



EPI Group

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Geotechnical Interpretive Reporting

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A Geotechnical Interpretive Report (GIR) is a critical document in engineering and construction projects. The report provides the vital link between the site investigation and factual laboratory data, with its primary purpose to analyse and interpret the geotechnical data and summarise the key engineering parameters to guide safe, efficient, and cost-effective design and construction.

The complex variability of soil means GIR reports need to be created with unique specifications for focused projects, by qualified and experienced personnel.

A GIR typically covers several key stages of work. First, an engineering-focused ground model is developed by defining soil units and stratigraphy using available soil data, supplemented by geophysical data integration. Once the ground model and soil units are established, unit-specific engineering parameters are analysed, with location-specific profiles derived for foundation design. A reliability framework categorizes these parameters into lower/upper bounds, with best estimates to ensure robust decision-making.

The Geotechnical Interpretive Report may include

- Objectives and Agreed Scope
- Location and Site History (Phase 1 Desk Study)
- Site and Regional Geology Description
- Geophysical and Geotechnical Investigation Locations, Methods and Results
 - Site Geology Interpretation and Geotechnical Model Development
 - Geotechnical Properties Summary Relevant to the Project
 - Ground Conditions Implications Interpretation for the Project
 - Potential Project Risks Assessment
- Summary and Recommendations



The EPI Group Service

At EPI we specialise in providing experienced Geotechnical services for both the Renewable and Oil and Gas sectors, globally. Reports offer valuable insights into subsurface ground engineering conditions, that are accurate, reliable and actionable, to enable the best outcomes for your projects.

EPI can conduct both QA/QC of the geotechnical survey and provide the GIR, resulting in both contracting efficiencies, and the optimum transfer of knowledge gained from one to the other.

EPI offers experienced in-house Geotechnical Engineers, who have project-managed and conducted Geotechnical Interpretive studies across the globe. They will oversee the projects and provide invaluable support and deep technical knowledge to both clients and representatives in the field.

The GIR itself will be executed by our carefully chosen expert Consultants. This allows us to leverage the correct skills and experience for each specific and unique project.

At EPI we support projects beyond reporting, through the lifecycle of delivery. We can leverage our experience gained during the project related QA/QC surveys before providing comprehensive, accurate GIR reports in an accelerated timeframe. We can then offer efficient, knowledgeable, and streamlined contracting for the further stages of project delivery.

Please get in touch to discuss your project needs, our expertise, and service.

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