

Foundation Engineering and Geotechnical Engineering Consultancy

Horizon has a pool of experienced and degree qualified geologists and civil engineers available to assist clients with site investigation proposals, walkover and desk studies; supervise site operations and characterise soil and rock. Using state-of-the-art software and following industry standards, Horizon has provided services for:



Marine Geotechnics

Site characterisation, foundation assessments for pipeline, piled and gravity foundations, jack-up leg penetration analysis and punch-through assessments



Coastal Geotechnics

Site characterisation, foundation assessments for breakwaters, navigation channels, berthing facilities (including wharf, jetty, breasting dolphin) recommendations.



Dredging

- mechanical testing of soils and rocks
- rock petrology and mineral composition
- slurry viscosity (soil rheometry) measurements of soil and weathered rock
- feasibility assessments for channel construction, soil / rock removal and relocation of marine soil

Onshore Geotechnics

Monitoring and interpretation of various ground instrumentation (including piezometers, inclinometers and gas standpipes), onshore geophysical surveying, environmental remediation assessments, slope stabilisation, piled and gravity foundation assessments.

