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Geophysical and Field Monitoring Pipeline Services

Pipeline projects can benefit in many ways from geophysical surveys and field-monitoring programmes. From a project's planning and layout stages through to construction and monitoring, geophysics can help pipeline engineers to find valuable answers to key questions regarding a site's subsurface conditions.

THE Applus+ SOLUTION

Applus+ RTD's geophysical teams use up-to-the-minute equipment and methodology to provide solutions for the pipeline industry. We have access to cutting-edge technology and skilled geophysicists to collect and analyse data of the highest quality. We are able to respond to requests from around the world.
Applus+ geophysical services offer the pipeline industry many advantages:

- Baseline geotechnical investigation data
- Support for ROW planning
- Non-destructive technology
- Proactive data analysis
- All data georeferenced using GPS
- Integration of data into existing data sets
- Remote monitoring of critical assets

Our highly trained teams have in-depth knowledge and many years' experience in this field and are able to develop geophysical solutions (from initial surveys to monitoring plans) that respond directly to our clients' needs. We support our clients through the entire project life cycle.

Target customers

Geophysics is of greatest benefit during the initial planning stages of a new pipeline.

Key services that can be performed include:

- Seismic site classification
- Rippability determination
- Geotechnical instrumentation
- Utility mapping
- GPS and GIS asset mapping and management

Using these services will increase the site owner/operator's knowledge of a site and provide critical information to inform the decision-making process.

Key customer benefits

The main benefit of performing geophysical studies and field monitoring within the pipeline industry is the positive impact these processes can have on a project's design and execution, which ultimately results in cost savings and reduced risk to the client. In addition, Applus+ RTD solutions are environmentally sensitive, tailored to a client's specific needs and carried out quickly.