

ENGINEERING · SUBSURFACE INTELLIGENCE

# Geotechnical Services







End-to-end geotechnical investigation, subsurface exploration, in-situ testing, and soil characterization for infrastructure, industrial, marine, and oilfield projects across Kuwait and the GCC. Fully integrated drilling, sampling, and accredited laboratory services under one roof.



Since 2004 · 2000+ projects · KOC approved · MPW registered · PAI ISO 17025

## Ground truth for every structure you build.

Vision International delivers fully integrated geotechnical investigation programmes — rotary and sonic drilling, Cone Penetration Testing (CPT/CPTu), in-situ field testing, piezometer installation, and accredited laboratory analysis. Our **KOC-approved rigs**, certified drillers, and ISO/IEC 17025 accredited laboratory work together under one roof, eliminating the coordination gaps that typically delay geotechnical deliverables on complex oil & gas, infrastructure, marine, and industrial sites across Kuwait, Saudi Arabia, Bahrain, and the wider Arabian Gulf region.

 <p><b>Borehole Drilling</b></p> <p>Rotary, sonic, and mud drilling with Kuwait MPW-registered rigs for boreholes on land, nearshore, and offshore marine sites up to 100 m.</p>	 <p><b>Site Investigation</b></p> <p>Programmed geotechnical site investigations for foundation design, slope stability, ground improvement, and liquefaction assessment.</p>	 <p><b>CPT &amp; CPTu Testing</b></p> <p>Cone Penetration Testing with continuous profiling of tip resistance, sleeve friction, and pore pressure — fast, economical, ASTM-compliant.</p>
 <p><b>Groundwater Monitoring</b></p> <p>Permanent and temporary piezometers, standpipes, vibrating-wire instruments, long-term water-table monitoring, and compliant sampling.</p>	 <p><b>Trial Pits &amp; Trenching</b></p> <p>Shallow investigation pits, slit trenches for utility clearance, and shallow soil profiling ahead of excavation and foundation works.</p>	 <p><b>In-Situ Field Testing</b></p> <p>Plate Load Test, Field CBR, permeability, electrical &amp; thermal resistivity, pressuremeter, seismic down-hole and cross-hole tests.</p>

### HOW WE WORK

## From Scoping to Signed Report — One Integrated Workflow



**Ready to scope your next geotechnical investigation?**

Senior geotechnical engineer assigned within 48 hours · Site visits across Kuwait and the GCC

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# Full Geotechnical Service Offering

Kuwait MPW Registered

KOC Approved Contractor

PAI ISO 17025 Accredited

ASTM & BS Compliant

## DRILLING & SAMPLING

- Rotary drilling (mud, air, water flush) up to 100 m
- Sonic drilling for contaminated and sensitive sites
- Undisturbed Shelby tube and piston sampling
- Continuous core recovery in rock and cemented soil
- Standard Penetration Testing (SPT) to BS EN ISO 22476
- Borehole logging to BS 5930 and ASTM D2488
- Offshore and nearshore marine drilling from jack-up barge

## IN-SITU FIELD TESTING

- Cone Penetration Test (CPT and CPTu with pore pressure)
- Plate Load Test (up to 750 mm diameter plate)
- California Bearing Ratio — Field CBR
- Borehole and surface permeability (Lefranc, Lugeon)
- Field density (sand replacement, nuclear gauge)
- Pressuremeter testing (Ménard)
- Dynamic Cone Penetration (DCP)

## GEOPHYSICAL & SEISMIC

- Downhole seismic surveys (P-wave and S-wave velocities)
- Crosshole seismic testing
- Electrical resistivity (Wenner 4-electrode method)
- Thermal resistivity profiling for buried cables and pipelines
- Multichannel Analysis of Surface Waves (MASW)
- Seismic refraction and reflection
- Ground Penetrating Radar (GPR) at depth

## GROUNDWATER & ENVIRONMENTAL

- Piezometer installation and instrumented monitoring
- Standpipe and vibrating-wire piezometers
- Low-flow and bailer groundwater sampling
- Monitoring well construction and development
- Slit trenching and trial pits for utility clearance
- Chain-of-custody sample handling & reporting
- Contaminated land geotechnical investigation

## The Vision Difference — Why Clients Choose Us



### Integrated Delivery

Field crews, senior engineers, and accredited ISO 17025 laboratory under one roof — no hand-off delays, no subcontractor gaps.



### Engineer-Led Reports

Every deliverable is signed by a senior chartered engineer — findings interpreted for design, not delivered as raw data.



### Schedule-Driven

Owned equipment, owned laboratory, owned teams. We hit tight oil & gas, MPW, KOC, and EPC schedules — every time.

## Sectors We Serve

Oil & Gas

Infrastructure

Marine & Ports

Buildings & Towers

Industrial

Government

2004

ESTABLISHED

2000+

PROJECTS DELIVERED

4

ISO CERTIFICATIONS

Kuwait

& GCC COVERAGE



Vision International General Trading & Contracting Co. W.L.L.

Established 2004 · Kuwait-based · GCC delivery

### OFFICE

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