

Geotechnics

RPS can determine and overcome the engineering implications of remediation design on development projects. Our chartered geotechnical engineers and engineering geologists are experienced in most aspects of both onshore and offshore geotechnical engineering.

We offer geotechnical engineering support at any stage of a project from the design of land or marine site investigations to detailed analysis of foundations, slopes stability analysis and earthworks assessments.

We carry out geotechnical work to assist, industrial and waste sectors and national road authorities, in addition to supporting the oil and gas and renewable energy sectors.

What we provide

- Integrated geophysical / geological / geotechnical desk studies including seabed mobility, scour potential, channel features, geotechnical zoning and interpretation of preliminary geotechnical parameters for conceptual designs
- Conceptual foundation designs
- Jack-up spud can footing penetration assessments
- Detailed scoping and specification of geotechnical site investigations (onshore and offshore)
- Geotechnical ITT preparation
- Contractor evaluation, contract negotiations and contractor selection
- Field quality control (client representation)
- Geotechnical interpretative reporting and parameter selection
- Detailed foundation designs for range of foundation types (driven or suction-installed foundation piles, gravity based structures, anchors, pipelines)
- Foundation construction management and supervision
- As-installed foundation performance evaluation
- Slope stability studies
- Cable and pipeline seabed burial feasibility assessments (trenching, jetting, ploughing)

