



One of our specialities at Ground Investigation is difficult access sites. We have a wide range of rigs and capabilities and are able to access almost any site.

Our small lightweight rigs can access restricted sites or be easily craned or helicopter lifted. Sites with narrow access ways, steep drop-offs, fences, vegetation cover, elevated ground, slopes or basements can be accessed with our equipment.

Our rigs can also be used on barges for over water work. Borehole drilling, dynamic probing and DMT testing can be undertaken on a floating barge. CPT requires a jack-up barge.

Please contact us to discuss your difficult access site. You may be surprised where our rigs can go.



GROUND INVESTIGATION

COMPANY PROFILE

Ground Investigations is a geotechnical site investigation contracting company that specialises in in situ testing. Our versatile fleet of rigs are capable of a wide range of in situ testing including:

- CPTu
- SCPTu
- DMT
- SDMT
- DPSH
- SWS
- SDS
- SPT

In addition we can also undertake shallow borehole drilling. We have a team of operators and technical staff with a wealth of experience in site investigations and in situ testing. We work with our clients to provide the best, most cost-effective site investigation solutions.

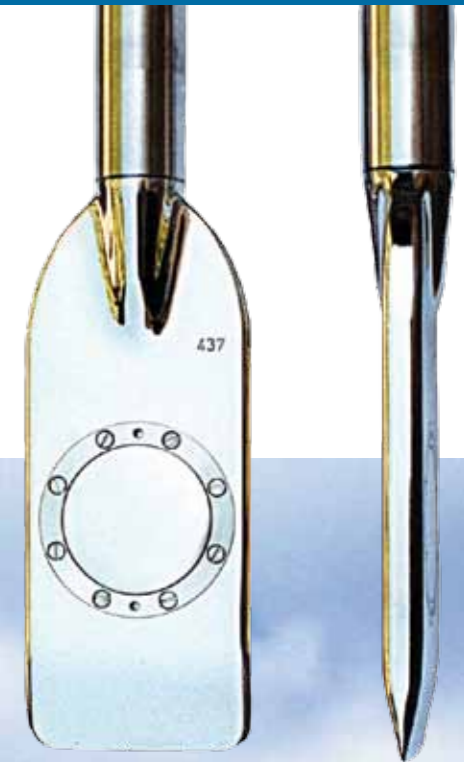
Please contact us to discuss your site investigation requirements

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GROUND INVESTIGATION



RIGS

PAGANI CPT RIG



- Compact rubber tracked rig
- Rig weight of 1 ton and 1.2 m wide
- 15 ton push capacity with anchorage
- Static and dynamic capability
- CPT, SCPT and SDMT testing
- Dynamic probing
- 30 m+ depth capacity

13 TON CPT TRUCK RIG



- 4 x 4 truck with Hiab
- AP van den Berg Hyson 200kN push equipment
- Icone digital cone system
- CPT, SCPT and SDMT
- 40 m+ depth capacity

MULTIPURPOSE TRACTOR RIG



- Small 4 x 4 tractor
- 15 ton push capacity with anchorage
- Direct drive borehole sampling, SPT and dynamic probing
- CPT, SCPT and SDMT testing
- 10 m+ depth borehole sampling
- 30 m+ depth CPT/SDMT/dynamic probing

MAN PORTABLE PUSH RIG



- Suitable for limited headroom or restricted access sites
- Can be used with height restrictions as low as 1.5 m
- Electric hydraulic power pack, ideal for inside buildings
- CPT and SDMT testing
- 20 m+ depth capacity

SWS - SDS RIG



- Small man portable machine
- Swedish Weight Sounding (SWS)
- Screw Driving Sounding (SDS)
- 10 m+ depth capacity

TERRIER TRACKED AND TRAILER RIGS



- Small manoeuvrable rigs
- Continuous core sampling in plastic liners
- SPT and Dynamic Probe testing
- 10 m+ depth capacity drilling
- 30 m+ depth capacity dynamic probing
- Environmental sampling

IN SITU TESTING

CPT + SCPT



- AP van den Berg Icone and Pagani digital piezocones
- Testing done to ASTM D5778-12
- Applications: site characterisation, correlation to c_u & ϕ , foundation design and liquefaction assessment, correlation to G_0 & E with SCPT



DMT + SDMT



- Marchetti flat dilatometer
- True interval dual sensor seismic module for accurate V_s measurements
- Testing done to ASTM D6635-01
- Applications: site characterisation, correlation to c_u , m_v , E , G_0 , K_0 & OCR, settlement analysis, foundation design and liquefaction assessment



SWS - SDS



- Nitto Seiko Company SDS Machine
- Swedish Weight Sounding (SWS) and Japanese modified Screw Driving Sounding (SDS)
- Fully automated test
- Low cost single operator test
- Applications: site characterisation, liquefaction assessment



DYNAMIC PROBE



- Continuous dynamic test recording blows per 100mm with SPT hammer
- Testing done to BS1377, DPSH
- Applications: correlation to SPT, determining depth to hard stratum



SPT



- Standard Penetration test using split spoon Raymond sampler
- Testing done to NZS4402
- Applications: correlation to various soil parameters

