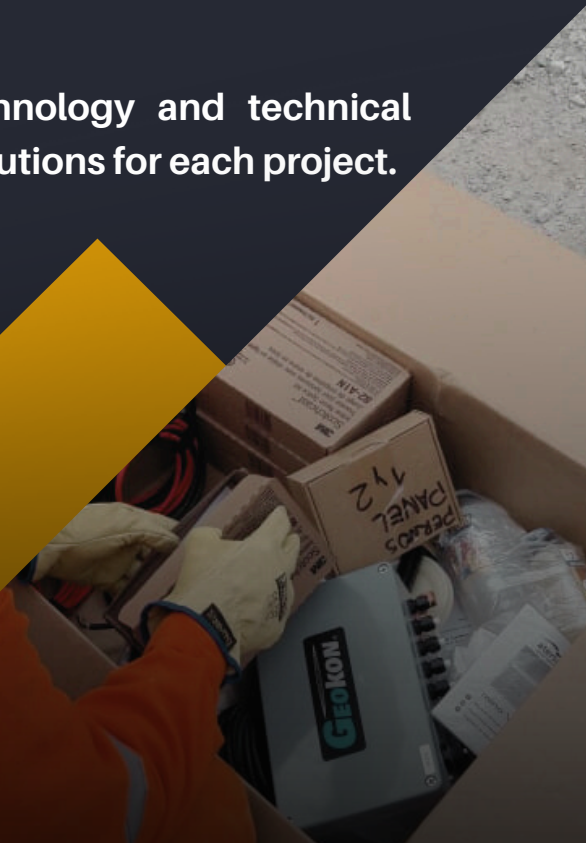
We offer comprehensive geotechnical, geomechanical, and geophysical instrumentation services, focused on the supply, installation, monitoring, interpretation, and maintenance of advanced equipment for mining, civil engineering, and environmental monitoring projects.

For geotechnical engineering, we work with instruments such as piezometers, inclinometers, settlement cells, and extensometers, essentials for evaluating and monitoring soil conditions and structures.

In the geophysical field, we use techniques such as seismic refraction and reflection, electrical soundings, and electrical tomography, which allow a detailed analysis of the subsoil.

In geomechanics, we control the geodynamic behavior of the rock mass and perform tests such as the “Pull test” to verify the quality of the support systems.

Our approach combines state-of-the-art technology and technical expertise, ensuring reliable and customized solutions for each project.



SERVICES

✓ Supply, Installation, Monitoring, Interpretation, and Maintenance of Geotechnical Instrumentation:

- * Vibrating wire piezometers.
- * Casagrande Piezometers.
- * Inclinator wells.
- * Settlement Cells.
- * Extensometers.
- * Inverted pendulum.
- * Accelerometers.

✓ Supply, Installation, Monitoring, Interpretation, and Maintenance of Geophysical Instrumentation:

- * Seismic Refraction and Reflection.
- * Surface Waves (MASW, Re.Mi, Vs30, MAAM, ESAC, etc.).
- * HVSr / Vibrations.
- * Downhole / Crosshole.
- * High-resolution vertical electrical sounding (SEV).
- * 2D-3D Vertical Electrical Tomography (TEV).
- * Magnetoteluric.



SERVICES

✓ Supply, Installation, Monitoring, Interpretation and Maintenance of Geomechanical Instrumentation:

- * Control of the geodynamic behavior of the rock mass in mining operations and subway and surface civil works.
- * Quality testing of support elements installed in subway mining works the "Pull test" to determine the anchorage capacity of the various types of rock bolts and cabling systems.



CONTACT US!



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