

SURVEYING · SPATIAL INTELLIGENCE

Land Survey

Precision topographic, cadastral, and engineering surveys delivered with Trimble hardware, RTK GNSS networks, and terrestrial laser scanners across Kuwait and the GCC — survey data that passes third-party audit on first submission.



Since 2004 · 2000+ projects · Trimble partner · RTK GNSS network · ±2 mm accuracy

Every coordinate. Every contour. Verified.

Vision International operates one of Kuwait's most complete land-survey practices, combining **Trimble total stations**, RTK GNSS rovers, terrestrial laser scanners, GPR, and electromagnetic utility locators with in-house CAD and GIS processing. Whether you need cadastral boundary demarcation, topographic mapping for design, engineering setting-out, or as-built verification for project closeout, we deliver **survey data compliant with Kuwait Municipality, KPBM benchmarks, and KOC project requirements**.

 <p>Topographic Surveys Ground levels, contours, and digital terrain models at any scale from plots to regional corridors.</p>	 <p>Cadastral & Boundary Legal boundary demarcation, plot subdivisions, and title verification surveys per Kuwait Municipality standards.</p>	 <p>GNSS / GPS Control RTK and static GNSS observations for primary control networks, KPBM-compliant benchmarks, and densification.</p>
 <p>Engineering Surveys Setting-out, earthworks volumes, stockpile quantification, and as-built verification for active construction.</p>	 <p>Subsurface Utilities Utility detection and mapping to ASCE 38 quality levels using Ground Penetrating Radar (GPR) and EM locators.</p>	 <p>3D Laser Scanning High-density point clouds for BIM, scan-to-BIM modelling, heritage documentation, and as-built verification.</p>

HOW WE WORK

From Brief to Signed Drawing — One Survey Team



Need a survey team on site this week?

RTK GNSS crews mobilized within 48 hours · Trimble-certified surveyors · Kuwait and GCC coverage.

+965 2372 4325
info@visionkuwait.com

Full Land Survey Service Offering

Kuwait MPW Registered

KOC Approved Surveyor

Trimble Partner

KPBM Compliant

CONTROL & POSITIONING

- Primary GNSS control networks and adjustments
- Static and RTK GNSS observations
- Trimble R12i and R980 GNSS rovers
- Benchmark establishment (KPBM compliant)
- Coordinate transformations (KTM, UTM, KUDAMS)
- Precise levelling and height transfer
- Survey-grade total station traversing

TOPOGRAPHIC & CADASTRAL

- Contour mapping at any interval
- Digital Terrain Models (DTM) and DEM
- Plot demarcation and boundary verification
- Feature surveys and asset mapping
- Volumetric surveys and stockpile calculations
- Kuwait Municipality cadastral submissions
- Road centreline and right-of-way surveys

LASER SCANNING & 3D

- Terrestrial laser scanning (Trimble X7, TX8)
- Mobile laser scanning (MLS) for corridors
- Point cloud registration & processing
- Scan-to-BIM modelling (Revit, AVEVA E3D)
- As-built verification against design
- Tank calibration and verticality surveys
- Heritage and industrial documentation

UTILITIES & UNDERGROUND

- Ground Penetrating Radar (GPR) surveys
- Electromagnetic utility locating
- ASCE 38 utility quality levels (A–D)
- Subsurface utility engineering (SUE)
- Dial-before-dig compliance surveys
- Slit trenching & utility verification
- Integrated GIS utility mapping

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

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HYDROGRAPHIC · OFFSHORE INTELLIGENCE

Marine Survey







IHO-compliant hydrographic, bathymetric, and geophysical marine surveys for ports, pipelines, dredging, and offshore operations across Kuwaiti waters and the Arabian Gulf — data that holds up to the scrutiny of port authorities, classification societies, and insurers.



Since 2004 · IHO S-44 Order 1a · Multibeam & singlebeam · Own jack-up barge
· ROV operations

Know the seabed before you build on it.

Vision International brings a complete **in-house marine survey capability** to Kuwaiti waters — including an owned jack-up barge, multibeam systems, side-scan sonar, sub-bottom profilers, marine magnetometers, ADCP current profilers, and ROV operations. We support **KOC, KNPC, KIPIC, KGO, Kuwait Port Authority, and KAPP/MEW** projects for port expansions, submarine pipeline routing, dredging operations, offshore geotechnical investigation, and pre-FEED offshore wind surveys — with full control over operations, quality, safety, and scheduling.

 <p>Multibeam Bathymetry High-resolution seabed mapping with 100% ensonification for navigation charting, design, and dredging.</p>	 <p>Side-Scan Sonar Seabed imagery for pipeline inspection, object detection, wreck location, and benthic habitat mapping.</p>	 <p>Sub-Bottom Profiling Seismic profiling (boomer, chirp) of shallow marine sediments for pipeline and cable route design.</p>
 <p>ROV Operations Remotely operated vehicle inspections for subsea structures, pipelines, risers, and offshore platforms.</p>	 <p>Current & Tide Surveys ADCP current profiling, tide-gauge observations, wave monitoring, and design water-level calculations.</p>	 <p>Port & Harbour Pre-dredge, interim, as-dredged, and maintenance surveys for ports, oil piers, and marinas.</p>

HOW WE WORK

From Mobilization to Charted Data — End to End



Planning a dredging, pipeline, or offshore campaign?

Vessels and crews mobilized on 10-day notice · KOC, KIPIC, KNPC, KPA approved.

+965 2372 4325
info@visionkuwait.com

Full Marine Survey Service Offering

KOC Approved

KIPIC & KNPC Qualified

Kuwait Port Authority

IHO S-44 Order 1a

HYDROGRAPHIC

- Multibeam echosounder (MBES) surveys
- Single-beam bathymetry
- Side-scan sonar imagery and mosaics
- IHO S-44 Order 1a compliance
- Port authority chart submissions
- ENC and nautical chart production
- Pre-dredge, interim, and as-dredged surveys

GEOPHYSICAL

- Sub-bottom profiling (boomer, chirp)
- Marine magnetometer surveys
- UXO (unexploded ordnance) screening
- Submarine cable and pipeline route surveys
- Seabed classification and sediment mapping
- Side-scan target detection and interpretation
- Integrated geophysical reporting

OCEANOGRAPHIC

- ADCP current profiling
- Tide gauge deployment and monitoring
- Wave and wind monitoring stations
- Ambient noise hydrophone recording
- CTD water quality sampling
- Design water level calculations
- Metocean data delivery

OFFSHORE & SUBSEA

- Own jack-up barge for offshore geotechnical
- ROV pipeline and structure inspection
- Diver-assisted positioning
- Subsea structure as-built surveys
- Marine positioning (DGNSS, USBL)
- Offshore wind pre-FEED site surveys
- Seawater sampling and in-situ monitoring

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AERIAL · LIDAR INTELLIGENCE

UAV Aerial Survey & LiDAR







Centimetre-grade aerial mapping, LiDAR point clouds, and stockpile volumetrics across Kuwait and the GCC — flown by Trimble UX and Microdrones platforms with full ground-control discipline.

Trimble UX5/UX9 · Microdrones LiDAR · Sub-5 cm accuracy · DSM/DTM/Orthomosaic



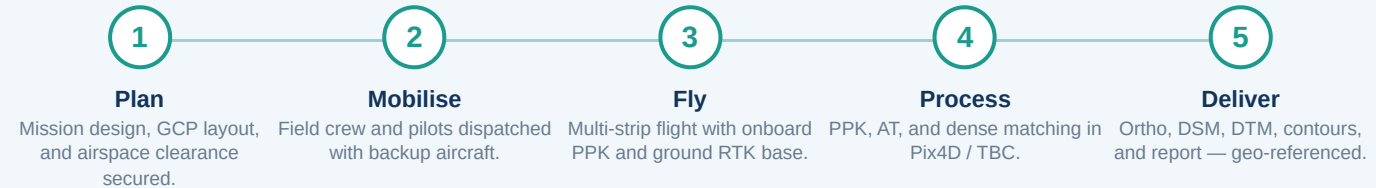
See the site before you set foot on it.

Vision International operates a full UAV fleet — fixed-wing Trimble UX, multi-rotor Microdrones with onboard LiDAR, and survey-grade RTK GNSS controllers. We fly oilfield concessions, infrastructure corridors, quarries, and coastal zones, then deliver corrected orthomosaics, digital surface models, contour maps, and stockpile volumes inside 72 hours of touchdown — all referenced to Kuwait national coordinates and audited against ground-control points placed by our MPW-registered survey crews.

 <p>Fixed-Wing Mapping Trimble UX5/UX9 fixed-wing for large-area mapping — corridors, quarries, and concessions up to 5 km² per flight.</p>	 <p>LiDAR Point Clouds Microdrones mdLiDAR systems delivering dense point clouds beneath vegetation and obstructions — ground-classified DTMs.</p>	 <p>Orthomosaic & DSM Sub-5 cm orthomosaic, digital surface model, and digital terrain model — Pix4D and Trimble Business Center workflows.</p>
 <p>Stockpile Volumetrics Aggregate, sand, and waste-rock volume calculations with statistical confidence — reconciled monthly for quarry clients.</p>	 <p>Linear Corridor Mapping Pipeline routes, transmission corridors, and road alignments — automated cross-section generation and clash audit.</p>	 <p>Permits & Compliance DGCA permits, KOC airspace clearances, and KISR coordination handled in-house — flights logged and certified.</p>

HOW WE WORK

From Flight Plan to Final Deliverable



Full UAV & LiDAR Service Offering

DGCA Approved

Trimble Authorised

Sub-5 cm Accuracy

PPK Workflow

AERIAL PHOTOGRAMMETRY

- Trimble UX5/UX9 fixed-wing mapping
- Multi-rotor mapping for tight sites
- Sub-5 cm horizontal accuracy with PPK
- Pix4D and Trimble Business Center processing
- Orthomosaic, DSM, DTM deliverables
- Ground-control point networks established
- Airspace clearance and permitting handled

LIDAR & POINT CLOUD

- Microdrones mdLiDAR airborne systems
- Ground-classified DTM beneath vegetation
- Multi-return classification (LAS/LAZ)
- Bare-earth extraction for civil design
- Power-line and transmission-corridor mapping
- Forest, palm, and dense-canopy penetration
- Integration with terrestrial laser scans

VOLUMETRIC & QUARRY

- Stockpile volume reconciliation reports
- Quarry face advance monitoring
- Cut-and-fill calculations for earthworks
- Periodic UAV monitoring contracts
- Reserve estimation and depletion tracking
- Time-series differencing across surveys

INFRASTRUCTURE & ASSETS

- Pipeline corridor inspection
- Road network condition mapping
- Tank-farm, refinery, and plant overflights
- Power-line and substation inspection
- Coastal erosion monitoring
- Construction progress documentation

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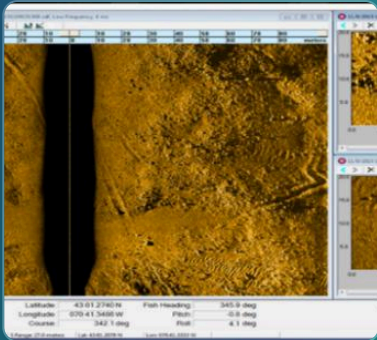
Kuwait

& GCC COVERAGE

GEOPHYSICS · SUBSURFACE IMAGING

Geophysical Surveys







Non-invasive geophysical surveys for subsurface imaging — MASW, electrical resistivity tomography, seismic refraction, cross-hole and down-hole seismic, GPR — giving designers and investigators reliable data on stratigraphy, voids, cavities, and seismic parameters without deep drilling.



Since 2004 · MASW & ERT capable · KOC HSE compliant · ASTM & BS methods
Geophysics + geotechnics

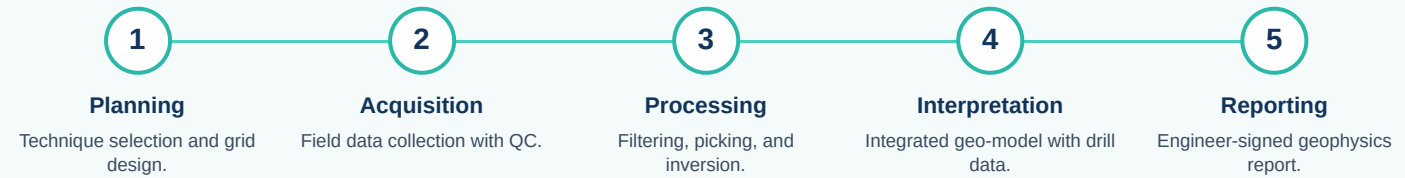
See the subsurface without drilling.

Vision International delivers integrated **geophysical surveys** that complement and reduce geotechnical drilling — providing continuous subsurface imaging for stratigraphy mapping, cavity and void detection, seismic site classification, liquefaction screening, and UXO clearance. Our geophysics team operates the full spectrum of techniques: **MASW, seismic refraction and reflection, electrical resistivity tomography (ERT), cross-hole and down-hole seismic, Ground Penetrating Radar (GPR), and marine magnetometer** — deployed onshore and offshore across Kuwait's oil & gas, infrastructure, and port projects.

 <p>MASW Multichannel Analysis of Surface Waves for shear-wave velocity profiles and seismic site classification (Vs30).</p>	 <p>Electrical Resistivity (ERT) 2D and 3D tomography for groundwater, contamination plumes, karst features, and soil layering.</p>	 <p>Seismic Refraction P-wave velocity profiles for rippability, bedrock depth, engineering rock-mass classification.</p>
 <p>Cross-hole & Down-hole Direct measurement of P- and S-wave velocities between and within boreholes for dynamic soil parameters.</p>	 <p>GPR Ground Penetrating Radar for utility detection, pavement investigation, reinforcement mapping, and forensic imaging.</p>	 <p>Magnetometer Marine and land magnetometer surveys for UXO clearance, buried metallic targets, and pipeline detection.</p>

HOW WE WORK

From Survey Plan to Subsurface Model



Full Geophysical Survey Offering

MASW & ERT

Seismic Refraction/Reflection

GPR Level II

KOC HSE Compliant

SEISMIC METHODS

- Multichannel Analysis of Surface Waves (MASW)
- ReMi (refraction microtremor)
- Seismic refraction tomography
- Seismic reflection profiling
- Cross-hole seismic testing
- Down-hole seismic testing
- Vs30 seismic site classification

ELECTRICAL & EM

- Electrical Resistivity Tomography (ERT) 2D/3D
- Vertical Electrical Sounding (VES)
- Wenner, Schlumberger, dipole-dipole arrays
- Induced Polarization (IP) surveys
- Electromagnetic (EM) profiling
- Self-potential (SP) surveys
- Conductivity mapping for salinity intrusion

GPR & RADAR

- Utility detection and mapping
- Pavement layer and void detection
- Concrete reinforcement scanning
- Forensic and archaeological GPR
- Tunnel and void investigation
- Karst and sinkhole detection
- High-frequency structural radar

MAGNETIC & INTEGRATED

- Land magnetometer surveys
- Marine magnetometer (UXO screening)
- Gradiometer buried-object detection
- Pipeline and cable tracking
- Integrated geo-geophysical modelling
- Borehole geophysics (P-S logging)
- 3D subsurface visualization

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REALITY CAPTURE · LASER SCANNING

3D Laser Scanning & Reality Capture







Millimetre-grade 3D laser scanning of plants, refineries, heritage sites, and as-built structures across Kuwait and the GCC — converted directly to BIM models at LOD 200 to LOD 500.

Trimble X9 · FARO Focus · Leica RTC360 · Scan-to-BIM



Capture reality. Build the digital twin.

Vision International operates a Trimble X9, FARO Focus Premium, and Leica RTC360 scanning fleet — paired with senior BIM modellers trained in Revit, Navisworks, and Recap. We scan refinery units for KNPC, gathering systems for KOC, heritage sites across the Gulf, and existing buildings for retrofit and renovation. Every scan is registered with sub-millimetre target accuracy, decimated for delivery, and modelled to the LOD requested — typically 200 for asset management, 350 for design retrofit, and 500 for as-built validation.

 <p>Terrestrial Scanning Trimble X9, FARO Focus, Leica RTC360 — full-dome scans with HDR imagery for plant, building, and infrastructure.</p>	 <p>Scan-to-BIM Revit and Navisworks modelling at LOD 200/350/500 — architectural, structural, and MEP systems.</p>	 <p>Heritage Documentation Sub-millimetre capture of heritage façades, archaeological sites, and listed buildings — AIUla and Diriyah experience.</p>
 <p>Plant & Refinery Process unit scanning for KNPC and KOC — pipe routing, tie-in surveys, and brownfield revamp datasets.</p>	 <p>Clash & Tie-In Studies Scan-vs-design clash audits and tie-in feasibility studies — saving rework before mobilisation.</p>	 <p>As-Built Validation Scan-against-BIM tolerance reports for handover and commissioning — typically 5 mm tolerance verified.</p>

HOW WE WORK

From Site Visit to Validated Model



Ready to digitise an existing asset?
Trimble X9 / FARO / Leica fleet · BIM modellers in-house · Pilot scan within 5 working days.

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Full Reality Capture Service Offering

Trimble X9

FARO Focus Premium

Leica RTC360

Revit / Navisworks

TERRESTRIAL LASER SCANNING

- Trimble X9 high-speed scanner
- FARO Focus Premium scanner
- Leica RTC360 scanner
- Sub-millimetre target registration
- HDR imagery for photoreal point cloud
- Internal and external scan coverage
- Confined-space and plant-area scanning

SCAN-TO-BIM MODELLING

- LOD 200 — generic asset modelling
- LOD 350 — design retrofit modelling
- LOD 500 — as-built verification
- Architectural, structural, MEP systems
- Revit native deliverables
- Navisworks federated models
- Family creation and parameter mapping

POINT-CLOUD DELIVERABLES

- Registered point cloud (E57, RCP, LAS)
- Decimated cloud for client viewing
- TruView panoramic viewer datasets
- 2D plans, sections, and elevations
- Equipment layouts and routing diagrams
- Clash and tie-in feasibility studies

SPECIALIST APPLICATIONS

- Heritage and archaeological documentation
- Plant and refinery scan-for-revamp
- Forensic and dilapidation surveys
- Tank calibration and inspection scans
- Tunnel and underground scanning
- Marine vessel and offshore structures

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POSITIONING · RTK CORRECTION NETWORK

VRX GNSS Network







Kuwait's Virtual Reference Station (VRS) RTK network operated by Vision International — delivering centimetre-accurate real-time GNSS corrections to surveyors, contractors, construction machine control systems, and government workflows across the State of Kuwait.



Vision-operated · Network RTK · Multi-GNSS · Any-brand compatible · Kuwait Municipality approved

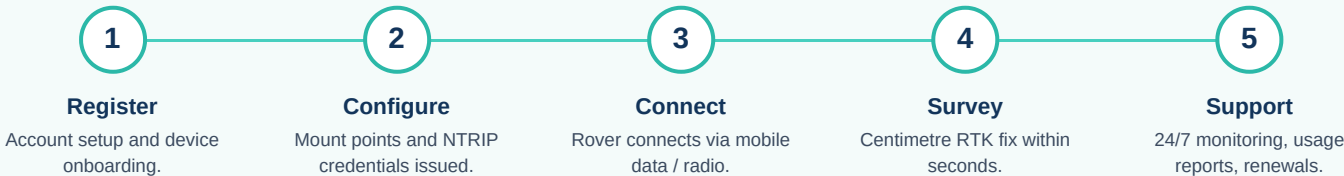
Centimetre accuracy. Anywhere in Kuwait. Any GNSS brand.

VRX is Vision International's nationwide **Virtual Reference Station (VRS) network** delivering **real-time, centimetre-accurate GNSS corrections** to surveyors, civil contractors, construction machine-control operators, and government agencies across Kuwait. Compatible with all major GNSS brands — Trimble, Leica, Topcon, Sokkia, Stonex, CHC — VRX eliminates the need for a physical base station, reduces equipment costs, and supports **Kuwait Municipality parcel handover workflows, MPW right-of-way surveys, and KPBM-compliant deliverables**. Subscription-based, always-on, and continuously augmented with the latest GNSS constellations (GPS, GLONASS, Galileo, BeiDou).

 <p>Network RTK Coverage</p> <p>Nationwide real-time RTK corrections from a distributed reference network — no base station needed.</p>	 <p>Any GNSS Brand</p> <p>NTRIP-compatible — works with Trimble, Leica, Topcon, Sokkia, Stonex, CHC, and all major GNSS rovers.</p>	 <p>Machine Control</p> <p>RTK corrections for GPS-guided excavators, dozers, graders, and paving equipment — Trimble, Leica, Topcon ready.</p>
 <p>Municipality Handover</p> <p>Parcel handover workflow for Kuwait Municipality — ±2 mm accurate coordinates with digital audit trail.</p>	 <p>Subscription Service</p> <p>Monthly, quarterly, or annual subscriptions — no equipment purchase, no maintenance, always up-to-date.</p>	 <p>Web Portal & API</p> <p>Monitor active rovers, usage reports, and configure mount points via the VRX web console and REST API.</p>

HOW WE WORK

From Subscription to Field Ready



Ready to cut the base station loose?

Free 14-day VRX trial for qualified users · Monthly and annual plans · Arabic and English support

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Full VRX Network Offering

Kuwait-wide Coverage

Multi-GNSS (GPS / GLO / GAL / BDS)

NTRIP Standard

Trimble · Leica · Topcon Ready

COVERAGE & PERFORMANCE

- Nationwide Kuwait RTK coverage
- Centimetre horizontal accuracy (1–2 cm)
- Sub-3 cm vertical accuracy
- Fix initialization in seconds
- Multi-constellation (GPS, GLONASS, Galileo, BeiDou)
- 24/7 network availability monitoring
- Redundant reference stations

COMPATIBILITY

- NTRIP standard protocol
- Trimble Access and Survey Controller
- Leica Captivate and Infinity
- Topcon Magnet Field
- Sokkia, Stonex, CHC, Emlid
- Machine control (Trimble, Leica iCON, Topcon)
- UAV and drone RTK bases

SUBSCRIPTION PLANS

- Monthly pay-as-you-go
- Quarterly contractor plans
- Annual enterprise subscriptions
- Multi-rover corporate accounts
- Government and utility licensing
- Short-term project bursts
- Volume discounts for fleet users

WORKFLOWS & INTEGRATION

- Kuwait Municipality parcel handover
- MPW roads and right-of-way surveys
- KOC, KNPC, KIPIC survey crews
- Construction machine control
- GIS data collection (field apps)
- Asset management field surveys
- Custom API integrations

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CONSTRUCTION · SETTING-OUT

Setting-Out & Construction Surveying







MPW-registered survey crews delivering construction setting-out, dimensional control, and as-built verification across Kuwait — round-the-clock support for civil, infrastructure, and oilfield projects.

MPW Registered · Trimble Total Stations · GNSS RTK · 24/7 Support



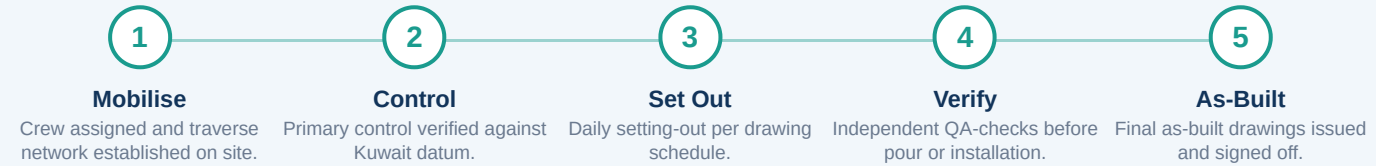
Every line, every level, every time.

Vision International deploys MPW-registered survey crews equipped with Trimble S-Series total stations, R-Series GNSS rovers, and SX12 scanning total stations — supporting civil contractors, infrastructure programmes, and oilfield projects across Kuwait. We set out structures, monitor verticality, control dimensional tolerances, and produce as-built documentation reconciled against original design — every survey signed by a chartered land surveyor and traceable to Kuwait's national coordinate datum.

 <p>Construction Setting-Out Foundations, columns, anchor bolts, and structural setting-out to ±2 mm tolerance — Kuwait MPW-registered crews.</p>	 <p>Dimensional Control Pre-pour verification, formwork checks, and verticality monitoring for high-rise and industrial structures.</p>	 <p>RTK GNSS Surveys Trimble R12i and R780 receivers operating on Vision's VRX network — instant centimetre positioning.</p>
 <p>Deformation Monitoring Tunnel, retaining wall, and structural movement monitoring — automated total stations and prism arrays.</p>	 <p>As-Built Surveys Detailed as-built drawings against approved design — clash analysis and dimensional reconciliation reports.</p>	 <p>24/7 Site Support Standby surveyors for night pours, shutdown windows, and tie-in operations — KOC and MPW shift support.</p>

HOW WE WORK

From Permit to Project Handover



Full Construction Surveying Service Offering

MPW Registered

KOC Approved

ISO 9001

24/7 Field Support

SETTING-OUT & CONTROL

- Foundation setting-out to ± 2 mm
- Anchor-bolt and embedment positioning
- Column verticality and plumb checks
- Formwork pre-pour verification
- Site grid and benchmark networks
- Trimble S5/S7/S9 total stations
- Robotic total station operation

DIMENSIONAL VERIFICATION

- Steel-fabrication dimensional checks
- Pre-cast element receiving inspection
- Equipment installation alignment
- Tank and vessel verticality checks
- Bridge bearing and expansion-joint surveys
- Crane runway and rail alignment

AS-BUILT DOCUMENTATION

- Full as-built CAD drawings
- Dimensional reconciliation reports
- Clash analysis vs design intent
- Final closeout survey package
- AutoCAD, Revit, and PDF deliverables
- Survey reports signed by chartered surveyor

MONITORING & SPECIALIST

- Settlement and heave monitoring
- Retaining-wall deflection monitoring
- Tunnel convergence monitoring
- Automated total-station networks
- InSAR satellite deformation studies
- Vibration and tilt instrumentation

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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 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

HERITAGE · 3D DOCUMENTATION

Heritage & Archaeological Survey







Sub-millimetre 3D documentation of heritage sites, archaeological zones, and listed monuments — AIUla, Diriyah, and Failaka project experience, delivered with conservation-grade precision.

- AIUla Experience · Diriyah Experience · Failaka Heritage
- GIS Conservation Records



Preserve the past. Document it digitally.

Vision International documents heritage and archaeological sites at conservation-grade precision — using terrestrial laser scanning, photogrammetry, and ground-penetrating radar in combination. Our crews have supported AIUla and Diriyah programmes in Saudi Arabia and Failaka heritage works in Kuwait. We deliver sub-millimetre 3D models, photogrammetric textured meshes, condition-mapping GIS layers, and subsurface reflectance maps that meet the documentation standards required by national heritage authorities and UNESCO.

 <p>3D Heritage Scanning</p> <p>Trimble X9 and Leica RTC360 — sub-millimetre capture of monuments, façades, and archaeological features.</p>	 <p>Aerial Photogrammetry</p> <p>Drone-based photogrammetric meshes for site-wide context — geo-referenced and time-stamped.</p>	 <p>Ground Penetrating Radar</p> <p>Subsurface mapping of buried structures, foundations, and archaeological features without excavation.</p>
 <p>GIS Conservation Records</p> <p>ArcGIS Pro condition layers — material weathering, fracture mapping, and deterioration indices.</p>	 <p>UNESCO-Aligned Reporting</p> <p>Documentation packages aligned to UNESCO and ICOMOS standards — for nominations and conservation files.</p>	 <p>Replica & Reconstruction</p> <p>3D-printable models, digital reconstructions, and immersive VR datasets for museums and visitor centres.</p>

HOW WE WORK

From Site Survey to Conservation Archive



Full Heritage & Archaeological Service Offering

UNESCO-Aligned

ICOMOS Standards

Sub-mm Accuracy

Conservation-Grade

3D CAPTURE & MODELLING

- Sub-millimetre laser scanning
- Structure-from-motion photogrammetry
- Drone aerial photogrammetric meshes
- Textured 3D mesh deliverables
- Geo-referenced point clouds (E57, LAS)
- Multi-resolution archive datasets
- Heritage BIM (HBIM) modelling

SUBSURFACE INVESTIGATION

- Ground Penetrating Radar (GPR) surveys
- Multi-frequency antenna deployment
- 3D GPR cubes for subsurface mapping
- Geomagnetic and resistivity surveys
- Foundation outline mapping
- Archaeological feature detection

CONDITION & CONSERVATION

- Material deterioration mapping
- Fracture and crack pattern analysis
- Weathering and erosion indices
- Salt-efflorescence and biological mapping
- Time-series monitoring datasets
- ArcGIS conservation layer packages

REPORTING & ARCHIVE

- UNESCO and ICOMOS-aligned dossiers
- Long-term digital archive packages
- Public-facing 3D viewer outputs
- VR and AR dataset preparation
- 3D-printable replica files
- Conservation specification reports

The Vision Difference — Why Clients Choose Us



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Sectors We Serve

Heritage Authorities

Museums

Universities

Government

Conservation NGOs

Religious Endowments

2004

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— GEOSPATIAL · DATA INTELLIGENCE —

Geoinformatics & GIS







Custom GIS applications, spatial database engineering, and remote sensing solutions that turn geographic data into operational decisions — serving KIPIC, Kuwait Municipality, utilities, oil & gas, and government clients across Kuwait.



Since 2004 · SuperMap partner · Esri technology · CAIT registered · Web & mobile GIS

Location data you can actually use.

Vision International builds **web and mobile GIS applications**, manages enterprise spatial databases, and processes satellite imagery for clients across utilities, government, oil & gas, and urban planning. Registered with Kuwait's **Central Authority for Information Technology (CAIT)**, our geoinformatics team delivers not just maps but decision-support systems — custom Esri, SuperMap, and open-source GIS applications integrated directly with your business workflows, ERP, and asset management systems.

 <p>GIS Applications Custom web and mobile GIS dashboards integrated with your ERP, SCADA, and asset management systems.</p>	 <p>Spatial Databases PostGIS, Oracle Spatial, and Esri geodatabase design, migration, versioning, and administration.</p>	 <p>Remote Sensing Satellite image processing, orthorectification, supervised classification, and change detection analysis.</p>
 <p>Network Assets Asset-management GIS for drainage, pipelines, optical fibre, power, and utility network operators.</p>	 <p>Mobile GIS Field data collection apps with offline sync for inspection, maintenance, and field-survey teams.</p>	 <p>Data Conversion Paper-to-digital, raster-to-vector, CAD-to-GIS, and cross-format spatial data migration & validation.</p>

HOW WE WORK

From Raw Data to Decision Support



Ready to move beyond static maps?
Book a GIS capability demo with our team — enterprise deployments, mobile apps, or pilot projects.

+965 2372 4325
info@visionkuwait.com

Full Geoinformatics Service Offering

CAIT Registered

SuperMap Partner

Esri Technology

Open-Source GIS

GIS DEVELOPMENT

- Web GIS applications (SuperMap, Esri, OpenLayers)
- Mobile field data collection apps
- Desktop GIS customization and plugins
- REST API design for spatial services
- Dashboard and spatial analytics development
- Integration with ERP and asset management
- 3D visualization and digital twins

SPATIAL DATA MANAGEMENT

- Enterprise geodatabase design
- PostGIS / Oracle Spatial administration
- Data quality and validation pipelines
- Master data management and versioning
- Multi-user editing environments
- Schema migration and data conversion
- Backup, recovery, and security

REMOTE SENSING & IMAGERY

- Satellite imagery acquisition and processing
- Georeferencing and orthorectification
- Supervised and unsupervised classification
- Change detection analysis over time
- Mosaicking and color balancing
- UAV imagery processing and DEM generation
- Vegetation, land-use, and NDVI analysis

ANALYTICS & MODELLING

- Network asset management and analysis
- Risk and hazard mapping
- Land records and cadastre management
- Suitability and site-selection analysis
- 3D city modelling and digital twins
- Routing, service-area, and proximity analysis
- Custom spatial analytics pipelines

The Vision Difference — Why Clients Choose Us



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



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Eid N. H. Aladwani

General Manager
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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>Borehole Drilling</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>Site Investigation</p> <p>Programmed geotechnical site investigations for foundation design, slope stability, ground improvement, and liquefaction assessment.</p>	 <p>CPT & CPTu Testing</p> <p>Cone Penetration Testing with continuous profiling of tip resistance, sleeve friction, and pore pressure — fast, economical, ASTM-compliant.</p>
 <p>Groundwater Monitoring</p> <p>Permanent and temporary piezometers, standpipes, vibrating-wire instruments, long-term water-table monitoring, and compliant sampling.</p>	 <p>Trial Pits & Trenching</p> <p>Shallow investigation pits, slit trenches for utility clearance, and shallow soil profiling ahead of excavation and foundation works.</p>	 <p>In-Situ Field Testing</p> <p>Plate Load Test, Field CBR, permeability, electrical & 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

+965 2372 4325
info@visionkuwait.com

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

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Eid N. H. Aladwani
General Manager
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MARINE GEOTECHNICS · SUBSEA INTELLIGENCE

Offshore Geotechnical







Specialist marine geotechnical investigation from our own jack-up barge — boreholes, in-situ CPT, seabed sampling, and geotechnical testing for offshore platforms, subsea pipelines, port expansions, and marine terminals across Kuwaiti waters and the Arabian Gulf.



Since 2004 · Own jack-up barge · KOC & KIPIC approved · Multi-purpose vessel
Integrated marine team

Kuwait's integrated offshore geotechnical capability.

Vision International operates one of Kuwait's only **in-house offshore geotechnical capabilities**, built around our own jack-up barge and marine survey fleet. We deliver complete investigation programmes — marine boreholes, offshore CPT, seabed sampling, marine CPTu — alongside integrated bathymetric, side-scan sonar, and sub-bottom data, giving clients a single package for **port expansions, subsea pipeline replacements, offshore oil platform foundations, mooring systems, and offshore wind pre-FEED surveys**. Fully deployable for KNPC, KOC, KIPIC, KGOC, WJO, KPA, and KAPP/MEW marine programmes.

 <p>Jack-up Barge</p> <p>Own self-elevating barge for stable drilling platform in shallow and intermediate water depths.</p>	 <p>Marine Boreholes</p> <p>Rotary and wireline drilling with down-hole sampling, SPT, and core recovery in marine sediments.</p>	 <p>Offshore CPT & CPTu</p> <p>Seabed and sub-seabed Cone Penetration Testing with pore-pressure measurement for design parameters.</p>
 <p>Seabed Sampling</p> <p>Grab samples, vibrocore, gravity core, and piston core collection for sediment and benthic studies.</p>	 <p>Pipeline Geotechnics</p> <p>Ground model for submarine pipeline routing, trench design, cable burial, and shore approaches.</p>	 <p>Platform & Mooring</p> <p>Foundation and anchor design inputs for fixed platforms, jackets, mooring buoys, and SPM systems.</p>

HOW WE WORK

From Marine Plan to Signed Offshore GI Report



Planning a marine pipeline, platform, or port campaign?

Jack-up barge and multi-purpose vessel mobilized on 10-day notice · Kuwait Port Authority and KOC approved

+965 2372 4325
info@visionkuwait.com

Full Offshore Geotechnical Offering

Own Jack-up Barge

KOC & KIPIC Approved

Kuwait Port Authority

Multi-purpose Vessel

MARINE DRILLING & SAMPLING

- Jack-up barge based rotary drilling
- Wireline drilling with Geobor-S
- Undisturbed sampling in soft marine clays
- Continuous core recovery in cemented layers
- Down-hole SPT in marine boreholes
- Vibrocoring and gravity coring
- Piston sampling for sensitive sediments

IN-SITU OFFSHORE TESTING

- Seabed CPT (push-in type)
- Down-hole CPT and CPTu
- Marine pressuremeter testing
- Offshore vane shear testing
- Seabed piezometer installation
- Marine permeability and pump testing
- Temperature and electrical profiling

PIPELINE & CABLE ROUTES

- Submarine pipeline route investigation
- Cable route and burial assessment
- Pipe-soil interaction parameters
- On-bottom stability inputs
- Thermal resistivity profiling
- Scour and erosion assessment
- Shore approach and tie-in geotechnics

PLATFORMS & STRUCTURES

- Jacket platform foundation design inputs
- Monopile and suction bucket data
- Mooring anchor and SPM parameters
- Port quay wall and breakwater GI
- Offshore wind pre-FEED characterisation
- Marine terminal berth pocket surveys
- Geohazard and seismic site response

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

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Sectors We Serve

Oil & Gas

Infrastructure

Marine & Ports

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Eid N. H. Aladwani

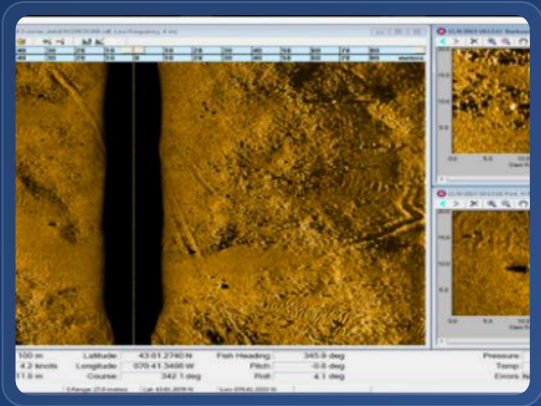
General Manager
eid@visionkuwait.com

MONITORING · INSTRUMENTATION

Geotechnical Instrumentation







Vibrating-wire piezometers, inclinometers, and automated data-acquisition systems — real-time monitoring of tunnels, bridges, dams, and high-rise excavations across Kuwait and the GCC.

VW Piezometers · Inclinometers · ADAS / Telemetry · Real-Time Alarms



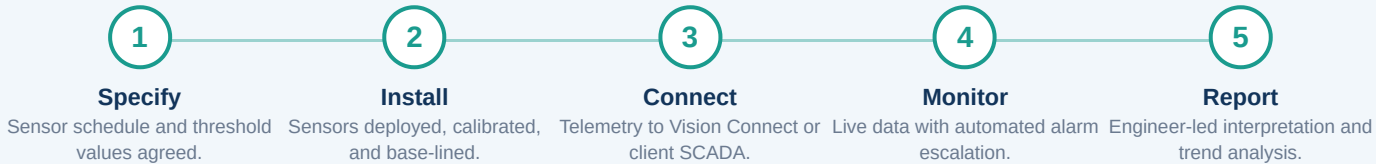
Hear the ground before it speaks.

Vision International designs, supplies, installs, and operates geotechnical instrumentation programmes — from single piezometer wells to fully telemetered monitoring networks for dams, deep excavations, tunnels, and critical infrastructure. We integrate sensors from Geokon, RST, Slope Indicator, and Soldata, deliver data through Vision Connect for live dashboards, and configure alarm thresholds so engineers and contractors are alerted before deformation becomes failure.

 <p>VW Piezometers Vibrating-wire pore-pressure monitoring for embankments, excavations, dams, and reclamation projects.</p>	 <p>Inclinometers In-place inclinometers for slope movement and retaining-wall deflection — manual and automated readings.</p>	 <p>Automated DAQ Campbell, Geokon, and Soldata data-loggers with cellular and satellite telemetry — zero-touch monitoring.</p>
 <p>InSAR Monitoring Satellite-based deformation monitoring for wide-area subsidence, fault movement, and infrastructure trends.</p>	 <p>Vision Connect Dashboards Live data dashboards, threshold alarms, and historical trending — accessed from web and mobile.</p>	 <p>Threshold Alarms Configurable alert thresholds for trigger-action response plans — SMS, email, and on-call escalation.</p>

HOW WE WORK

From Sensor Specification to Live Dashboard



Monitoring a critical excavation or structure?
Sensor design, installation, and live telemetry · Real-time alarms · Engineer-led interpretation. Pilot site within two weeks.

+965 2372 4325
info@visionkuwait.com

Full Geotechnical Monitoring Service Offering

Geokon Authorised

RST Authorised

Soldata Compatible

Vision Connect Integrated

PORE-PRESSURE MONITORING

- Vibrating-wire piezometers (VW)
- Pneumatic piezometers
- Standpipe and Casagrande piezometers
- Multi-level VW piezometer strings
- Reclamation and tailings dam monitoring
- Embankment and dam-toe pore pressures
- Long-term groundwater regime studies

MOVEMENT & DEFORMATION

- Manual and in-place inclinometers
- Tilt-meters and tilt arrays
- Crackmeters and joint-meters
- Convergence pins and tape extensometers
- Settlement plates and magnet extensometers
- Optical and prism survey targets

AUTOMATED & TELEMETRY

- Campbell Scientific data-loggers
- Geokon multiplexers and loggers
- Cellular, LoRa, and satellite telemetry
- Solar power and battery backup
- Vision Connect dashboard integration
- SMS, email, and webhook alarm relays

WIDE-AREA & SATELLITE

- InSAR satellite subsidence monitoring
- GNSS continuous-monitoring stations
- Reflector targets for total-station automation
- Time-series and trend analytics
- Engineer-signed monitoring reports
- Trigger-action response planning

The Vision Difference — Why Clients Choose Us



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GROUND IMPROVEMENT · SPECIALTY

Ground Improvement & Specialty Geotechnics







Vibro-compaction, stone columns, jet grouting, dewatering, and shoring — engineered ground-improvement and specialty geotechnical works across Kuwait, Saudi Arabia, and the wider Gulf.

Vibro-Compaction · Stone Columns · Jet Grouting · Shoring & Dewatering



When the ground isn't good enough — we make it good.

Vision International delivers turnkey ground-improvement and specialty geotechnical works — vibro-compaction for liquefaction-prone reclamation, stone columns for soft-clay foundations, jet grouting for tunnel-portal stabilisation, and engineered dewatering and shoring for deep excavations. We design with internal geotechnical engineers, mobilise specialty rigs, and verify performance with CPT, plate load tests, and pressuremeter testing — every system signed off against the original design specification.

 <p>Vibro-Compaction</p> <p>Densification of loose, liquefaction-prone sands to depths of 25 m — for reclamation and tank-farm sites.</p>	 <p>Stone Columns</p> <p>Vibro-replacement stone columns for soft-clay reinforcement — embankments, road approaches, and tank pads.</p>	 <p>Jet Grouting</p> <p>High-pressure cement grouting for tunnel portals, pile reinforcement, and underpinning of existing structures.</p>
 <p>Dewatering Systems</p> <p>Deep wells, well-points, and ejector systems for excavation dewatering — engineered and operated end-to-end.</p>	 <p>Shoring & Underpinning</p> <p>Secant pile walls, sheet piling, soil nails, and underpinning of adjacent structures.</p>	 <p>Performance Verification</p> <p>Post-treatment CPT, plate load, and pressuremeter testing — performance signed against design intent.</p>

HOW WE WORK

From Design Brief to Verified Improvement



Need to densify, reinforce, or stabilise?

Single point of accountability — design, execution, and verification under one roof. Site assessment within 5 working days.

+965 2372 4325
info@visionkuwait.com

Full Ground Improvement Service Offering

Design-Build Capable

Performance Verified

Specialty Rig Fleet

ISO 17025 Lab Backup

DENSIFICATION & COLUMNS

- Vibro-compaction up to 25 m depth
- Vibro-replacement stone columns
- Dynamic compaction for shallow zones
- Liquefaction mitigation for tank farms
- Reclamation densification programmes
- Soft-clay reinforcement systems
- Settlement reduction for embankments

GROUTING & INJECTION

- Jet grouting (single, double, triple fluid)
- Permeation grouting for sand stabilisation
- Compaction grouting for void filling
- Curtain grouting for cut-off walls
- Tunnel-portal stabilisation
- Underpinning of existing structures

DEWATERING & EXCAVATION

- Deep-well dewatering systems
- Well-point and ejector systems
- Discharge management and treatment
- Slurry-wall and cut-off systems
- Sheet-pile and king-post wall design
- Soil-nail and tieback systems

VERIFICATION & QA

- Post-treatment CPT verification
- Plate load testing of treated soil
- Pressuremeter testing for stiffness
- Field permeability testing
- Density and moisture verification
- Engineer-signed performance reports

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MINING · QUARRY · GEOTECHNICS

Mining & Quarry Geotechnics







Slope-stability assessment, pit design, blast-vibration monitoring, and waste-rock characterisation for mining and quarry operations across the Arabian Peninsula.

Slope Stability · Pit Design · Blast Monitoring · Waste Characterisation



Engineering for the open pit.

Vision International brings 30+ years of geotechnical engineering experience to mining and quarry operations — from limestone, gypsum, and aggregate quarries in Kuwait to phosphate and bauxite operations across the Gulf. We characterise rock-mass quality, model slope stability with limit-equilibrium and finite-element software, monitor blast vibration against DIN 4150 and USBM standards, and design tailings and waste-rock storage facilities that meet international environmental standards.

 <p>Slope Stability</p> <p>Limit-equilibrium and finite-element slope stability — Slide, Slope/W, Phase2, and FLAC modelling.</p>	 <p>Pit Design Optimisation</p> <p>Bench-height and inter-ramp angle optimisation — balancing safety, recovery, and stripping ratio.</p>	 <p>Blast Vibration</p> <p>DIN 4150 / USBM blast-vibration monitoring with seismographs — protecting nearby structures and residents.</p>
 <p>Rock Mass Classification</p> <p>RMR, Q-system, and GSI characterisation — rock-mass strength parameters for slope design.</p>	 <p>Waste Rock & Tailings</p> <p>Waste-rock storage design, tailings dam stability, and ARD (acid rock drainage) characterisation.</p>	 <p>Slope Monitoring</p> <p>Slope-stability radar (SSR) integration, prism networks, and InSAR satellite monitoring.</p>

HOW WE WORK

From Concept Pit to Closure Plan



Quarry expansion or pit redesign?
 Geotechnical mapping, slope stability, and blast monitoring — under one roof. Site assessment within 7 working days.

+965 2372 4325
 info@visionkuwait.com

Full Mining & Quarry Geotechnics Offering

Limit-Equilibrium Modelling

FEM Modelling

DIN 4150 Compliant

ISO 17025 Lab

ROCK-MASS CHARACTERISATION

- RMR rock-mass rating
- Q-system rock-mass classification
- GSI (Geological Strength Index)
- Discontinuity and joint-set mapping
- Lab UCS and triaxial testing
- Point-load and tensile testing
- Hoek-Brown criterion parameter fitting

SLOPE & PIT DESIGN

- Limit-equilibrium slope stability
- Finite-element slope analysis
- Bench-height optimisation
- Inter-ramp angle design
- Wedge, planar, and toppling analysis
- Probabilistic slope stability

BLAST & VIBRATION

- DIN 4150-3 blast-vibration monitoring
- USBM RI-8507 ground vibration
- Air-overpressure measurement
- Peak-particle-velocity reporting
- Predictive scaled-distance modelling
- Structural vulnerability assessment

MONITORING & CLOSURE

- Slope-stability radar integration
- Prism and total-station networks
- InSAR wide-area monitoring
- Tailings dam stability monitoring
- Closure planning and reclamation
- Acid rock drainage (ARD) testing

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Mining Companies

Quarry Operators

Cement Industry

Aggregate Producers

Government Mineral Authorities

Environmental Agencies

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PROJECTS DELIVERED

4

ISO CERTIFICATIONS

Kuwait

& GCC COVERAGE

RENEWABLES · SOLAR · WIND

Renewable Energy Geotechnics







Site characterisation for solar farms, wind-tower foundations, and battery-energy-storage facilities — supporting Kuwait's Shagaya programme and Saudi Arabia's Vision 2030 renewable rollout.

Solar Site Investigation · Wind Tower Foundations · BESS Site Studies · Vision 2030 Aligned



Built to last. Designed for the desert.

Vision International supports renewable-energy developers across the Gulf — from utility-scale solar farms in Kuwait's Shagaya programme to wind tower projects in NEOM and battery-energy-storage facilities for grid stabilisation. We deliver geotechnical investigations sized for hundreds of foundation points, in-situ thermal-resistivity surveys for cable derating, corrosion characterisation for steel piles, and seismic site classifications for tower design — every package optimised for the spread, repetition, and constructability that renewable projects demand.

 <p>Solar Farm Investigation</p> <p>Hundreds of test points designed for racking and pile design — Vs30, corrosion, and thermal resistivity.</p>	 <p>Wind Tower Foundations</p> <p>Deep CPT, lab UCS, and dynamic testing for wind-turbine foundation design — onshore and nearshore.</p>	 <p>BESS Site Studies</p> <p>Battery-energy-storage site classification — fire-safety, thermal, and seismic considerations integrated.</p>
 <p>Seismic Site Classification</p> <p>Vs30 measurement and site-class assignment per IBC/ASCE 7 — for tower and BESS foundation design.</p>	 <p>Corrosion Characterisation</p> <p>Soil resistivity, pH, chloride, and sulphate testing — for steel pile and grounding-electrode design.</p>	 <p>Thermal Resistivity</p> <p>In-situ thermal needle testing for cable ampacity derating — TR-1 and IEEE 442 compliance.</p>

HOW WE WORK

From Site Walkover to Foundation Spec



Solar, wind, or BESS programme launch?
 Mass-survey efficiencies. Repeat-test optimisation. Engineer-signed foundation parameters. Pilot mobilisation in 2 weeks.

+965 2372 4325
 info@visionkuwait.com

Full Renewable Energy Geotechnics Offering

Shagaya Experience

NEOM Capability

ISO 17025 Lab

Vs30 Site Classification

SOLAR FARM INVESTIGATION

- High-density CPT and boreholes
- Pile-driving feasibility studies
- Lateral capacity testing
- Soil corrosivity classification
- Thermal-resistivity profiling
- Cable trench routing geotechnics
- Wadi crossing and erosion assessment

WIND TOWER FOUNDATIONS

- Deep CPT and CPTu profiling
- Lab UCS, triaxial, and consolidation
- Cyclic and dynamic testing
- Liquefaction assessment
- Vs30 and seismic site classification
- Bearing capacity and settlement analysis

BESS & GRID INFRASTRUCTURE

- BESS-pad foundation investigation
- Substation and switchyard studies
- Fire-rated soil characterisation
- Grounding electrode resistivity
- Thermal modelling for cable banks
- Seismic and wind loading studies

SPECIALTY TESTING

- Soil corrosivity (resistivity, pH, Cl, SO₄)
- TR-1 thermal-resistivity testing
- MASW for Vs30 measurement
- Cone resistivity (CPTu R)
- Pile-driving analyzer (PDA)
- Engineer-signed foundation report

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 oil & gas, MPW, KOC, and EPC schedules — every time.

Sectors We Serve

Solar
Developers

Wind
Developers

BESS
Operators

Government
Energy

EPC
Contractors

Independent
Engineers

2004

ESTABLISHED

2000+

PROJECTS DELIVERED

4

ISO CERTIFICATIONS

Kuwait

& GCC COVERAGE

TUNNELING · UNDERGROUND

Tunneling & Underground Engineering







Tunnel support design, NATM and TBM advisory, ground freezing, and tunnel dewatering — supporting metro, utility, and underground infrastructure programmes across the Gulf.

[NATM Advisory](#) · [TBM Advisory](#) · [Ground Freezing](#) · [Tunnel Dewatering](#)



Engineering the world below the surface.

Vision International supports tunnel and underground construction programmes — from utility-tunnel design for Kuwait's water and sewage networks to metro-tunnel advisory across the GCC. We deliver pre-construction site investigation, NATM and TBM advisory, support-system design, ground-freezing programmes, and tunnel-dewatering systems. Our underground specialists combine 30+ years of regional ground knowledge with international tunnelling expertise — and our ISO 17025 lab supports every project with rock-mass and rock-fragment testing.

 <p>Tunnel Support Design</p> <p>Shotcrete, rock-bolt, lattice-girder, and steel-rib support systems — for soft-ground and rock tunnels.</p>	 <p>NATM & TBM Advisory</p> <p>New Austrian Tunnelling Method support classes and TBM-pressure / cutter-management advisory.</p>	 <p>Tunnel Dewatering</p> <p>Pre-tunnel dewatering systems — deep wells, well-points, and grout-curtain interventions.</p>
 <p>Ground Freezing</p> <p>Brine and liquid-nitrogen ground-freezing for tunnel cross-passages and shaft construction.</p>	 <p>Convergence Monitoring</p> <p>Tape-extensometer and laser-convergence networks — calibrated against support-system design.</p>	 <p>Settlement Trough Analysis</p> <p>Pre-construction settlement-trough prediction and protection of overlying assets.</p>

HOW WE WORK

From Concept Alignment to Tunnel Handover



Planning a tunnel, shaft, or underground works?
 Pre-construction studies, support design, and live monitoring · 30+ years of regional ground knowledge. Engagement within 1 week.

+965 2372 4325
info@visionkuwait.com

Full Tunneling & Underground Service Offering

NATM Methodology

TBM Compatible

ISRM Standards

ISO 17025 Lab

GROUND CHARACTERISATION

- Rock-mass classification (RMR, Q, GSI)
- Discontinuity and joint mapping
- Lab UCS, triaxial, and shear testing
- Permeability and packer testing
- In-situ stress measurement
- Hydrogeology and aquifer characterisation
- Vs30 and seismic site classification

SUPPORT & EXCAVATION DESIGN

- NATM support-class design
- Shotcrete and rock-bolt detailing
- Lattice girder and steel rib design
- TBM cutter and pressure advisory
- Cross-passage and shaft design
- Final lining and waterproofing

DEWATERING & FREEZING

- Pre-tunnel dewatering well systems
- Grout-curtain cut-off systems
- Brine ground-freezing systems
- LN₂ rapid-freeze interventions
- Permeation grouting for sand layers
- Compensation grouting for settlement

MONITORING & RISK

- Tape-extensometer convergence
- Laser-scanner cross-section profiling
- Settlement-trough monitoring
- Building-impact assessment
- Trigger-action response planning
- Vibration and noise monitoring

The Vision Difference — Why Clients Choose Us



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Engineer-Led Reports

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Schedule-Driven

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

Sectors We Serve

Metro Authorities

Water & Sewage

Power Utilities

Highways

Oil & Gas

Government

2004

ESTABLISHED

2000+

PROJECTS DELIVERED

4

ISO CERTIFICATIONS

Kuwait

& GCC COVERAGE

DRILLING · WATER WELLS

Water Well Drilling Services







Shallow and deep water-well drilling for Kuwait's Ministry of Electricity & Water (MEW) — turnkey delivery from siting through development, casing, and production testing.

- MEW-Spec Rigs
- Shallow & Deep Wells
- Casing & Screens
- Production Testing



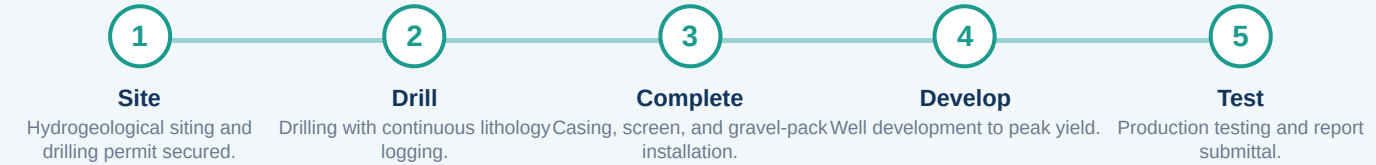
Reliable water. From source to surface.

Vision International drills water wells for Kuwait's MEW programme and the wider Gulf — from shallow domestic and irrigation wells through deep brackish-water production wells reaching 800 m. We operate rigs sized to MEW shallow and deep specifications (60,000 lb to 120,000 lb hookload), install casing and stainless-steel screens to AWWA standards, develop wells to peak yield using surge-block, jetting, and airlift methods, and conduct constant-rate and step-drawdown production testing in line with internationally accepted hydrogeological practice.

 <p>Mud-Rotary Drilling</p> <p>Conventional mud-rotary drilling for shallow domestic and irrigation wells — 8 to 24-inch borehole sizes.</p>	 <p>Air-Rotary & Hammer</p> <p>Air-rotary and downhole-hammer drilling for hard-rock formations — Damman and Kuwait Group aquifers.</p>	 <p>Casing & Screen Install</p> <p>Steel and stainless-steel casing, AWWA-grade slotted screens, gravel-pack design and placement.</p>
 <p>Well Development</p> <p>Surge-block, jetting, and airlift development — clearing fines and maximising specific capacity.</p>	 <p>Production Testing</p> <p>Constant-rate, step-drawdown, and recovery testing — aquifer parameters and well-efficiency reports.</p>	 <p>Hydrogeology Reports</p> <p>Lithology logs, well-completion diagrams, and engineer-signed hydrogeological reports for MEW submittal.</p>

HOW WE WORK

From Drilling Permit to Wellhead Handover



Full Water Well Drilling Service Offering

MEW Compliant

AWWA Standards

API Compatible

ISO 9001

DRILLING & METHODS

- Mud-rotary drilling (3-stage mud system)
- Air-rotary drilling for hard rock
- Downhole-hammer drilling
- Reverse-circulation drilling
- Borehole sizes 8" to 24"
- Drilling depths to 800 m
- Continuous lithology logging

WELL COMPLETION

- Steel and stainless-steel casing
- AWWA-grade wire-wound screens
- Slotted PVC and steel screens
- Gravel-pack design and placement
- Cement and bentonite annular seals
- Wellhead and pumping-equipment install

DEVELOPMENT & TESTING

- Surge-block development
- Jetting development
- Airlift development
- Step-drawdown well-efficiency tests
- Constant-rate aquifer pumping tests
- Recovery and Theis-recovery analysis

REPORTING & ANALYSIS

- Lithology and well-completion logs
- Hydrogeological characterisation
- Aquifer parameter estimates (T, S)
- Specific-capacity and yield reports
- Water-quality sampling protocols
- MEW-format submittal packages

The Vision Difference — Why Clients Choose Us



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



Engineer-Led Reports

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Schedule-Driven

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Sectors We Serve

Ministry of
Electricity &
Water

Agriculture

Industrial

Municipal

Mining

Oil & Gas

2004

ESTABLISHED

2000+

PROJECTS DELIVERED

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ISO CERTIFICATIONS

Kuwait

& GCC COVERAGE

MONITORING WELLS · PIEZOMETRIC

Monitoring Well Drilling Services






Groundwater monitoring wells, piezometric measurement wells, and contamination-monitoring well networks — designed and drilled to ASTM and EPA standards.

ASTM D5092 Compliant · EPA Protocols · ISO 17025 Lab
· KEPA-Aligned



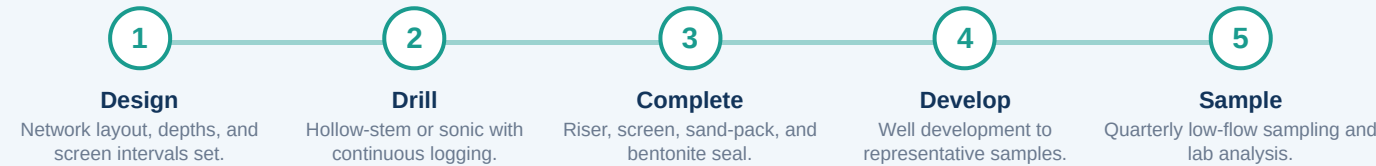
Track the water table. Detect contamination.

Vision International drills monitoring well networks for groundwater levels, piezometric pressure, and contaminant detection — across upstream oilfield concessions, refinery sites, and industrial areas in Kuwait, Saudi Arabia, and the GCC. Wells are constructed to ASTM D5092 and EPA Region-specific protocols, with hollow-stem auger or sonic methods for clean undisturbed lithology, dual-walled casing for contaminant containment, and dedicated low-flow sampling systems for VOC and metals analysis. Our ISO 17025 lab handles the chemistry — chain-of-custody preserved end to end.

 <p>Hollow-Stem Auger</p> <p>Hollow-stem auger drilling for shallow monitoring wells — minimal-disturbance lithology and sampling.</p>	 <p>Sonic Drilling</p> <p>Sonic drilling for high-recovery, contaminant-isolated samples — preferred for KEPA Phase II ESA.</p>	 <p>Contamination Wells</p> <p>Dual-walled casing and grouted seals for contaminant-monitoring wells — VOC, BTEX, and metals.</p>
 <p>Piezometric Wells</p> <p>Vibrating-wire and standpipe piezometers — for groundwater pressure and head monitoring.</p>	 <p>Low-Flow Sampling</p> <p>Dedicated low-flow pumps and protocols — minimal turbidity, defensible sample chemistry.</p>	 <p>Lab Integration</p> <p>ISO 17025 lab with chain-of-custody — VOC, BTEX, TPH, metals, and inorganic chemistry.</p>

HOW WE WORK

From Network Design to Monitoring Round



Groundwater monitoring or Phase II ESA?
 ASTM-compliant well design · ISO 17025 chemistry · Quarterly sampling contracts.
 Network design within 1 week.

+965 2372 4325
info@visionkuwait.com

Full Monitoring Well Service Offering

ASTM D5092

EPA Protocols

KEPA-Aligned

Chain-of-Custody

DRILLING METHODS

- Hollow-stem auger drilling
- Sonic drilling (Geoprobe, Boart Longyear)
- Direct-push (DPT) sampling
- Air-rotary for deep monitoring wells
- Mud-rotary with controlled fluids
- Continuous lithology and PID logging
- Sealed-core sampling for VOC analysis

WELL CONSTRUCTION

- Schedule 40/80 PVC well construction
- Stainless-steel screens for VOC wells
- Sand-pack and bentonite-seal placement
- Cement-bentonite grout completions
- Flush-mount and stick-up wellheads
- Locking caps and security collars

SAMPLING & MONITORING

- Low-flow purge-and-sample protocols
- Dedicated and portable sampling pumps
- Bailers for shallow water-table wells
- Multi-parameter water-quality probes
- Quarterly sampling contracts
- Long-term level data-logger networks

ANALYSIS & REPORTING

- ISO 17025 chemistry analysis
- VOC, BTEX, TPH, and PAH analysis
- Heavy metals (RCRA-8) analysis
- Major ions and inorganic chemistry
- Engineer-signed quarterly reports
- KEPA / EPA-format submittals

The Vision Difference — Why Clients Choose Us



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Engineer-Led Reports

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Schedule-Driven

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

Sectors We Serve

Oil & Gas

Refineries & Petrochem

Environmental Authorities

Industrial

Power Generation

Government

2004

ESTABLISHED

2000+

PROJECTS DELIVERED

4

ISO CERTIFICATIONS

Kuwait

& GCC COVERAGE

WELL REHABILITATION · YIELD RECOVERY

Well Development & Rehabilitation







Restore lost yield, extend well life, and recover failed wells — chemical, mechanical, and brush-and-bail rehabilitation programmes for MEW, agricultural, and industrial wells.

Chemical Rehab · Mechanical Rehab · Brush & Bail · Yield Recovery



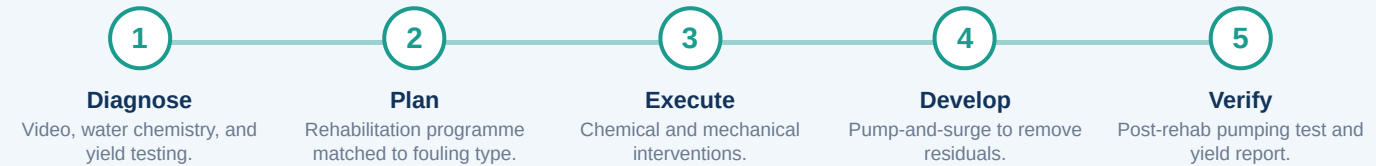
Aging well? We bring it back.

Vision International rehabilitates water wells that have lost specific capacity, suffered iron-bacteria fouling, or failed mechanically — across MEW, agricultural, and industrial portfolios in Kuwait and the GCC. We diagnose with downhole video, water-quality testing, and step-drawdown analysis, then deploy targeted rehabilitation — acidisation, surge-block agitation, brush-and-bail, mechanical scraping, and surge-and-pump development — followed by post-rehabilitation testing that quantifies the yield recovery and extends well service life by years rather than months.

 <p>Downhole Diagnostics</p> <p>Downhole video, calliper, and yield logs — pinpointing fouling, encrustation, and mechanical damage.</p>	 <p>Chemical Rehabilitation</p> <p>Acidisation, polyphosphate dispersant, and biocide programmes — restoring screen and aquifer permeability.</p>	 <p>Mechanical Rehabilitation</p> <p>Brush-and-bail, surge-block, and mechanical scraping — restoring screen open area.</p>
 <p>Pump-and-Surge</p> <p>Pump-and-surge development — re-mobilising fines and restoring specific capacity.</p>	 <p>Performance Testing</p> <p>Pre and post-rehabilitation step-drawdown testing — quantifying yield-recovery uplift.</p>	 <p>Pump & Wellhead Service</p> <p>Pump pull and re-installation, riser pipe inspection, wellhead refurbishment.</p>

HOW WE WORK

From Lost Yield to Recovered Capacity



Well yield dropped? Aging fleet?
 Diagnostic-led rehabilitation programmes · Quantified yield recovery · Fleet-rehabilitation contracts. Site visit within 1 week.

+965 2372 4325
 info@visionkuwait.com

Full Well Rehabilitation Service Offering

Diagnostic-Led

Quantified Recovery

MEW Compliant

ISO 9001

DIAGNOSTICS

- Downhole CCTV video logging
- Calliper and casing-integrity logs
- Spinner flow logs
- Step-drawdown well-efficiency tests
- Water-quality and chemistry analysis
- Iron-bacteria and biofouling testing
- Specific-capacity trend analysis

CHEMICAL REHABILITATION

- Inhibited acidisation (HCl, citric)
- Polyphosphate dispersant programmes
- Biocide treatment for iron bacteria
- Sequential chemical-mechanical cycles
- Spent-fluid neutralisation and disposal
- Closed-loop recirculation rehabilitation

MECHANICAL REHABILITATION

- Brush-and-bail screen cleaning
- Surge-block agitation
- Mechanical screen scraping
- Sonic and percussion rehabilitation
- Pump-and-surge development
- Casing milling and re-sleeving

TESTING & WELL HEAD

- Pre-rehab step-drawdown testing
- Post-rehab step-drawdown testing
- Yield-uplift quantification reports
- Pump pull, inspection, re-installation
- Wellhead refurbishment and seals
- Engineer-signed rehabilitation report

The Vision Difference — Why Clients Choose Us



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Engineer-Led Reports

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Schedule-Driven

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

Sectors We Serve

Ministry of Electricity & Water

Agriculture

Municipal

Industrial

Mining

Oil & Gas

2004

ESTABLISHED

2000+

PROJECTS DELIVERED

4

ISO CERTIFICATIONS

Kuwait

& GCC COVERAGE

DESIGN · SOIL IMPROVEMENT

Foundation Engineering







Pile, raft, and shallow foundation design; ground improvement strategies; retaining structures; and specialist geotechnical engineering for demanding Kuwaiti ground conditions — every design backed by our in-house laboratory data and signed off by senior chartered engineers.



Since 2004 · Eurocode 7 & BS 8004 · ACI 318 · PLAXIS 2D/3D · Chartered engineers

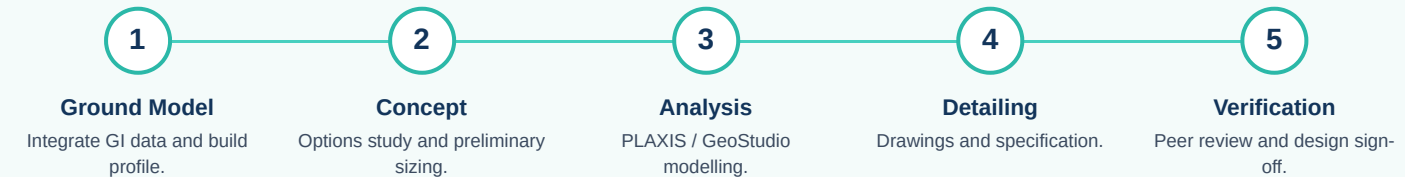
Foundations that engineers can sign with confidence.

Vision International provides specialist **geotechnical design** to developers, EPC contractors, and consulting engineers — delivering pile, raft, and shallow foundation solutions, soil-improvement strategies, retaining structures, and complex soil-structure interaction analysis. Every design is calibrated to Kuwaiti ground conditions using our **in-house ISO 17025 laboratory data**, analysed in licensed PLAXIS 2D/3D and GeoStudio, and reviewed by senior chartered geotechnical engineers before release.

 <p>Pile Foundations</p> <p>Bored, driven, CFA, and micropile design with axial, lateral, and settlement analysis per Eurocode 7.</p>	 <p>Raft & Shallow</p> <p>Raft, strip, pad, and combined piled-raft foundations with bearing capacity and settlement checks.</p>	 <p>Ground Improvement</p> <p>Dynamic compaction, vibro stone columns, jet grouting, permeation grouting, and deep soil mixing.</p>
 <p>Retaining Structures</p> <p>Sheet-pile, diaphragm wall, secant pile, soldier pile, and anchored-wall design for deep excavations.</p>	 <p>Slope Stability</p> <p>Limit equilibrium (Bishop, Janbu, Morgenstern) and finite-element analysis for embankments and cuts.</p>	 <p>Seismic & Dynamic</p> <p>Site response analysis, liquefaction screening, and foundation-dynamics analysis per Eurocode 8.</p>

HOW WE WORK

From Ground Model to Signed Design



Difficult ground conditions on your project?

Senior chartered engineer review within 5 working days · Design-build or design-only scopes.

+965 2372 4325
info@visionkuwait.com

Full Foundation Design & Soil Improvement Offering

Eurocode 7 · BS 8004

ACI 318

PLAXIS & GeoStudio

Chartered Engineer Sign-off

FOUNDATION DESIGN

- Pile foundations (bored, driven, CFA, micropile)
- Raft and combined piled-raft design
- Strip, pad, and shallow spread footings
- Pile load test supervision and interpretation
- Laterally loaded pile analysis (L-pile)
- Scour and erosion protection design
- Design per Eurocode 7, BS 8004, ACI 318

GROUND IMPROVEMENT

- Dynamic compaction design
- Stone columns and vibro-replacement
- Jet grouting and permeation grouting
- Preloading and vertical drains (PVD)
- Deep soil mixing (DSM)
- Compaction grouting and micropile networks
- Instrumented verification of improvement

RETAINING SYSTEMS

- Sheet pile and soldier pile walls
- Diaphragm walls and secant piles
- Anchored and strutted excavations
- MSE walls and reinforced slopes
- Soldier pile and lagging systems
- Dewatering design and monitoring
- Construction sequence modelling

SPECIALIST ANALYSIS

- Slope stability (Bishop, Janbu, Morgenstern)
- Finite element analysis (PLAXIS 2D/3D)
- Liquefaction and seismic site response
- Soil-structure interaction (SSI)
- Settlement prediction and monitoring
- Numerical modelling peer review
- Expert witness and dispute support

The Vision Difference — Why Clients Choose Us



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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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Al-Hashan Commercial Complex
Fahaheel, Kuwait
P.O. Box 46033, Fahaheel 46155

CONTACT · MANAGEMENT

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Eid N. H. Aladwani

General Manager
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INFRASTRUCTURE · DESIGN ENGINEERING

Infrastructure Design Engineering







Sewerage, storm-water, water-supply, and road network design — InfoWorks ICM, SewerGEMS, and SWMM modelling for Kuwait Municipality, MPW, and PAHW programmes.

InfoWorks ICM · SewerGEMS · SWMM 5 · MPW & PAHW Aligned



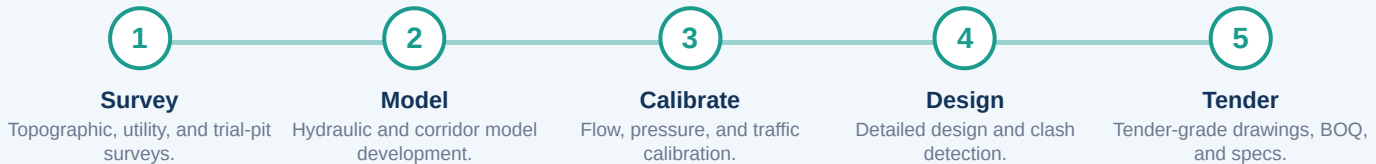
Networks engineered for the next 50 years.

Vision International delivers infrastructure design engineering for utility networks across Kuwait — sewerage and pump-station design for MPW, storm-water master plans for Kuwait Municipality, water-supply expansions for MEW, and road-corridor design for PAHW housing programmes. Our team operates InfoWorks ICM, SewerGEMS, and SWMM 5 — calibrated against historical rainfall and inflow-and-infiltration data — and integrates designs with our in-house geotechnical and survey functions to deliver fully constructible drawings on the first revision.

 <p>Sewerage Design Gravity sewer, force main, and pump-station design — InfoWorks ICM and SewerGEMS hydraulic modelling.</p>	 <p>Storm-Water Master Plans SWMM 5 catchment modelling, design-storm analysis, and SuDS integration — Kuwait Municipality compliant.</p>	 <p>Water Supply Networks Distribution main sizing, pressure-zone analysis, and reservoir design — Bentley WaterCAD/GEMS.</p>
 <p>Road Corridor Design Geometric design, pavement design, and intersection layouts — AutoCAD Civil 3D and PTV Vissim integration.</p>	 <p>Hydraulic Calibration Network calibration against flow and pressure monitoring data — defensible design assumptions.</p>	 <p>Construction Drawings Tender-grade drawings, BOQs, and specifications — MPW, MEW, and PAHW format compliance.</p>

HOW WE WORK

From Master Plan to Tender Drawings



Master plan, redesign, or tender package?
InfoWorks, SWMM, and Civil 3D integrated workflow · MPW / MEW / PAHW format-ready · 4-week pilot package.

+965 2372 4325
info@visionkuwait.com

Full Infrastructure Design Service Offering

MPW Approved

MEW Compatible

PAHW Aligned

Bentley & Autodesk

WASTEWATER & DRAINAGE

- Gravity sewer hydraulic design
- Force-main and pump-station design
- Sewer rehabilitation prioritisation
- Inflow-and-infiltration studies
- Storm-water catchment modelling
- Detention and retention basin design
- SuDS and green-infrastructure integration

WATER SUPPLY

- Distribution-main sizing
- Pressure-zone optimisation
- Storage reservoir design
- Booster-station hydraulic design
- Fire-flow and demand analysis
- Network-leak prioritisation

ROADS & MOBILITY

- Geometric road design
- Intersection and roundabout design
- Pavement structural design
- Drainage and curb design
- Traffic micro-simulation (Vissim)
- Sustainable transport integration

DELIVERABLES

- Hydraulic and traffic models (calibrated)
- Tender-grade drawings (MPW/MEW)
- BOQs and specifications
- Engineering design reports
- GIS network and asset packages
- Engineer-signed deliverables

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Infrastructure

Marine & Ports

Buildings & Towers

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Government

2004

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PROJECTS DELIVERED

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ISO CERTIFICATIONS

Kuwait

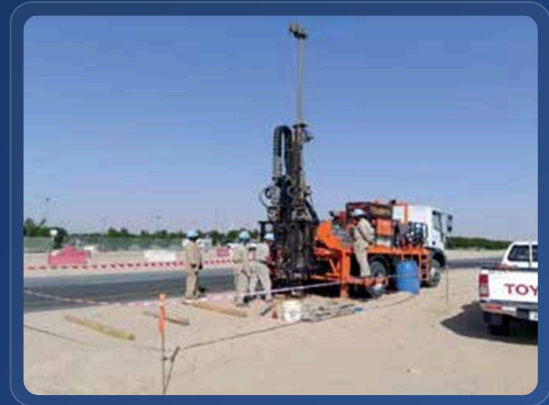
& GCC COVERAGE

HYDROGEOLOGY · GROUNDWATER ENGINEERING

Hydrogeology & Groundwater Engineering







Aquifer testing, MODFLOW and FEFLOW numerical modelling, well-field design, and contaminant-transport simulation — supporting MEW, oil and gas, and industrial groundwater programmes.

MODFLOW Modelling · FEFLOW Modelling · Aquifer Testing · Contaminant Transport



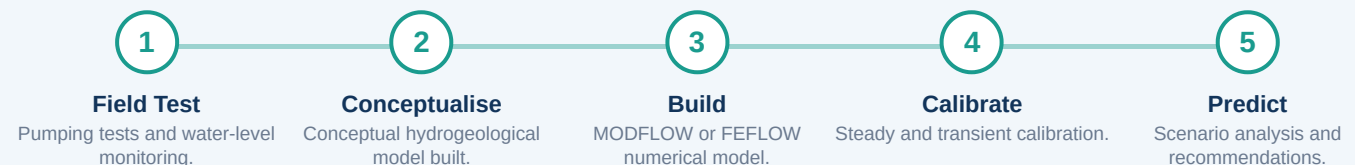
Engineering the aquifer.

Vision International provides specialist hydrogeology and groundwater-engineering services — characterising aquifers from Kuwait Group through Damman and into the deep Umm Radhuma, building MODFLOW and FEFLOW numerical models calibrated to long-term water-level data, designing well fields for MEW production and dewatering for major excavations, and simulating contaminant transport for industrial and KEPA-driven studies. Every model is built by chartered hydrogeologists and validated against Vision-collected field data — never copied from desk-study assumptions.

 <p>Aquifer Testing</p> <p>Constant-rate, step-drawdown, and recovery testing — Theis, Cooper-Jacob, and Hantush analyses.</p>	 <p>MODFLOW Modelling</p> <p>Regional groundwater-flow modelling — Visual MODFLOW Flex with calibration and uncertainty analysis.</p>	 <p>FEFLOW Modelling</p> <p>Density-dependent and unsaturated-zone modelling — saltwater intrusion and complex hydrogeology.</p>
 <p>Well-Field Design</p> <p>Production-well-field optimisation, capture-zone analysis, and sustainable-yield assessment.</p>	 <p>Contaminant Transport</p> <p>MT3DMS and MODPATH contaminant fate-and-transport modelling — risk-based corrective action.</p>	 <p>Hydrogeological Reports</p> <p>KEPA, MEW, and EPA-format hydrogeological reports — chartered hydrogeologist signed.</p>

HOW WE WORK

From Aquifer Test to Calibrated Model



Well-field, dewatering, or contamination study?
 Field-validated hydrogeology · MODFLOW and FEFLOW expertise · Chartered hydrogeologist on every project.

+965 2372 4325
 info@visionkuwait.com

Full Hydrogeology Service Offering

MODFLOW Expert

FEFLOW Expert

KEPA-Aligned

MEW Compatible

FIELD HYDROGEOLOGY

- Constant-rate aquifer pumping tests
- Step-drawdown well-efficiency tests
- Slug tests and Bouwer-Rice analysis
- Packer tests for fractured rock
- Water-level and barometric monitoring
- Tracer testing (dye and solute)
- Groundwater geochemistry sampling

NUMERICAL MODELLING

- Regional MODFLOW flow modelling
- Local-scale MODFLOW dewatering models
- FEFLOW unsaturated-zone modelling
- FEFLOW saltwater-intrusion modelling
- MT3DMS contaminant transport
- MODPATH particle-tracking and capture zones

WELL-FIELD ENGINEERING

- Production-well-field optimisation
- Sustainable-yield assessment
- Capture-zone delineation
- Aquifer storage and recovery (ASR) design
- Saltwater intrusion management
- Dewatering well-field design

REPORTING & ADVISORY

- Conceptual hydrogeological models
- Numerical model calibration reports
- Long-term yield and trend reports
- KEPA Phase II ESA hydrogeology
- Risk-based corrective action plans
- Chartered-hydrogeologist signoff

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 oil & gas, MPW, KOC, and EPC schedules — every time.

Sectors We Serve

Ministry of
Electricity &
Water

Oil & Gas

Mining

Industrial

Environmental
Agencies

EPC
Contractors

2004

ESTABLISHED

2000+

PROJECTS DELIVERED

4

ISO CERTIFICATIONS

Kuwait

& GCC COVERAGE

PAVEMENT ENGINEERING · ASSET MANAGEMENT

Pavement Engineering & Road Assets

Falling-weight and heavy-weight deflectometer testing, airport PCN evaluation, and road-asset management systems — for MPW, MOI, DGCA, and municipal road authorities.







FWD / HWD Testing · Airport PCN ·

Road Asset Management · AASHTO 1993 / Mechanistic



Roads and runways — engineered, tested, managed.

Vision International operates a Dynatest FWD/HWD fleet — supporting structural pavement evaluation across Kuwait's road network for MPW, airport runway PCN reporting for DGCA, and road-asset management programmes for municipal authorities. We deliver back-calculated layer moduli, remaining structural life, overlay-design recommendations, and full asset-management dashboards — integrating FWD, IRI roughness, and visual condition data into a single decision-support framework that turns routine inspection into prioritised investment.

 <p>FWD / HWD Testing Dynatest 8002 FWD and HWD testing — back-calculated layer moduli for AASHTO and mechanistic design.</p>	 <p>Airport PCN Evaluation ICAO-aligned ACN-PCN evaluation, runway structural assessment — DGCA and aerodrome submittal.</p>	 <p>Roughness & IRI ARRB walking profiler and inertial profilometer — IRI roughness and PSI condition surveys.</p>
 <p>Pavement Condition Automated and manual distress surveys — PCI calculation and ASTM D6433 compliance.</p>	 <p>Asset Management System Pavement management system implementation — Deighton, AgileAssets, and custom dashboards.</p>	 <p>Overlay Design Mechanistic-empirical overlay design (Pavement-ME) and AASHTO 1993 — extended pavement life.</p>

HOW WE WORK

From Network Survey to Investment Plan

1

Inventory

Network inventory and segmentation.

2

Test

FWD, IRI, and condition surveys.

3

Analyse

Back-calculation and PCI scoring.

4

Plan

Multi-year prioritised investment plan.

5

Implement

PMS dashboard handover and training.

Pavement, runway, or asset-management programme?

FWD fleet · ICAO-aligned PCN · Asset management dashboards · Engagement within 5 working days.

+965 2372 4325
info@visionkuwait.com

Full Pavement Engineering Offering

Dynatest FWD

ICAO-Aligned

AASHTO 1993

Pavement-ME

STRUCTURAL TESTING

- Falling-Weight Deflectometer (FWD)
- Heavy-Weight Deflectometer (HWD)
- Back-calculation (ELMOD, EVERCALC)
- Layer-moduli profiling
- Remaining structural life
- Pavement-ME mechanistic design
- AASHTO 1993 design and overlay

FUNCTIONAL TESTING

- International Roughness Index (IRI)
- Mean Profile Depth (MPD)
- Skid resistance (BPT, SCRIM)
- Friction and texture testing
- Visual distress (PCI per ASTM D6433)
- Rut depth and macrotexture surveys

AIRPORT PAVEMENTS

- ACN-PCN evaluation (ICAO Doc 9981)
- Runway and taxiway structural assessment
- Apron and stand structural studies
- FAA / DGCA-aligned reporting
- Pavement strength rating reviews
- Aerodrome maintenance plans

ASSET MANAGEMENT

- Pavement management system setup
- Deighton and AgileAssets implementation
- Multi-year investment optimisation
- Network-level performance models
- GIS-based road-asset dashboards
- Performance-based contract advisory

The Vision Difference — Why Clients Choose Us



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



Engineer-Led Reports

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Schedule-Driven

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

Sectors We Serve

Ministry of Public Works

Aerodromes / DGCA

Municipalities

Industrial Estates

Oil & Gas Logistics

Government

2004

ESTABLISHED

2000+

PROJECTS DELIVERED

4

ISO CERTIFICATIONS

Kuwait

& GCC COVERAGE

COASTAL · MARINE ENGINEERING

Coastal Engineering & Shore Protection







Coastal-erosion analysis, breakwater design, sediment-transport modelling, and port engineering — supporting Kuwait's coastline and major regional port and reclamation programmes.

MIKE 21 / Delft3D · Breakwater Design · Port Engineering · Reclamation Studies



Where land meets sea — engineered.

Vision International delivers specialist coastal engineering — wave and current modelling with DHI MIKE 21 and Delft3D, breakwater and revetment design, sediment-transport studies for harbour entrances, port-terminal design, and reclamation engineering for industrial and tourism projects. We integrate hydrographic survey data from our own multibeam-equipped Vision NAYA jack-up barge with desk-study metocean climates to produce design wave heights, return-period storm analyses, and shore-protection designs grounded in measured Gulf data.

 <p>Wave & Current Modelling MIKE 21, Delft3D, and SWAN wave modelling — design wave heights and storm return-period analysis.</p>	 <p>Breakwater Design Rubble-mound, caisson, and composite breakwater design — Hudson, van der Meer, and Goda methods.</p>	 <p>Port & Harbour Engineering Quay-wall, jetty, and berth design — including ship-mooring and fender analysis.</p>
 <p>Bathymetric Surveys Multibeam echo-sounder surveys from Vision NAYA — IHO Special Order accuracy.</p>	 <p>Coastal Erosion Studies Long-term shoreline change analysis, sediment-budget studies, and beach-nourishment design.</p>	 <p>Reclamation Engineering Reclamation cell design, fill-source studies, and ground-improvement integration.</p>

HOW WE WORK

From Hindcast to Constructed Defence



Marina, port, breakwater, or shoreline programme?
Owned hydrographic survey vessel · Recognised software stack · Integrated geotechnical lab. Engagement within 1 week.

+965 2372 4325
info@visionkuwait.com

Full Coastal Engineering Service Offering

DHI MIKE 21

Delft3D

Vision NAYA Barge

IHO S-44

HYDRODYNAMIC MODELLING

- MIKE 21 wave and flow modelling
- Delft3D 3D coupled modelling
- SWAN spectral wave modelling
- Storm-surge and return-period analysis
- Tidal and current modelling
- Climate-change scenario integration
- Metocean design-criteria reports

STRUCTURAL DESIGN

- Rubble-mound breakwater design
- Caisson and composite breakwater
- Revetment and seawall design
- Quay-wall and jetty design
- Berth and dolphin design
- Fender and mooring analysis

SEDIMENT & MORPHOLOGY

- Sediment-transport modelling (CMS-Wave)
- Beach-nourishment design
- Long-term shoreline analysis
- Sediment-budget studies
- Tidal-flat and estuary studies
- Dredging studies and disposal site design

FIELD & ADVISORY

- Multibeam bathymetric surveys
- Side-scan sonar imaging
- Sub-bottom profiling
- Wave-buoy and ADCP deployment
- Vibration and noise underwater
- Construction-phase advisory

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 oil & gas, MPW, KOC, and EPC schedules — every time.

Sectors We Serve

Ports & Harbours

Tourism Developers

Reclamation Programmes

Naval & Defence

Government

Industrial Marine

2004

ESTABLISHED

2000+

PROJECTS DELIVERED

4

ISO CERTIFICATIONS

Kuwait

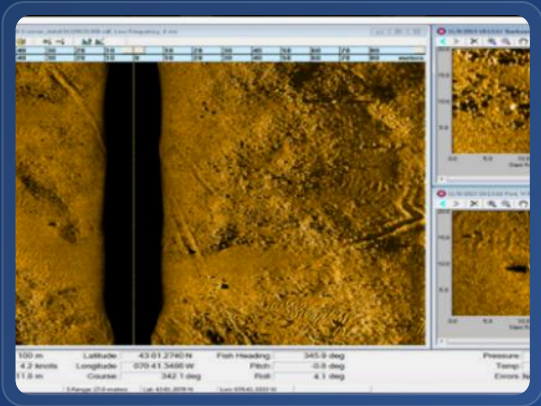
& GCC COVERAGE

EARTHQUAKE · SEISMIC HAZARD

Earthquake Engineering & Seismic Hazard







Site-specific seismic hazard, response spectra, Vs30 site classification, and seismic retrofit design — for code-compliant design under IBC, Saudi Code, and ASCE 7.

Vs30 Classification · Site-Specific Spectra · PSHA Analysis · Retrofit Design



Code compliance for the ground that moves.

Vision International conducts site-specific seismic-hazard analyses, Vs30 measurement campaigns, and earthquake-engineering retrofits across the Gulf — for code-compliant design to ASCE 7, IBC, the Saudi Building Code, and Kuwait's seismic provisions. We perform deterministic and probabilistic seismic-hazard analyses (DSHA / PSHA), measure shear-wave velocity profiles using MASW and downhole methods, develop site-specific response spectra, and deliver retrofit designs for non-conforming buildings — supported by chartered seismic engineers with regional fault-database expertise.

 <p>Site-Specific Hazard Deterministic (DSHA) and probabilistic (PSHA) seismic-hazard analyses — regional fault databases.</p>	 <p>Vs30 Measurement MASW, ReMi, and downhole shear-wave velocity profiling — IBC site-class assignment.</p>	 <p>Response Spectra Site-specific design and MCE response spectra — for high-rise, critical, and essential facilities.</p>
 <p>Liquefaction Assessment CPT and SPT-based liquefaction-triggering analysis — Idriss-Boulanger, Robertson, and Cetin frameworks.</p>	 <p>Retrofit Design FEMA-aligned seismic retrofit — for hospitals, schools, and existing high-rise structures.</p>	 <p>Code Compliance Reports ASCE 7, IBC, Saudi Code, Kuwait code compliance — chartered-engineer signed.</p>

HOW WE WORK

From Site Investigation to Retrofit Design



Critical facility, high-rise, or retrofit?
Chartered seismic engineers · Regional fault-database access · Code-compliant design and retrofit deliverables.

+965 2372 4325
info@visionkuwait.com

Full Earthquake Engineering Service Offering

IBC / ASCE 7

Saudi Building Code

Kuwait Code

FEMA-Aligned

SITE CHARACTERISATION

- MASW shear-wave velocity profiling
- ReMi (refraction microtremor) surveys
- Downhole shear-wave velocity
- Crosshole shear-wave velocity
- Vs30 calculation and IBC site class
- H/V (Nakamura) ambient noise
- Resonant column and bender element

HAZARD ANALYSIS

- Probabilistic seismic-hazard analysis (PSHA)
- Deterministic seismic-hazard analysis (DSHA)
- Regional fault database review
- Ground-motion prediction equations (GMPE)
- Hazard de-aggregation
- Site-specific design spectra

GEOTECHNICAL SEISMIC

- Liquefaction-triggering analysis
- Lateral-spread and ground-failure
- Cyclic mobility assessment
- Site-response analysis (SHAKE2000)
- Pile group seismic analysis
- Seismic earth-pressure analysis

STRUCTURAL & RETROFIT

- Seismic vulnerability assessments
- Pushover and time-history analysis
- FEMA P-58 performance assessment
- Retrofit option studies
- Base-isolation feasibility
- Engineer-signed code-compliance reports

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 oil & gas, MPW, KOC, and EPC schedules — every time.

Sectors We Serve

High-Rise
Developers

Critical
Facilities

Hospitals &
Schools

Oil & Gas
Storage

Government

Insurance

2004

ESTABLISHED

2000+

PROJECTS DELIVERED

4

ISO CERTIFICATIONS

Kuwait

& GCC COVERAGE

FIRE SAFETY · ENGINEERING

Fire Safety Engineering







NFPA-based fire-safety design review, CFD smoke modelling, and evacuation analysis — KFSD-aligned for Kuwait commercial, industrial, and high-rise developments.

NFPA 101 / 5000 · KFSD Aligned · FDS / Pyrosim CFD · Pathfinder Egress



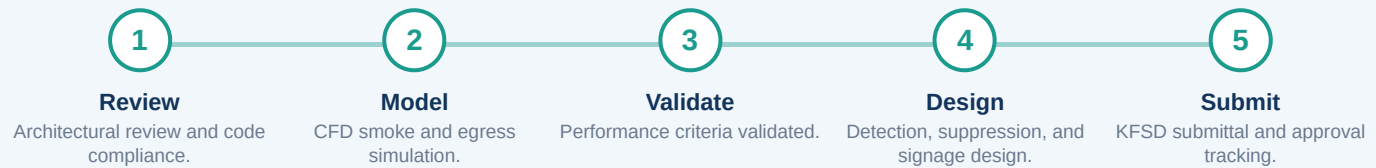
Design for the worst case. Plan for the safest exit.

Vision International delivers performance-based fire-safety engineering for high-rise buildings, mixed-use complexes, industrial facilities, and oil-and-gas terminals across Kuwait and the GCC — combining NFPA code review, CFD smoke modelling with FDS / Pyrosim, and agent-based evacuation simulation in Pathfinder. Our fire-safety designs are aligned with KFSD requirements, accepted for Kuwait Municipality permitting, and signed by chartered fire engineers with multi-jurisdiction experience.

 <p>NFPA Code Review</p> <p>NFPA 101, 5000, 13, 20, and 72 design review — gap analysis against Kuwait KFSD requirements.</p>	 <p>CFD Smoke Modelling</p> <p>Fire Dynamics Simulator (FDS) and Pyrosim — atrium, tunnel, and large-volume smoke modelling.</p>	 <p>Evacuation Analysis</p> <p>Pathfinder agent-based egress simulation — verification of total egress time and bottleneck mitigation.</p>
 <p>Performance-Based Design</p> <p>Performance-based design alternatives — for unique geometry not covered by prescriptive code.</p>	 <p>Hazard Analysis</p> <p>Industrial fire-hazard and consequence analysis — for refineries, tank farms, and process plants.</p>	 <p>KFSD Submittals</p> <p>KFSD-format submittal packages — chartered fire-engineer signed and approval-tracked.</p>

HOW WE WORK

From Concept Permit to KFSD Approval



High-rise, atrium, tunnel, or industrial development?

Chartered fire engineers · NFPA / KFSD expertise · CFD modelling capability · Permit-ready submittals.

+965 2372 4325
info@visionkuwait.com

Full Fire Safety Engineering Offering

NFPA Compliant

KFSD Aligned

FDS Modelling

Pathfinder Egress

CODE COMPLIANCE

- NFPA 101 Life Safety Code review
- NFPA 5000 Building Code review
- NFPA 13 Sprinkler design review
- NFPA 20 Fire-pump design review
- NFPA 72 Detection & Alarm review
- KFSD requirement mapping
- Kuwait Municipality permit alignment

CFD SMOKE MODELLING

- FDS / Pyrosim CFD simulation
- Atrium and high-rise smoke modelling
- Tunnel smoke and ventilation modelling
- Underground / metro smoke control
- Stairwell pressurisation analysis
- Smoke-control system verification

EGRESS & PERFORMANCE

- Pathfinder agent-based egress
- Total egress time validation
- Bottleneck and chokepoint analysis
- Performance-based design alternatives
- Travel-distance and dead-end analysis
- Phased and sequential egress

INDUSTRIAL & SPECIALTY

- Refinery and process-plant analysis
- LNG and tank-farm consequence
- Pool-fire and jet-fire modelling
- Explosion overpressure analysis
- Foam and gaseous-suppression design
- Engineer-signed KFSD submittals

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

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Schedule-Driven

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

Sectors We Serve

High-Rise
Developers

Mixed-Use
Complexes

Industrial / Oil
& Gas

Hospitals &
Healthcare

Education

Government

2004

ESTABLISHED

2000+

PROJECTS DELIVERED

4

ISO CERTIFICATIONS

Kuwait

& GCC COVERAGE

STRUCTURAL · CONDITION ASSESSMENT

Structural Assessment







Non-destructive testing, load testing, and structural condition assessment for existing buildings, bridges, marine structures, and industrial plants across Kuwait — combining visual inspection, instrumented NDT, and finite-element analysis to quantify residual capacity.



Since 2004 · BS EN 1504 · ACI 562 · FIB 42 · NDT Level II / III · Forensic specialists

Know what's holding your structure up — before it fails.

Vision International provides owners, facility managers, and insurers with **structural condition assessment** services for aging buildings, damaged structures, and change-of-use approvals. Our assessments combine detailed visual inspection, NDT (UPV, rebound hammer, GPR, cover meter, half-cell potential), instrumented load testing, and **finite-element analysis in ETABS, SAP2000, and ANSYS** to quantify residual capacity, identify root causes of defects, and define targeted repair and strengthening interventions to **BS EN 1504, ACI 562, and FIB 42**.

 <p>Visual Inspection</p> <p>Detailed condition surveys with crack, deflection, corrosion, and defect mapping per BS EN 1504.</p>	 <p>Non-Destructive Testing</p> <p>UPV, rebound hammer (Schmidt), GPR, cover meter, and half-cell potential surveys by NDT Level II/III.</p>	 <p>Load Testing</p> <p>Instrumented static and dynamic load tests on beams, slabs, trusses with deflection and strain monitoring.</p>
 <p>Structural Analysis</p> <p>Finite element modelling in ETABS, SAP2000, and ANSYS for residual capacity and change-of-use evaluation.</p>	 <p>Forensic Assessment</p> <p>Root-cause investigation of cracks, collapses, service failures, and construction disputes.</p>	 <p>Repair & Strengthening</p> <p>Design of CFRP strengthening, section enlargement, steel jacketing, and structural repair interventions.</p>

HOW WE WORK

From Inspection to Strengthening Design



Concerns about an aging or damaged structure?

Senior structural assessor engaged within one week · Confidential reports for owners, insurers, and courts.

+965 2372 4325
info@visionkuwait.com

Full Structural Assessment Offering

BS EN 1504

ACI 562 · FIB 42

NDT Level II/III Certified

Chartered Engineer Reports

CONDITION ASSESSMENT

- Detailed visual surveys and defect mapping
- Crack monitoring and deflection recording
- Corrosion survey and carbonation depth
- Moisture and chloride ingress profiles
- Owner-friendly condition reports
- Change-of-use structural certification
- Post-earthquake damage assessment

NON-DESTRUCTIVE TESTING

- Ultrasonic Pulse Velocity (UPV)
- Rebound hammer (Schmidt) testing
- Ground Penetrating Radar (GPR) on concrete
- Cover meter and rebar mapping
- Half-cell potential corrosion survey
- Impact-echo and infrared thermography
- Ultrasonic pulse-echo and pachometer

LOAD & FIELD TESTING

- Static and dynamic load tests
- Proof testing to design load
- Deflection, strain, and tilt monitoring
- Wireless instrumentation and dataloggers
- Pile integrity testing (PIT, CHA)
- Witness and certification services
- Long-term structural health monitoring

ANALYSIS & DESIGN

- Finite element modelling (ETABS, SAP2000, ANSYS)
- Residual capacity evaluation to ACI 562
- Seismic vulnerability assessment
- CFRP strengthening design
- Steel jacketing and section enlargement
- Structural repair specification (BS EN 1504)
- Expert witness and forensic reporting

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

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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

Office 17, 1st Floor, South Tower
Al-Hashan Commercial Complex
Fahaheel, Kuwait
P.O. Box 46033, Fahaheel 46155

CONTACT · MANAGEMENT

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www.visionkuwait.com

Eid N. H. Aladwani

General Manager
eid@visionkuwait.com

DILAPIDATION · PRE-CONSTRUCTION

Pre-Construction & Dilapidation Surveys







Pre-construction condition surveys aligned with Kuwait Municipality requirements, insurance documentation, and party-wall protection — defending owners and contractors against post-construction claims.

- Municipality Aligned
- Insurance Documentation
- Party Wall Protection
- Court-Defensible



Document the existing. Defend the build.

Vision International conducts independent pre-construction and dilapidation surveys aligned with Kuwait Municipality permit requirements — protecting contractors, developers, and adjacent property owners from post-construction claims. We document existing condition with high-resolution photography, 3D laser scans, crack-monitoring instrumentation, and structural-vulnerability classification — producing court-defensible reports that have stood up to dispute resolution and arbitration across the Gulf for over two decades.

 <p>3D Laser Scan Surveys Trimble X9 and Leica RTC360 documentation of existing condition — pre-construction baseline.</p>	 <p>Detailed Photographic Surveys High-resolution photo-documentation of every elevation, joint, crack, and finish — geotagged.</p>	 <p>Crack Monitoring Crackmeter and tell-tale installation — pre, during, and post-construction monitoring.</p>
 <p>Vulnerability Assessment Structural vulnerability classification per BRE Digest 251 — risk-based mitigation planning.</p>	 <p>Court-Defensible Reports Reports structured for arbitration and dispute resolution — chartered-engineer signed.</p>	 <p>Party-Wall Surveys Boundary, party-wall, and right-of-light surveys — for adjacent-owner agreements.</p>

HOW WE WORK

From Permit Trigger to Defensible Archive



Permit issued? Adjacent owners concerned?
Court-defensible documentation · 3D scan plus crack monitoring · Within 5 working days of notification.

+965 2372 4325
info@visionkuwait.com

Full Dilapidation Survey Service Offering

Municipality Aligned

BRE Digest 251

Court-Defensible

Chartered Engineer Signed

PRE-CONSTRUCTION SURVEYS

- External and internal condition surveys
- Crack-pattern documentation
- Settlement, lean, and verticality measurements
- Finish, joint, and movement-joint condition
- Drainage and roof-condition surveys
- MEP and lift-shaft condition
- Public-realm and pavement condition

DOCUMENTATION METHODS

- High-resolution geotagged photography
- 3D laser scan baseline
- Drone aerial documentation
- Hand-measured crack mapping
- BIM / CAD reference drawings
- Sealed digital archive deliverables

MONITORING DURING WORKS

- Tell-tale crack monitoring
- Vibrating-wire crackmeters
- Tilt-meter and inclinometer monitoring
- Settlement-pin networks
- Vibration monitoring (DIN 4150)
- Real-time alarm thresholds

REPORTING & DISPUTE

- Pre-construction baseline reports
- Periodic monitoring reports
- Post-construction reconciliation reports
- Damage-classification per BRE 251
- Expert-witness reports for arbitration
- Engineer-signed deliverables

The Vision Difference — Why Clients Choose Us



Integrated Delivery

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Engineer-Led Reports

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Schedule-Driven

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

Sectors We Serve

Developers & Contractors

Adjacent Property Owners

Insurance Companies

Legal & Arbitration

Government

Heritage Properties

2004

ESTABLISHED

2000+

PROJECTS DELIVERED

4

ISO CERTIFICATIONS

Kuwait

& GCC COVERAGE

CATHODIC PROTECTION · CORROSION

Cathodic Protection & Corrosion Engineering







SACP and ICCP system design, DCVG and CIPS pipeline surveys, AC interference mitigation, and corrosion engineering — for KOC, KNPC, and the Gulf oil-and-gas pipeline network.

NACE Certified · SACP / ICCP Design · DCVG / CIPS Surveys · AC Interference Studies



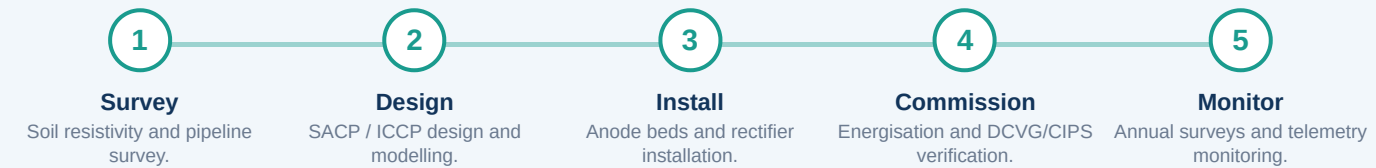
Stop corrosion before it stops your assets.

Vision International delivers cathodic-protection and corrosion-engineering services across the Gulf upstream and pipeline sector — supporting KOC, KNPC, and Saudi Aramco asset-integrity programmes. We design sacrificial-anode (SACP) and impressed-current (ICCP) systems for pipelines, storage tanks, and onshore plant; conduct DCVG and CIPS pipeline-coating surveys with NACE-certified surveyors; analyse AC interference from HVAC corridors; and integrate cathodic-protection telemetry into asset-integrity dashboards. Our team holds NACE CP3 and CP4 certification.

 <p>SACP Design Sacrificial-anode CP design for pipelines, tanks, and offshore structures — magnesium, zinc, and aluminium.</p>	 <p>ICCP Design Impressed-current CP design for high-current applications — pipelines, plant, and storage facilities.</p>	 <p>DCVG Pipeline Surveys Direct Current Voltage Gradient surveys — pinpointing coating defects on buried pipelines.</p>
 <p>CIPS Pipeline Surveys Close-Interval Potential Surveys — verifying CP coverage along entire pipeline lengths.</p>	 <p>AC Interference Studies AC mitigation design for pipelines paralleling HVAC corridors — IEEE 80 and CSA C22.3.</p>	 <p>CP Monitoring & Telemetry Remote CP monitoring with cellular telemetry — integrated into asset-integrity dashboards.</p>

HOW WE WORK

From Coupon to Comprehensive CP Plan



Pipeline integrity, tank CP, or AC interference?
NACE-certified team · Owned survey equipment · Integrated CP design and field execution. Engagement within 1 week.

+965 2372 4325
info@visionkuwait.com

Full Cathodic Protection Service Offering

NACE CP3 / CP4

ISO 15589

BS 7361

DNV-RP-B401

CP SYSTEM DESIGN

- Sacrificial-anode CP for pipelines
- Sacrificial-anode CP for tanks and vessels
- Impressed-current CP for pipelines
- Impressed-current CP for plant and storage
- Offshore CP design (DNV-RP-B401)
- Anode bed and groundbed design
- Rectifier sizing and selection

CP SURVEYS

- Direct Current Voltage Gradient (DCVG)
- Close-Interval Potential Survey (CIPS)
- Pearson surveys for coating defects
- Tank-bottom potential gradient surveys
- Soil resistivity surveys (Wenner)
- Coupon and ER probe corrosion monitoring

AC & STRAY CURRENT

- AC interference modelling (CDEGS)
- AC mitigation design (mats, gradient control)
- Stray-current surveys
- DC traction-system interference studies
- Earth electrode and grounding design
- Shock and step-potential studies

MONITORING & ADVISORY

- Remote CP monitoring with telemetry
- Annual CP surveys per ISO 15589
- CP commissioning and energisation
- Failure-mode root-cause analysis
- Coating-life and remaining-life studies
- NACE-engineer signed reports

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 oil & gas, MPW, KOC, and EPC schedules — every time.

Sectors We Serve

Oil & Gas
Pipelines

Refineries &
Petrochem

Power Utilities

Marine &
Offshore

Water &
Sewage

Gas
Distribution

2004

ESTABLISHED

2000+

PROJECTS DELIVERED

4

ISO CERTIFICATIONS

Kuwait

& GCC COVERAGE

SHOP DRAWINGS · CONSTRUCTION DOCS

Shop Drawings & Construction Docs







Civil, structural, and MEP shop drawings, clash detection, and as-built documentation — turning consultant designs into site-ready, contractor-friendly construction packages.

Revit / AutoCAD · Navisworks Clash Detection · BIM 360 · ISO 19650



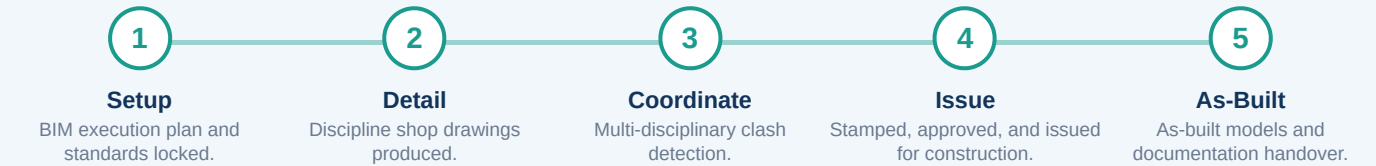
From design intent to site-ready details.

Vision International produces shop drawings, fabrication packages, and clash-detection services for civil, structural, and MEP scopes across major construction programmes in Kuwait and the GCC. Our BIM team operates Revit, AutoCAD, Navisworks, and BIM 360 — turning consultant design intent into contractor-ready details, fabrication-grade reinforcement layouts, MEP coordination drawings, and as-built documentation that owners can rely on for facility operation. ISO 19650 information-management protocols are followed end-to-end.

 <p>Civil Shop Drawings Substructure, drainage, and roadworks shop drawings — site-ready details and quantity take-offs.</p>	 <p>Structural Detail Drawings Reinforcement, steel-fabrication, and connection detailing — to BS 8666 and AISC standards.</p>	 <p>MEP Coordination Mechanical, electrical, and plumbing coordination drawings — fully BIM-coordinated and clash-free.</p>
 <p>Clash Detection Navisworks clash detection across disciplines — issue-tracked through resolution.</p>	 <p>As-Built Documentation Full as-built CAD and BIM documentation — handover-ready for facility management.</p>	 <p>4D Construction Sequencing 4D construction sequencing in Synchro and Navisworks — visualising the build before mobilisation.</p>

HOW WE WORK

From Design Intent to Construction Closeout



Need shop drawings, BIM coordination, or as-built?
 Revit / AutoCAD / Navisworks integrated workflow · ISO 19650 protocols · Fast-track turnaround.

+965 2372 4325
info@visionkuwait.com

Full Shop Drawing & BIM Service Offering

ISO 19650

Revit / Navisworks

BIM 360

Synchro 4D

CIVIL & STRUCTURAL

- Reinforced-concrete reinforcement detailing
- Steel-fabrication and connection drawings
- Pre-cast element shop drawings
- Substructure and excavation drawings
- Drainage and below-ground services
- Roadworks and pavement details
- Quantity take-off and BOQ extracts

MEP COORDINATION

- HVAC coordination drawings
- Plumbing and drainage drawings
- Electrical containment and routing
- Fire-protection coordination
- ELV and IT containment
- Equipment access and maintenance space

BIM & CLASH MANAGEMENT

- Federated BIM model management
- Navisworks clash detection
- Issue tracking through BIM 360
- ISO 19650 information management
- BIM execution plan authoring
- Asset-information model handover

AS-BUILT & 4D

- As-built CAD documentation
- As-built BIM model production
- Scan-to-as-built validation
- Synchro / Navisworks 4D sequencing
- Construction-progress dashboards
- Handover and FM-ready packages

The Vision Difference — Why Clients Choose Us



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Schedule-Driven

Owned equipment, owned laboratory, owned teams. We hit 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

DIGITAL · AS-BUILT INTELLIGENCE

BIM & 3D Modelling


Scan-to-BIM, point cloud processing, plant modelling, and digital twins — transforming laser-scan data from oil & gas facilities, airports, and industrial plants into accurate 3D models in AVEVA E3D, AutoCAD Plant 3D, and Revit for asset management, engineering, and facilities operations.



Since 2004 · Trimble X7, SX10, TX8 · AVEVA E3D · Plant 3D · Revit & Navisworks · LFM Server

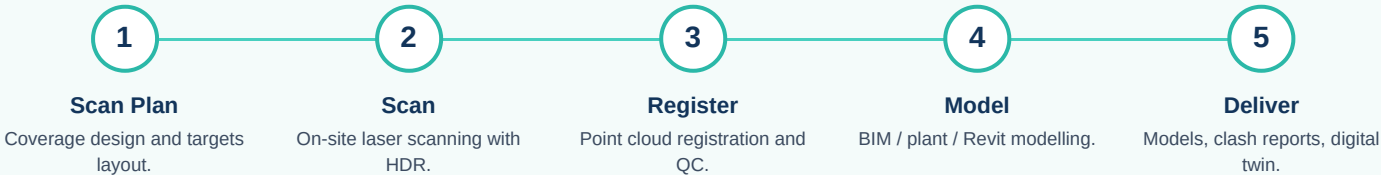
From point cloud to design-ready 3D model.

Vision International provides end-to-end **3D laser scanning and BIM modelling** — using Trimble SX10, X7, and TX8 scanners to capture as-built conditions at KOC, KNPC, KIPIC, and other industrial facilities, then processing the point clouds into accurate deliverables in **AVEVA E3D, AutoCAD Plant 3D, Revit, and Navisworks**. Our BIM team serves owners, EPC contractors, and facilities managers requiring **verticality surveys, tank calibration, shutdown planning, clash detection, retrofitting design, and digital twin** workflows.

 <p>3D Laser Scanning Trimble X7, SX10, SX12, and TX8 — automated registration, HDR imagery, and millimetre accuracy.</p>	 <p>Point Cloud Processing Registration, cleaning, decimation, and delivery in RCP, E57, LAS formats for downstream modelling.</p>	 <p>Plant 3D (AVEVA, Plant 3D) Intelligent plant modelling with pipes, structures, equipment, and instrumentation for O&G facilities.</p>
 <p>Revit & Architectural BIM Revit architectural, structural, and MEP modelling for buildings, airports, and infrastructure projects.</p>	 <p>Verticality & Calibration Tank verticality, silo calibration, and dimensional control for KNPC-grade industrial asset audits.</p>	 <p>Digital Twins Integration of 3D models with real-time sensors, asset databases, and facilities management systems.</p>

HOW WE WORK

From Scan to BIM-ready Asset



Need an accurate as-built 3D model of your facility?

Laser scan campaigns mobilized on 10-day notice · Deliverables in AVEVA E3D, AutoCAD Plant 3D, Revit, Navisworks

+965 2372 4325
info@visionkuwait.com

Full BIM & 3D Modelling Offering

Trimble Laser Scanners

AVEVA E3D Certified

Autodesk Partner

KOC 3D Smart Model

LASER SCANNING

- Trimble X7 indoor & outdoor scanning
- Trimble SX10 / SX12 scanning total station
- Trimble TX8 long-range laser scanner
- Mobile laser scanning (MX9, MX50)
- HDR imagery and colorized point clouds
- Ground control and target deployment
- As-built verification against design

POINT CLOUD PROCESSING

- Trimble Business Center processing
- Trimble RealWorks registration
- AVEVA LFM Server hosting and publishing
- Point cloud decimation and classification
- RCP, E57, LAS, POD format delivery
- Bubble-view panoramas
- Cloud point streaming and collaboration

PLANT & INDUSTRIAL 3D

- AVEVA E3D intelligent plant modelling
- AutoCAD Plant 3D piping and structures
- Equipment and instrumentation catalogues
- Clash detection and design review
- Shutdown and retrofit planning
- KOC 3D smart model integration
- Pipe routing and isometric generation

BIM & DIGITAL TWIN

- Revit architectural BIM
- Revit structural and MEP modelling
- Navisworks coordination and clash
- Scan-to-BIM with LOD200–LOD500
- Dynamic digital twin integrations
- Facility management data linking
- VR/AR visualization of 3D models

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Established 2004 · Kuwait-based · GCC delivery

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Eid N. H. Aladwani

General Manager
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ENVIRONMENTAL · CONTAMINATED LAND

Environmental Characterization







Comprehensive Phase I & Phase II environmental site assessments, contamination delineation, and remediation design for industrial, oil & gas, and legacy sites across Kuwait — defensible findings that stand up to EPA Kuwait, KOC HSE, and lender scrutiny.



Since 2004 · EPA Kuwait aligned · ISO 14001 certified · KOC HSE compliant · ASTM E1527

Characterize the risk before it becomes a liability.

Vision International supports industrial operators, developers, KOC-area contractors, and regulators with comprehensive **environmental due diligence** — from Phase I desktop assessments through full Phase II intrusive investigations (soil, groundwater, soil vapour), human-health and ecological risk assessment, and remediation design. We work to **EPA Kuwait guidelines, ASTM E1527/E1903, BS 10175, and KOC HSE standards** to deliver defensible findings for land transactions, permit renewals, tender support, and legacy-spill closure.

 <p>Phase I ESA Desktop regulatory review, site reconnaissance, and Recognized Environmental Conditions (RECs) per ASTM E1527 and BS 10175.</p>	 <p>Phase II Investigation Intrusive sampling of soil, groundwater, and soil vapour to delineate contamination extent and magnitude.</p>	 <p>Groundwater Quality Monitoring-well networks, low-flow sampling, plume characterization, and long-term monitoring programmes.</p>
 <p>Contaminant Delineation 3D plume modelling using CPT, MIP, and direct-push methods for lateral and vertical delineation.</p>	 <p>Risk Assessment Tier 1 / Tier 2 human-health and ecological risk assessment to site-specific target levels (SSTLs).</p>	 <p>Remediation Design Excavation, bioremediation, SVE, pump-and-treat design with cost modelling and EPA closure reporting.</p>

HOW WE WORK

From Screening to Remediation — One Environmental Team



Land transaction, permit renewal, or legacy spill?

Project scoped within 3 business days · EPA Kuwait and KOC HSE compliant scopes of work

+965 2372 4325
info@visionkuwait.com

Full Environmental & Contaminated Land Offering

EPA Kuwait Aligned

KOC HSE Compliant

ASTM E1527 / E1903

ISO 14001 Certified

SITE ASSESSMENT

- Phase I Environmental Site Assessment (ASTM E1527)
- Phase II intrusive investigation (ASTM E1903)
- Regulatory and historical desktop review
- Site reconnaissance and stakeholder interviews
- Recognized Environmental Conditions (RECs)
- KOC, KNPC, KGOC-area HSE pre-clearance
- Pre-acquisition environmental due diligence

SAMPLING & MONITORING

- Soil, groundwater, and vapour sampling
- Monitoring well installation & development
- Low-flow groundwater sampling (EPA protocol)
- Membrane Interface Probe (MIP) profiling
- Direct-push sampling (Geoprobe)
- Long-term monitoring programmes
- Chain-of-custody protocols

CHARACTERIZATION & RISK

- Contaminant plume delineation
- 3D contaminant modelling
- Tier 1 / Tier 2 risk assessment
- Fate and transport modelling
- Site-specific target levels (SSTLs)
- Vapour intrusion assessment
- Ecological risk screening

REMEDIATION & CLOSURE

- Remediation strategy and feasibility study
- Excavation and ex-situ treatment
- Soil vapour extraction (SVE) design
- Bioremediation and monitored natural attenuation
- Pump-and-treat and permeable reactive barriers
- Remediation oversight and confirmation sampling
- Closure reporting to EPA Kuwait

The Vision Difference — Why Clients Choose Us



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Eid N. H. Aladwani

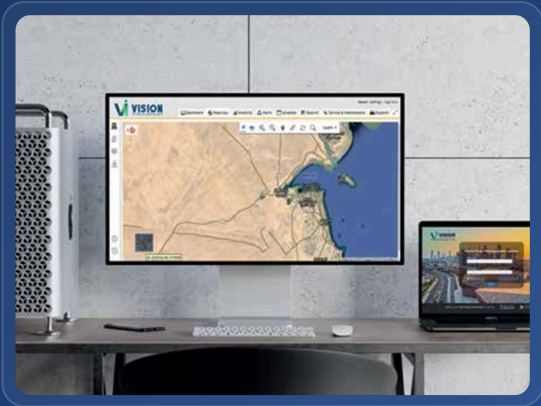
General Manager
eid@visionkuwait.com

ESG · CARBON · SUSTAINABILITY

ESG, Sustainability & Carbon Advisory







Greenhouse-gas inventories, ISSB-aligned sustainability reporting, and net-zero roadmaps — built for Kuwaiti corporates, KOC contractors, and listed Boursa Kuwait issuers.

GHG Protocol · ISSB / IFRS S1·S2 · Scope 1·2·3 · Net-Zero Roadmaps



Carbon disclosures that pass scrutiny — and roadmaps that actually decarbonise.

Vision International delivers end-to-end ESG and decarbonisation advisory for clients exposed to Kuwait's Vision 2035, KOC HSE-MS, and the new IFRS S1/S2 sustainability disclosure requirements. We build defensible Scope 1, 2, and 3 GHG inventories aligned with the GHG Protocol, prepare ISSB-aligned sustainability reports for Boursa Kuwait issuers, and translate ambition into concrete net-zero pathways — quantified, scheduled, and tied to operating budgets — so disclosures and decarbonisation are one programme, not two.

 <p>GHG Inventory Scope 1, 2, and 3 emissions inventory aligned with the GHG Protocol Corporate Standard — verifiable to ISO 14064.</p>	 <p>ISSB Disclosure IFRS S1 and S2 sustainability disclosure preparation — climate risk, governance, strategy, and metrics.</p>	 <p>Net-Zero Roadmaps Science-based abatement curves, decarbonisation levers, and phased CapEx tied to operating plans.</p>
 <p>Climate Risk Physical and transition risk assessment under TCFD — scenario analysis at 1.5°C, 2°C, and 4°C.</p>	 <p>Materiality & Strategy Double-materiality assessment, peer benchmarking, and ESG strategy formulation aligned with Vision 2035.</p>	 <p>Assurance Readiness Data-controls design, audit-trail documentation, and pre-assurance review for limited and reasonable assurance.</p>

HOW WE WORK

From Baseline to Verified Net-Zero Pathway



Boursa Kuwait sustainability deadline approaching?

Disclosure-ready GHG inventory, ISSB report, and net-zero roadmap delivered as one engagement

+965 2372 4325
info@visionkuwait.com

Full ESG, Carbon & Sustainability Service Offering

GHG Protocol

IFRS S1-S2

TCFD

ISO 14064

GHG INVENTORY

- Scope 1 direct emissions inventory
- Scope 2 location and market-based
- Scope 3 categories 1 to 15 screening
- Emission-factor library construction
- Activity-data collection and QA
- Inventory-management plan documentation
- ISO 14064-1 alignment

DISCLOSURE & REPORTING

- IFRS S1 general sustainability disclosure
- IFRS S2 climate disclosure
- TCFD-aligned reporting
- GRI Universal Standards reporting
- Bursa Kuwait ESG disclosure
- Investor and lender questionnaires
- Annual sustainability report drafting

STRATEGY & ROADMAPS

- Net-zero target setting and validation
- Marginal abatement cost curves
- Renewable-energy procurement strategy
- Energy-efficiency programme design
- Fleet electrification roadmaps
- Supplier engagement programmes
- Internal carbon-pricing schemes

RISK & ASSURANCE

- Physical climate risk modelling
- Transition risk and stranded-asset analysis
- Scenario analysis 1.5°C, 2°C, 4°C
- Double-materiality assessment
- Data-controls and assurance readiness
- Pre-assurance gap audits

The Vision Difference — Why Clients Choose Us



Integrated Delivery

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Infrastructure

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PROJECTS DELIVERED

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ISO CERTIFICATIONS

Kuwait

& GCC COVERAGE

CONSTRUCTION · EXECUTION

Civil Works







Specialist civil works execution tied to our engineering and testing capabilities — earthworks, concrete structures, deep foundations, ground improvement, and concrete repair — delivered with own plant, own crews, and single-source accountability from site investigation through construction completion.



Since 2004 · Kuwait MPW registered · ISO 45001 HSE · Own plant fleet · Self-perform

Execution to match the quality of your engineering.

Vision International performs specialist civil works tied directly to our engineering and laboratory testing capabilities — bulk and detailed earthworks, RC concrete structures, deep foundations (bored piles, CFA, micropiles), ground improvement, subgrade and paving, and structural concrete repair. We **self-perform the technical work** using our own plant and certified crews, giving clients **single-source accountability** from site investigation and foundation design through construction completion, as-built verification, and snag closure.

 <p>Earthworks</p> <p>Bulk excavation, cut-and-fill, compaction, site grading, dewatering, and drainage to tight tolerances.</p>	 <p>Concrete Structures</p> <p>Foundations, slabs, walls, pits, and tanks with formwork design, rebar fixing, and QC records.</p>	 <p>Deep Foundations</p> <p>Bored cast-in-place piles, CFA piles, micropiles, and pile caps with KOC-approved crews.</p>
 <p>Ground Improvement</p> <p>Vibro stone columns, dynamic compaction, and pressure grouting execution with instrumented verification.</p>	 <p>Road & Paving</p> <p>Subgrade preparation, base course, asphalt paving, and concrete paving with QC tied to our ISO 17025 lab.</p>	 <p>Concrete Repair</p> <p>Crack injection (epoxy, PU), patch repair, CFRP strengthening, and structural waterproofing.</p>

HOW WE WORK

From Tender to Handover — Single Accountability



Looking for a civil contractor that owns the engineering too?

Single-source from ground investigation to as-built · MPW registered · ISO 45001

+965 2372 4325

info@visionkuwait.com

Full Civil Works Execution Offering

Kuwait MPW Registered

ISO 45001 HSE

KOC Approved Crews

Own Plant Fleet

EARTHWORKS & SITEWORK

- Bulk excavation and hauling
- Cut-and-fill with compaction control
- Trenching and backfilling
- Site grading and drainage
- Dewatering during construction
- Haul road construction
- Temporary site utilities

CONCRETE WORKS

- Strip, pad, and raft foundations
- RC walls, columns, and slabs
- Pits, tanks, and containment structures
- Formwork design and erection
- Post-tensioning (coordinated with specialist)
- Precast coordination and erection
- Concrete repair and surface treatment

SPECIALIST FOUNDATIONS

- Bored cast-in-place piles
- CFA and micropile installation
- Pile cap construction
- Vibro stone column execution
- Dynamic compaction execution
- Permeation and compaction grouting
- Pile load test execution

REPAIR & REHABILITATION

- Concrete patch and spall repair
- Pressure grouting (cement, resin)
- CFRP strengthening installation
- Crack injection (epoxy, PU)
- Waterproofing and protective coatings
- Cathodic protection installation
- Post-tension repair and replacement

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Oil & Gas

Infrastructure

Marine & Ports

Buildings & Towers

Industrial

Government

2004

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2000+

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Eid N. H. Aladwani

General Manager
eid@visionkuwait.com

INSTALLATION · COMMISSIONING

Specialty Systems Installation







Cathodic-protection systems, geotechnical instrumentation, and structural-monitoring sensors — installed, calibrated, and commissioned by Vision crews for KOC, MPW, and major-project EPCs.

Cathodic Protection · Geotechnical Instrumentation · Structural Health Monitoring · Turn-Key Commissioning



Hardware that monitors infrastructure for decades — installed right the first time.

Vision International installs and commissions the specialty hardware that protects and monitors Kuwait's strategic infrastructure: impressed-current and sacrificial-anode cathodic-protection systems for buried pipelines and tank farms; vibrating-wire piezometers, inclinometers, settlement plates, and load cells for deep excavations and embankments; and structural-health monitoring instrumentation for high-rise towers and bridges. Every system is installed, baseline-calibrated, and handed over with as-built drawings, baseline readings, and a maintenance plan — not just left on site for the next contractor to figure out.

 <p>Cathodic Protection Impressed-current and sacrificial-anode systems for pipelines, tanks, jetties, and reinforced concrete — NACE-aligned.</p>	 <p>Geotechnical Instrumentation Piezometers, inclinometers, extensometers, load cells, settlement plates — installed and baseline-read.</p>	 <p>Structural Monitoring Strain gauges, accelerometers, tilt-meters, and crack monitors for towers, bridges, and heritage structures.</p>
 <p>Survey-Grade Installation Sensors installed against precise survey coordinates — instrumentation tied to Kuwait national grid.</p>	 <p>Commissioning & Baseline Site acceptance testing, baseline readings, threshold-alarm configuration, and as-built drawing handover.</p>	 <p>Maintenance Contracts Long-term monitoring contracts with quarterly inspections, sensor replacement, and reporting.</p>

HOW WE WORK

From Specification to Live System



Full Specialty Systems Installation Offering

NACE Aligned

ASTM Compliant

Manufacturer-Certified Crews

Turn-Key

CATHODIC PROTECTION

- Impressed-current rectifier systems
- Sacrificial magnesium / zinc anodes
- Buried pipeline CP systems
- Above-ground storage tank CP
- Marine and jetty steel CP
- Reinforced-concrete CP retrofit
- Annual CP survey and adjustment

GEOTECHNICAL INSTRUMENTATION

- Vibrating-wire piezometers
- Standpipe piezometers
- In-place and probe inclinometers
- Magnetic and rod extensometers
- Hydraulic settlement profilers
- Strain-gauge load cells
- Tilt-meters and crack-meters

STRUCTURAL HEALTH MONITORING

- Strain-gauge networks
- Triaxial accelerometers for vibration
- Bi-axial tilt-meters
- Wireless data-logging hubs
- Real-time threshold alarms
- Cloud dashboards and SMS alerts
- Long-term sensor maintenance

DELIVERY & SUPPORT

- Manufacturer-trained crews
- Site acceptance testing protocols
- As-built drawings and registers
- Baseline readings and threshold setup
- Operator training
- Annual recalibration contracts

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ACCREDITED · TESTING & ANALYSIS

Laboratory Testing







ISO/IEC 17025:2017 accredited testing laboratory delivering soil, concrete, aggregate, asphalt, and chemical analysis for geotechnical, construction, and environmental projects — with results traceable to national standards and chain-of-custody to EPC and government audit standards.



Since 2004 · KAS/PAI ISO 17025 · ASTM & BS methods · Chain-of-custody · MPW approved

Results you can submit. Data you can defend.

Vision International operates an **ISO/IEC 17025:2017 accredited testing laboratory** under the Kuwait Accreditation System (**KAS/PAI 005**), performing soil physical and chemical testing, concrete, aggregate, asphalt, cement, and construction materials analysis to BS, ASTM, and EN standards. Our in-house lab integrates directly with field operations, delivering chain-of-custody sample handling, engineer-reviewed reports, and measurement uncertainty statements accepted by **MPW, KOC, KNPC, KIPIC, and EPC consultants** on first submission.

 <p>Soil Physical Testing</p> <p>Sieve and hydrometer analysis, Atterberg limits, moisture, density, Proctor, CBR, triaxial, direct shear, consolidation.</p>	 <p>Soil Chemical Testing</p> <p>pH, electrical conductivity, chloride, sulphate, carbonate, organic content, soluble salts — KAS accredited methods.</p>	 <p>Concrete Testing</p> <p>Compressive strength, flexural, splitting tensile, slump, air content, density, permeability, chloride penetration.</p>
 <p>Aggregate Testing</p> <p>Sieve analysis, specific gravity, water absorption, Los Angeles abrasion, soundness, shape index, flakiness.</p>	 <p>Asphalt Testing</p> <p>Marshall stability, penetration, softening point, bitumen extraction, compaction, density, binder content.</p>	 <p>Cement Testing</p> <p>Fineness, consistency, setting time, soundness, compressive strength of mortar cubes, chemical composition.</p>

HOW WE WORK

From Sample Receipt to Signed Certificate



Samples ready for testing?

ISO 17025 accredited turnaround typically within 5–10 working days · Rush service

+965 2372 4325
info@visionkuwait.com

Full Laboratory Testing Offering

KAS/PAI ISO 17025

MPW Approved

KOC & KNPC Compliant

ASTM · BS · EN Methods

SOIL PHYSICAL TESTS

- Grain size analysis (sieve & hydrometer)
- Atterberg limits — LL, PL, PI
- Moisture content and natural density
- Standard and Modified Proctor compaction
- California Bearing Ratio (CBR) — lab
- Triaxial UU, CU, CD tests
- Direct shear and consolidation (oedometer)

SOIL CHEMICAL TESTS

- pH determination (electrometric method)
- Electrical conductivity (EC)
- Chloride content (soil and water)
- Sulphate content (water-soluble & acid-soluble)
- Total soluble salts (TSS)
- Organic matter content
- Carbonate and gypsum content

CONCRETE & AGGREGATE

- Concrete cube & cylinder compressive strength
- Flexural and splitting tensile strength
- Slump, air content, fresh density
- Aggregate sieve analysis
- Los Angeles abrasion & impact value
- Specific gravity and water absorption
- Chloride and sulphate in aggregates

ASPHALT, CEMENT & BITUMEN

- Marshall stability and flow
- Bitumen extraction (centrifuge method)
- Penetration, softening point, ductility
- Cement fineness and setting times
- Mortar cube compressive strength
- Cement chemical composition
- Rice density, theoretical maximum density

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

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PROJECTS DELIVERED

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& GCC COVERAGE



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

Established 2004 · Kuwait-based · GCC delivery

OFFICE

Office 17, 1st Floor, South Tower
Al-Hashan Commercial Complex
Fahaheel, Kuwait
P.O. Box 46033, Fahaheel 46155

CONTACT · MANAGEMENT

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info@visionkuwait.com
www.visionkuwait.com

Eid N. H. Aladwani

General Manager
eid@visionkuwait.com

ACCREDITED · ISO 17025 LAB

Water Quality Testing & Analysis







ISO 17025-accredited drinking-water, wastewater, groundwater, and industrial-water analysis — microbiological, chemical, and physical parameters delivered with traceable, defensible reports.

ISO 17025 Accredited · Microbiological & Chemical · WHO / KEPA Compliant · 24-Hour Turnaround



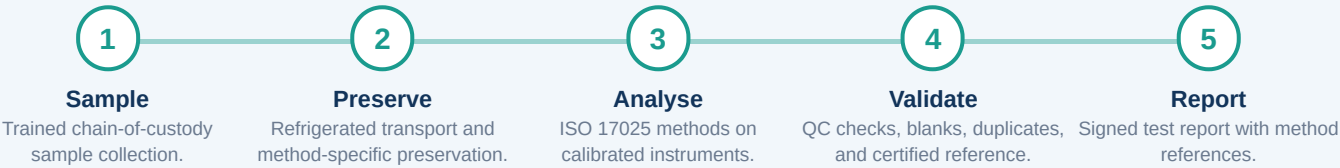
From the tap, the well, or the discharge line — every parameter, fully traceable.

Vision International operates an ISO 17025-accredited water-testing laboratory serving MEW, KEPA, contractors, and industrial operators across Kuwait. We analyse drinking-water (WHO and Kuwaiti Standard 31), groundwater for monitoring-well networks, wastewater for KEPA discharge consents, industrial process water, and seawater for desalination and marine outfall compliance. Microbiological cultures (total coliforms, E. coli, faecal streptococci), heavy-metals via ICP-OES/MS, anions and cations by IC, BOD/COD/TSS, hydrocarbons, and trace pesticides — all under one roof, with same-day or 24-hour turnaround for routine parameters.

 <p>Drinking Water WHO and Kuwaiti Standard 31 compliance — micro, chemical, physical, and trace organics.</p>	 <p>Groundwater Monitoring Quarterly monitoring-well sampling, full chemistry, and KEPA-format reporting for MEW and industrial sites.</p>	 <p>Wastewater Compliance BOD, COD, TSS, oil-and-grease, and heavy-metals — KEPA discharge-consent monitoring.</p>
 <p>Industrial & Process Water Boiler, cooling-tower, and process water — corrosivity, scaling, and contamination tracking.</p>	 <p>Marine & Desalination Seawater intake, brine discharge, and reverse-osmosis quality — chloride, conductivity, and salinity.</p>	 <p>ISO 17025 Quality Documented method-validation, traceable reference materials, and proficiency-test participation.</p>

HOW WE WORK

From Sample Bottle to Defensible Result



Full Water Quality Testing Service Offering

ISO 17025

WHO / Kuwaiti Std 31

KEPA Approved

24-Hour Turnaround

MICROBIOLOGICAL

- Total coliforms and E. coli
- Faecal streptococci
- Heterotrophic plate count
- Pseudomonas aeruginosa
- Sulphate-reducing bacteria
- Legionella spp.
- Membrane-filtration and MPN methods

INORGANIC CHEMISTRY

- Heavy metals by ICP-OES / ICP-MS
- Anions and cations by IC
- Total dissolved solids, conductivity
- Hardness, alkalinity, pH
- Nitrate, nitrite, ammonia
- Phosphate, sulphate, chloride, fluoride
- Cyanide and sulphide

ORGANIC & TRACE

- BOD, COD, TOC
- Oil and grease, total petroleum hydrocarbons
- BTEX and volatile organics by GC-MS
- Polycyclic aromatic hydrocarbons
- Pesticides and herbicides
- Phenolic compounds
- Trihalomethanes

CONSULTING & ROUTINE

- Sampling-plan design
- Quarterly monitoring contracts
- KEPA discharge-consent reporting
- MEW potable-water audits
- Industrial process-water surveys
- Cooling-tower / boiler water packages

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FOUNDATION · DYNAMIC TESTING

Pile & Foundation Dynamic Testing







Pile-driving analysis, CAPWAP, low-strain integrity, cross-hole sonic logging, and static load tests — ASTM-compliant verification of bored piles, driven piles, and rock sockets.

ASTM D4945 PDA / CAPWAP · ASTM D5882 PIT ·
ASTM D6760 CSL · ASTM D1143 Static



Capacity proven, integrity verified — every pile, every standard.

Vision International performs the full suite of pile-testing services required by Kuwait Municipality, MPW, MEW, and major-project consultants — high-strain dynamic load testing (PDA / CAPWAP) per ASTM D4945, low-strain pile integrity testing per ASTM D5882, cross-hole sonic logging per ASTM D6760, thermal integrity profiling per ASTM D7949, and static load testing per ASTM D1143. Every test is run by senior geotechnical engineers, with field data reviewed before crews leave site — discrepancies flagged immediately, not weeks later when re-testing is impossible.

 <p>PDA / CAPWAP</p> <p>High-strain dynamic load testing per ASTM D4945 with CAPWAP signal-matching for capacity and energy.</p>	 <p>Pile Integrity Testing</p> <p>Low-strain PIT per ASTM D5882 — defect detection in bored, driven, and CFA piles.</p>	 <p>Cross-Hole Sonic Logging</p> <p>CSL per ASTM D6760 for bored-pile concrete integrity — ultrasonic profile between access tubes.</p>
 <p>Thermal Integrity Profiling</p> <p>TIP per ASTM D7949 — measures concrete cure temperature to detect inclusions and necking.</p>	 <p>Static Load Testing</p> <p>Compression, tension, and lateral static load per ASTM D1143/D3689/D3966 — kentledge and reaction frames.</p>	 <p>Engineer-Signed Reports</p> <p>Full data, signal-matched outputs, and capacity assessment signed by senior geotechnical engineers.</p>

HOW WE WORK

From Test Specification to Defensible Capacity



Pile testing in your construction programme?
Full ASTM suite with engineer-signed reports — same-week mobilisation across Kuwait.

+965 2372 4325
info@visionkuwait.com

Full Pile & Foundation Testing Offering

ASTM D4945

ASTM D5882

ASTM D6760

ASTM D1143

DYNAMIC TESTING

- High-strain pile-driving analysis (PDA)
- CAPWAP signal-matching analysis
- Restrike testing for set-up evaluation
- Driving-stress and energy monitoring
- Hammer-performance evaluation
- Wave-equation analysis (GRLWEAP)
- ASTM D4945 compliance

INTEGRITY TESTING

- Low-strain pile integrity (PIT) per D5882
- Cross-hole sonic logging (CSL) per D6760
- Thermal integrity profiling (TIP) per D7949
- Sonic echo and impulse-response
- Defect characterisation and depth
- Concrete-quality screening
- Access-tube installation review

STATIC LOAD TESTING

- Compression load test per D1143
- Tension load test per D3689
- Lateral load test per D3966
- Kentledge and reaction-frame setups
- Bi-directional Osterberg-cell tests
- Maintained-load and CRP procedures
- Load-settlement curve interpretation

PROGRAMME SUPPORT

- Pile-test programme design
- Acceptance-criteria specification
- Working-pile and trial-pile testing
- Pile re-driving and re-testing
- Defect remediation recommendations
- Senior-engineer signed reports

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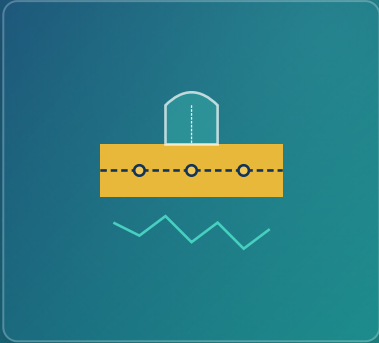
Kuwait

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INTEGRITY · NON-DESTRUCTIVE TESTING

NDT Inspection







Comprehensive non-destructive testing (UT, RT, MT, PT, VT) with NDT Level II and III certified inspectors — for welding inspection, pipeline integrity, tank inspection, structural fabrication QA/QC, and in-service inspection across Kuwait's oil & gas and industrial sectors.



Since 2004 · NDT Level II & III · KOC & KNPC approved · CWI / ASNT certified · ASME · API · AWS

Find the flaw before it finds you.

Vision International delivers a full suite of **non-destructive testing** services with **NDT Level II and III certified inspectors** working to **ASME, API, AWS, BS, and EN** codes. Our capability spans conventional NDT (UT, RT, MT, PT, VT), advanced methods (**phased array UT, TOFD, eddy current**), and certified welding inspection (CWI/CSWIP) — for fabrication QA/QC, pipeline integrity, tank inspection, pressure vessel in-service inspection, and structural assessment for **KOC, KNPC, KIPIC, KGOC, MEW, and EPC** contractors.

 <p>Ultrasonic Testing (UT) Conventional UT, thickness gauging, phased array (PAUT), and Time-of-Flight Diffraction (TOFD).</p>	 <p>Radiographic Testing (RT) X-ray and gamma-ray (Ir-192, Se-75, Co-60) radiography for welds, castings, and structural components.</p>	 <p>Magnetic Particle (MT) Detection of surface and near-surface discontinuities in ferromagnetic materials — yoke and prods.</p>
 <p>Liquid Penetrant (PT) Solvent-removable, water-washable, and post-emulsifiable dye penetrant inspection for non-ferrous surfaces.</p>	 <p>Visual Testing (VT) Close visual inspection, remote visual inspection (RVI), and borescopic examination by CWI/CSWIP inspectors.</p>	 <p>Advanced & Eddy Current Eddy current testing, leak testing, hardness testing, PMI (Positive Material Identification).</p>

HOW WE WORK

From Inspection Plan to Signed Report



Fabrication, pipeline, or in-service NDT?

NDT Level II inspectors mobilized within 48 hours · KOC HSE passports · 24/7 shutdown coverage.

+965 2372 4325
info@visionkuwait.com

Full NDT Services Offering

NDT Level II & III

CWI / CSWIP Inspectors

KOC · KNPC · KIPIC Approved

ASME · API · AWS · BS · EN

CONVENTIONAL NDT

- Visual Testing (VT) to AWS / ASME
- Magnetic Particle Testing (MT)
- Liquid Penetrant Testing (PT)
- Ultrasonic Testing (UT) — pulse echo
- Ultrasonic thickness gauging
- Radiographic Testing (X-ray, gamma)
- Hardness and PMI testing

ADVANCED NDT

- Phased Array UT (PAUT)
- Time-of-Flight Diffraction (TOFD)
- Digital and computed radiography
- Eddy current testing (ECT)
- Leak testing (helium, bubble, pressure)
- Alternating Current Field Measurement (ACFM)
- Guided Wave UT (long-range)

WELDING & FABRICATION QA/QC

- Certified Welding Inspector (CWI) services
- CSWIP-qualified inspection
- Welding procedure qualification (WPQ, WPS)
- Welder performance qualification (WPQR)
- Shop and site inspection coverage
- Third-party inspection services
- Fabrication QC documentation

IN-SERVICE INTEGRITY

- Pipeline in-service inspection
- Tank floor and shell inspection
- Pressure vessel inspection (ASME, API 510)
- Structural steel integrity surveys
- Corrosion mapping (C-scan UT)
- Shutdown and turnaround NDT support
- Remaining life assessment inputs

The Vision Difference — Why Clients Choose Us



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Engineer-Led Reports

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ASSET INTEGRITY · API RBI

Asset Integrity Management & RBI







Risk-based inspection, fitness-for-service, and integrity programmes for pressure equipment, piping, and storage tanks — API 510, 570, 653, 579, 580/581 compliant.

API 510 / 570 / 653 · API 580 / 581 RBI · API 579 FFS · KOC / KNPC Aligned



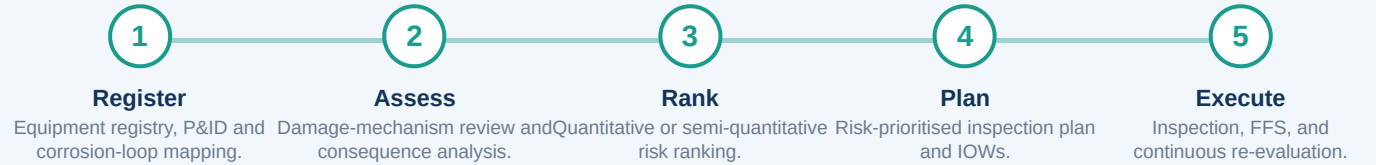
Inspect smart. Spend less. Defer nothing critical.

Vision International delivers asset integrity management and risk-based inspection programmes for KOC, KNPC, EQUATE, and major industrial operators in Kuwait. Our API-certified inspectors and integrity engineers run quantitative and semi-quantitative RBI per API 580/581, perform in-service inspections per API 510 (vessels), API 570 (piping), and API 653 (tanks), and conduct fitness-for-service assessments per API 579 — extending asset life, optimising inspection budgets, and producing defensible justifications for run, repair, replace, or rerate decisions.

 <p>Risk-Based Inspection Quantitative and semi-quantitative RBI per API 580/581 — corrosion-loop modelling and risk ranking.</p>	 <p>Pressure Vessels API 510 in-service inspection — internal, external, and on-stream — corrosion-rate tracking and remaining life.</p>	 <p>Process Piping API 570 piping inspection — CMLs, dead-leg surveys, and circuit-based corrosion management.</p>
 <p>Storage Tanks API 653 above-ground storage tank inspection — bottom, shell, roof, and floating-roof assessment.</p>	 <p>Fitness-for-Service API 579 Level 1, 2, and 3 FFS — local thin areas, pitting, blisters, cracking, and creep damage.</p>	 <p>Integrity Operating Windows IOW limits, deviation-management, and inspection-plan optimisation — defensible integrity envelope.</p>

HOW WE WORK

From Asset Register to Optimised Integrity Plan



KOC or KNPC turnaround approaching?
API-certified RBI, inspection, and FFS — programmes scoped to your turnaround calendar.

+965 2372 4325
info@visionkuwait.com

Full Asset Integrity & RBI Service Offering

API Certified Inspectors

Quantitative RBI

API 579 FFS

Turnaround Support

RISK-BASED INSPECTION

- API 580 RBI methodology setup
- API 581 quantitative RBI calculations
- Corrosion-loop and circuit modelling
- Damage-mechanism identification
- Probability-of-failure analysis
- Consequence-of-failure modelling
- RBI software population and update

IN-SERVICE INSPECTION

- API 510 pressure-vessel inspection
- API 570 piping inspection
- API 653 storage-tank inspection
- Heat-exchanger inspection
- Boiler and fired-heater inspection
- Subsea pipeline integrity reviews
- Corrosion-monitoring location surveys

FITNESS-FOR-SERVICE

- API 579 Level 1 / 2 / 3 assessment
- Local thin area and general metal loss
- Pitting and blistering evaluation
- Crack-like flaw assessment
- Creep and high-temperature damage
- Lamination and HIC assessment
- Brittle-fracture screening

PROGRAMMES & ADVISORY

- Integrity-management system design
- Integrity operating windows (IOWs)
- Corrosion-control documents (CCDs)
- Turnaround inspection planning
- Inspection data management
- Lifetime-extension studies

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.



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ISO CERTIFICATIONS

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RELIABILITY · CONDITION MONITORING

Condition Monitoring & Reliability Engineering

Vibration analysis, oil analysis, infrared thermography, and reliability-centred maintenance — predictive maintenance programmes for KOC, KNPC, MEW, and industrial rotating equipment.

ISO 18436 Cat III/IV · RCM / FMEA · ISO 17359 Aligned · Predictive Maintenance



Catch failure modes months before failure — and stop replacing equipment that has life left in it.

Vision International runs condition-monitoring and reliability-engineering programmes for rotating equipment, fixed assets, and electrical infrastructure across Kuwait. ISO 18436 Category III/IV vibration analysts, certified lubrication specialists, and Level III thermographers deliver predictive-maintenance routes on pumps, compressors, motors, gearboxes, and switchgear. Reliability-centred-maintenance studies (per SAE JA1011) and FMEAs identify dominant failure modes and rebuild maintenance plans around the equipment that actually matters — cutting unplanned downtime and over-maintenance simultaneously.

 <p>Vibration Analysis ISO 18436 Cat III/IV vibration routes — bearing, alignment, balance, resonance, and gear diagnostics.</p>	 <p>Lubricant Analysis Oil analysis programmes — wear-particle, ferrography, viscosity, water, and additive depletion.</p>	 <p>IR Thermography Level III certified thermography — electrical switchgear, mechanical hot-spots, insulation, and refractory.</p>
 <p>Ultrasound & MCSA Airborne and structure-borne ultrasound; motor current signature analysis for rotor-bar faults.</p>	 <p>RCM & FMEA RCM per SAE JA1011, FMEA / FMECA per IEC 60812 — maintenance-strategy redesign by criticality.</p>	 <p>Reliability Analytics Weibull failure analysis, MTBF tracking, and bad-actor identification with monthly client dashboards.</p>

HOW WE WORK

From Baseline Survey to Predictive Programme



Full Condition Monitoring & Reliability Offering

ISO 18436 Cat III/IV

Level III Thermography

RCM / FMEA

Bad-Actor Diagnostics

VIBRATION & DYNAMICS

- ISO 10816 / 20816 broadband vibration
- Spectral and time-waveform analysis
- Bearing, gear, and pump diagnostics
- Operating-deflection-shape (ODS)
- Modal and resonance testing
- Field balancing of rotating machinery
- Laser shaft alignment

LUBRICATION & WEAR

- Oil-condition and wear-particle analysis
- Analytical and direct-read ferrography
- Viscosity, water, TAN, TBN tracking
- ICP elemental wear-metal analysis
- Lubricant-management programmes
- Filtration and contamination control
- Greasing-route optimisation

ELECTRICAL & THERMAL

- Level III IR thermography
- Switchgear and motor-control surveys
- Mechanical hot-spot and insulation
- Motor current signature analysis
- Online partial-discharge screening
- Airborne and structure-borne ultrasound
- Steam-trap and valve-leak surveys

RELIABILITY ENGINEERING

- RCM workshops per SAE JA1011
- FMEA / FMECA per IEC 60812
- Criticality and risk-based PM
- Weibull failure-mode analysis
- MTBF / MTBR tracking and KPIs
- Bad-actor and root-cause analysis

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UTILITIES · LEAK DETECTION

Network Leak Detection

Acoustic correlation, ground-microphone, thermal, and tracer-gas leak detection — pinpoint diagnosis on water, gas, and steam networks for MEW, MOC, and industrial operators.

- Acoustic Correlation
- Ground Microphone
- Tracer Gas
- Thermal Imaging



Find the leak — not just the wet patch. Pinpoint accuracy that survives excavation.

Vision International deploys multi-method leak-detection crews on MEW potable-water mains, MOC fuel pipelines, district-cooling networks, and industrial steam systems across Kuwait. We combine digital acoustic correlators, ground microphones, hydrogen and helium tracer gas, infrared thermography, and ground-penetrating radar to triangulate leaks before excavation — and we produce mark-up drawings and excavation reports that survive contractor scrutiny. Non-revenue-water surveys, district-metered-area (DMA) audits, and pre-tender condition assessments are delivered as packaged programmes, not piecemeal callouts.

<p>Acoustic Correlation Digital acoustic correlators on metallic and PE mains — pinpoint leaks within 1 m before excavation.</p>	<p>Ground Microphone Surface-mounted and probe microphones for pinpointing — paved, asphalt, and unpaved verification.</p>	<p>Tracer Gas Hydrogen-nitrogen and helium tracer gas for non-pressurised, dry, or chambered networks.</p>
<p>Thermal Imaging Infrared thermography for hot-water, district-cooling, and steam leaks — surface and buried.</p>	<p>GPR & Utility Mapping Ground-penetrating radar to confirm leak position, depth, and surrounding utilities before dig.</p>	<p>Non-Revenue Water Audits DMA audits, IWA water-balance, and apparent-vs-real-loss quantification for MEW programmes.</p>

HOW WE WORK

From Suspected Leak to Mark-Up Drawing



Full Network Leak Detection Service Offering

MEW Aligned

IWA Water Balance

Multi-Method Crews

Excavation-Ready Reports

WATER NETWORKS

- Potable-water transmission and distribution
- Trunk-main and DMA leak surveys
- Non-revenue water audits (IWA balance)
- Step-tests and minimum night-flow
- Buried PE, ductile, and asbestos-cement
- Pressure-management studies
- MEW reporting format

GAS, FUEL & CHEMICAL

- MOC fuel-pipeline screening
- Industrial gas-line surveys
- LPG and process-gas networks
- Hydrogen tracer-gas testing
- Pinpoint excavation guidance
- Compliance with international codes

DISTRICT COOLING & STEAM

- Chilled-water network thermography
- Steam-line and condensate surveys
- Buried and overhead pipework
- Insulation-failure mapping
- Steam-trap loss surveys
- Energy-loss quantification

EQUIPMENT & METHODS

- Sewerin and Gutermann correlators
- Hydrogen / helium tracer-gas kits
- Flir thermal-imaging cameras
- Mala / GSSI ground-penetrating radar
- DMA data-loggers and pressure
- Acoustic noise-loggers (permanent / mobile)

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METROLOGY · TRACEABLE MEASUREMENT

Calibration Services

ISO/IEC 17025 accredited traceable calibration of survey instruments, geotechnical field equipment, and laboratory testing machines — reference standards traceable to NIST through national metrology institutes, with certificates including measurement uncertainty per ISO/IEC Guide 98-3.



Since 2004 · ISO 17025 accredited · NIST traceable · PAI approved · UKAS protocols

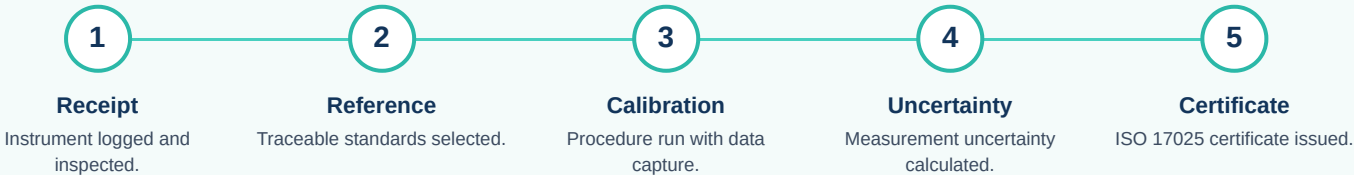
Measurement you can trust — traceable to national standards.

Vision International operates an ISO/IEC 17025 accredited calibration laboratory for survey instruments, geotechnical field equipment, and laboratory testing machines. All calibrations are performed using reference standards traceable to NIST through national metrology institutes, and certificates include measurement uncertainty in line with ISO/IEC Guide 98-3. Our service keeps MPW, KOC, KNPC, and EPC project deliverables audit-ready — with pickup and on-site options across Kuwait.

 <p>Total Stations</p> <p>Angular, distance, and prism-constant calibration on certified baselines — Trimble, Leica, Topcon, Nikon, Sokkia.</p>	 <p>GNSS Receivers</p> <p>GNSS rover verification on state-plane reference stations and ITRF baselines — multi-constellation.</p>	 <p>Pressure Gauges</p> <p>Dead-weight tester calibration for load cells, hydraulic pressure gauges, and pressure transducers.</p>
 <p>Lab Machines</p> <p>Triaxial, CBR, oedometer, and compression machine force calibration up to 3000 kN.</p>	 <p>Thermometers</p> <p>Liquid-in-glass, digital, and infrared thermometer calibration with measurement uncertainty.</p>	 <p>Certificates</p> <p>ISO 17025 calibration certificates with full traceability chain and measurement uncertainty statement.</p>

HOW WE WORK

From Receipt to Signed Certificate



Is your instrumentation due for calibration?

Pickup or on-site service · 5-day standard turnaround · Rush service and annual

+965 2372 4325
info@visionkuwait.com

Full Calibration Services Offering

ISO 17025 Accredited

NIST Traceable

PAI Approved

UKAS Protocols

SURVEYING INSTRUMENTS

- Total station angular verification
- EDM distance calibration (0.5 m to 1 km baselines)
- Digital and automatic levels
- Prism constant determination
- Tribrach and tripod alignment
- Theodolite and laser plummet calibration
- Optical plummet and compensator checks

GNSS & POSITIONING

- GNSS rover performance tests
- Baseline verification (ITRF)
- Receiver antenna offset calibration
- Reference station commissioning
- Network RTK performance checks
- PDOP and precision validation
- Multi-GNSS tracking verification

LABORATORY EQUIPMENT

- Compression machines (up to 3000 kN)
- Triaxial and CBR load cells
- Oedometer and consolidation apparatus
- Balances and weighing scales
- Moisture content and drying ovens
- Sieve shakers and sieves
- Curing tanks and temperature controllers

ENVIRONMENTAL & THERMAL

- Thermometers (LIG, digital, IR)
- Pressure gauges and transducers
- Humidity and dew-point meters
- pH and conductivity meters
- Sound level and vibration meters
- Dead-weight pressure testers
- Data loggers and multimeters

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

Office 17, 1st Floor, South Tower
Al-Hashan Commercial Complex
Fahaheel, Kuwait
P.O. Box 46033, Fahaheel 46155

CONTACT · MANAGEMENT

+965 2372 4325
info@visionkuwait.com
www.visionkuwait.com

Eid N. H. Aladwani

General Manager
eid@visionkuwait.com

MARINE · EQUIPMENT RENTAL

Marine Equipment & Barge Rental






Survey vessels, jack-up barges, multibeam echosounders, ROVs, and side-scan sonar — owned, maintained, and operated by Vision crews for marine survey, geotechnical, and EPC projects.

Vision Naya Jack-Up · Survey Vessel Fleet · R2Sonic / Kongsberg Multibeam · Owned & Operated



Marine assets ready to mobilise — fully crewed, fully maintained.

Vision International owns and operates a fleet of marine assets dedicated to survey and offshore-geotechnical work in Kuwait Bay, the Northern Gulf, and KOC marine concessions: the Vision Naya jack-up barge for offshore CPT and borehole programmes, dedicated multibeam survey vessels, ROVs, and modular instrument packages including R2Sonic and Kongsberg multibeam, EdgeTech side-scan sonar, sub-bottom profilers, and Innovatum cable trackers. Equipment is hired bare or fully crewed, with Vision certification, calibration records, and HSE files included.

 <p>Vision Naya Jack-Up</p> <p>Self-elevating jack-up barge — offshore CPT, boreholes, and instrumentation in up to 30 m water depth.</p>	 <p>Survey Vessels</p> <p>Dedicated catamaran and monohull survey vessels with integrated GNSS, motion, and sonar systems.</p>	 <p>Multibeam Echosounder</p> <p>R2Sonic 2024 and Kongsberg EM2040 multibeam — bathymetric, charting, and pre-dredge surveys.</p>
 <p>Side-Scan Sonar</p> <p>EdgeTech 4125 dual-frequency side-scan — pipeline, debris, UXO, and seabed-feature surveys.</p>	 <p>ROV & USV</p> <p>Inspection-class ROVs and unmanned surface vessels for confined harbour and shallow-water work.</p>	 <p>Crewed or Bare</p> <p>Bare-equipment hire with calibration certificates, or fully crewed with senior surveyors and skippers.</p>

HOW WE WORK

From Mobilisation to Demobilisation



Marine campaign starting soon?
 Vision Naya jack-up plus survey-vessel fleet — bareboat or crewed. Mobilisation in days, not weeks.

+965 2372 4325
 info@visionkuwait.com

Full Marine Equipment & Vessel Offering

Owned Fleet

DP Survey Vessels

Calibrated to IHO S-44

Crewed or Bare

VESSELS & BARGES

- Vision Naya self-elevating jack-up barge
- Catamaran survey vessels
- Monohull crew-transfer vessels
- Workboats for shallow-water tasks
- Anchor-handling tugs (subcontracted)
- Permits and ISM-compliant operation

HYDROGRAPHIC SENSORS

- R2Sonic 2024 multibeam echosounder
- Kongsberg EM2040 multibeam
- Single-beam survey echosounders
- EdgeTech 4125 side-scan sonar
- EdgeTech sub-bottom profilers (chirp)
- Innovatum cable & pipeline trackers
- Dual-antenna GNSS, motion, sound velocity

ROV & SUBSEA

- Inspection-class ROVs
- Diver-held inspection cameras
- Underwater positioning (USBL)
- Seabed sediment grabs
- Dredge-monitoring instrumentation
- Unmanned surface vessels (USVs)

DELIVERY MODES

- Bareboat equipment hire with calibrations
- Crewed daily-rate operation
- Long-term campaign packages
- EPC subcontract under Vision insurance
- Permit and clearance management
- HSE plans, JSAs, and risk assessments

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Schedule-Driven

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

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Kuwait

& GCC COVERAGE

SURVEY · EQUIPMENT RENTAL

Survey & Investigation Equipment Rental






Trimble total stations, GNSS receivers, terrestrial laser scanners, UAVs, and CPT rigs — daily, weekly, and monthly hire with calibration certificates and field training included.

Trimble Authorised · Calibrated & Certified · Daily / Weekly / Monthly · Operator Training



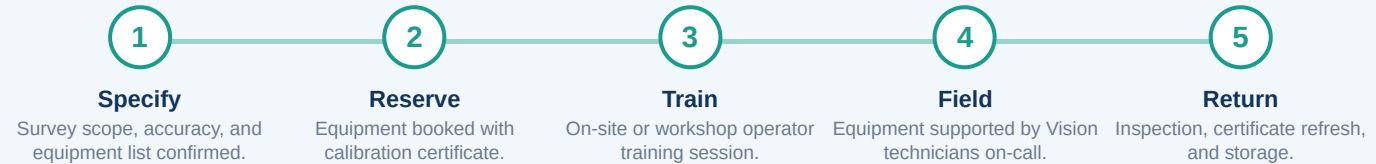
Survey-grade hardware on demand — no procurement, no maintenance, no problem.

Vision International is a Trimble authorised partner and the largest survey-equipment hire fleet in Kuwait. Our rental catalogue covers Trimble robotic total stations, GNSS RTK receivers, R10/R12 rovers, base stations, terrestrial laser scanners (Trimble X7/X12), UAVs (UX5/UX9, Microdrones LiDAR), and complete CPT rigs (Pagani and Geomil). Every unit is calibrated, certified, and field-checked before mobilisation — and our team trains your operators on-site at no extra cost. Hire by the day, week, or month; long-term project rates are negotiable.

 <p>Total Stations Trimble S5, S7, S9, SX10, SX12 robotic and scanning total stations — all calibrated.</p>	 <p>GNSS Receivers Trimble R10, R12, R12i RTK rovers and base stations — VRX corrections available.</p>	 <p>Laser Scanners Trimble X7 and X12 terrestrial laser scanners — registration software included.</p>
 <p>UAVs & LiDAR Trimble UX5/UX9 fixed-wing, Microdrones mdLiDAR — DGCA-permit support.</p>	 <p>CPT & Investigation Pagani and Geomil CPT rigs, downhole tools, vane shears, and in-situ test kit.</p>	 <p>Operator Training On-site training and refresher sessions included in every rental — Trimble Access support.</p>

HOW WE WORK

From Equipment Request to Field-Ready Kit



Survey project starting next week?
Trimble fleet ready for hire — total stations, GNSS, scanners, drones, CPT. Calibration and training included.

+965 2372 4325
info@visionkuwait.com

Full Survey Equipment Rental Catalogue

Trimble Authorised

Daily / Weekly / Monthly

Calibration Included

Operator Support

GEODETIC & GNSS

- Trimble R10, R12, R12i GNSS rovers
- Trimble base stations and CORS
- VRX network correction subscriptions
- Survey controllers (TSC5, TSC7)
- Trimble Access field software
- GNSS antennas and tripods

TOTAL STATIONS & SCANNERS

- Trimble S5 / S7 / S9 robotic total stations
- Trimble SX10 / SX12 scanning total stations
- Trimble X7 / X12 terrestrial laser scanners
- Reflectorless prisms and reflectors
- Tribrachs, tripods, and accessories
- Trimble Realworks / RealityCapture

AERIAL & MOBILE

- Trimble UX5 / UX9 fixed-wing UAVs
- Microdrones mdLiDAR systems
- Multi-rotor mapping drones
- Trimble MX9 mobile mapping
- Pix4D and Trimble Business Center
- DGCA permit-application support

GEOTECHNICAL FIELD

- Pagani CPT rigs (TG63 / TG73)
- Geomil CPT rigs and seabed tools
- Downhole shear-wave kit
- Vane shears and pocket pen
- Standpipe and pneumatic piezometers
- Inclinator and extensometer kits

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— NDT · EQUIPMENT RENTAL

NDT & Inspection Equipment Rental

Phased-array ultrasonics, time-of-flight diffraction, conventional UT, MFL, magnetic particle, and dye-penetrant kits — calibrated NDT hardware with certified Level II/III operators on demand.







PAUT / TOFD · MFL / IRIS / RFT · ASNT / EN 473 ·

Calibrated Standards



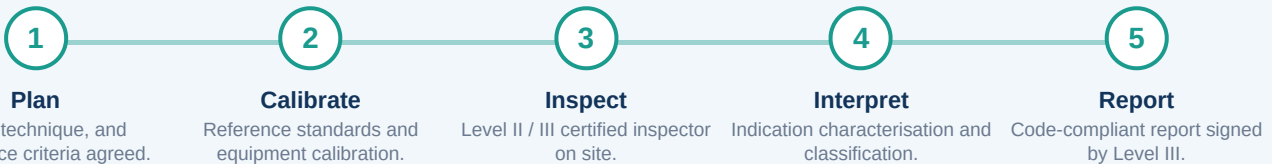
NDT-ready hardware — for shutdowns, fabrications, and audits.

Vision International rents calibrated NDT hardware to KOC contractors, EPCs, and fabrication workshops across Kuwait — Olympus and Eddyfi phased-array units, Sonatest UT flaw detectors, MFL pigs and tank-floor scanners, RFT and IRIS heat-exchanger probes, magnetic-particle yokes, and dye-penetrant kits. All instruments are calibrated against certified reference standards, and Level II/III ASNT or EN 473 inspectors can be supplied on a daily-rate basis with the equipment. Reports are written by senior inspectors against the relevant ASME, API, or EN code.

 <p>Phased-Array UT Olympus OmniScan and Eddyfi M2M phased-array units — corrosion mapping, weld, and TOFD.</p>	 <p>Conventional UT Sonatest, Olympus, and GE Krautkrämer flaw detectors — thickness and weld inspection.</p>	 <p>MFL & Tank Inspection Tank-floor MFL scanners, MFL pigs, and shell-corrosion tools — API 653 aligned.</p>
 <p>RFT & IRIS Tubes Heat-exchanger remote-field testing, IRIS, and eddy-current bobbin probe systems.</p>	 <p>Surface NDT Magnetic-particle yokes, dye-penetrant kits, and certified consumables — wet and dry method.</p>	 <p>Inspector Support ASNT Level II/III and EN 473 inspectors available on day-rate with rentals.</p>

— HOW WE WORK

From Inspection Plan to Validated Report



Turnaround inspection scope ramping up? +965 2372 4325
 PAUT, TOFD, MFL, RFT — calibrated kits with Level II/III inspectors on day-rate. info@visionkuwait.com

Full NDT & Inspection Equipment Catalogue

ASNT / EN 473

Code-Compliant

Level III Sign-Off

Calibrated Standards

ULTRASONIC & PAUT

- Olympus OmniScan PAUT systems
- Eddyfi M2M Gekko phased-array
- TOFD weld-inspection capability
- Corrosion-mapping scanner systems
- Sonatest / Olympus / GE flaw detectors
- Thickness-gauge meters
- Encoded raster and linear scans

ELECTROMAGNETIC

- Tank-floor MFL scanners
- Inline MFL pigs (subcontracted)
- Heat-exchanger RFT probes
- IRIS internal-rotary inspection
- Eddy-current bobbin probes
- Eddy-current array surface scanners
- ACFM crack-detection units

SURFACE & RADIOGRAPHIC

- Magnetic-particle yokes (AC / DC)
- Magnetic-particle bench units
- Dye-penetrant consumables and kits
- Visual aids, borescopes, fibrescopes
- Radiographic services (subcontracted)
- X-ray and gamma source coordination

INSPECTOR & REPORTING

- Level II ASNT / EN 473 inspectors
- Level III sign-off support
- ASME V & VIII compliance
- API 510 / 570 / 653 reporting
- EN ISO 17640 ultrasonic compliance
- Code-grade report drafting

The Vision Difference — Why Clients Choose Us



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— DRILLING · RIG RENTAL

Drilling Rig Rental







Geotechnical, monitoring-well, and water-well drilling rigs — track-mounted and truck-mounted, shallow and deep, with crews, tooling, and consumables included.

Geotechnical Rigs · Water Well Rigs · Crewed or Bare · Track & Truck Mounted



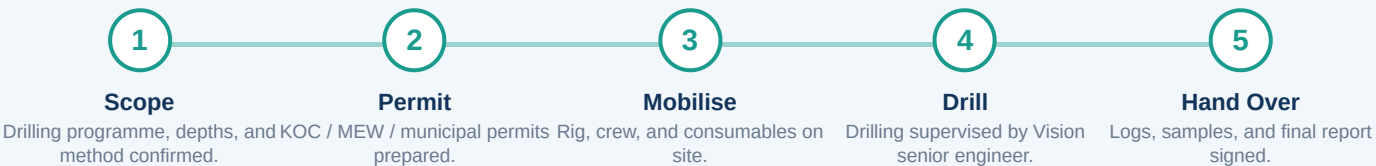
Drilling capacity on demand — owned fleet, owned crews.

Vision International owns one of the largest drilling-rig fleets in Kuwait dedicated to geotechnical, environmental-monitoring, and water-well services. Track-mounted and truck-mounted rigs cover SPT, rotary, mud-rotary, augering, sonic, and rotary-percussion to 300 m and beyond. Hire is offered bare-rig, crewed, or as a turn-key package with consumables, casing, and engineer-signed logs. All rigs are maintained in-house with full PM records, and crews carry valid KOC, MEW, and Kuwait Municipality permits.

 <p>Geotechnical Rigs Track-mounted SPT, rotary, mud-rotary rigs to 100 m+ — KOC and MPW projects.</p>	 <p>Water Well Rigs Shallow and deep water-well drilling rigs — MEW-aligned for monitoring and production wells.</p>	 <p>Bare or Crewed Bare-rig hire with consumables list, or fully crewed with driller, helpers, and engineer logs.</p>
 <p>Tooling & Consumables Full string of rods, casings, samplers, bits, mud, and grout — supplied and tracked on site.</p>	 <p>Permits & HSE KOC permits, MEW well permits, JSAs, risk assessments, and HSE pack delivered with each rig.</p>	 <p>Engineer Logs Borehole logs interpreted and signed by Vision senior geotechnical engineers.</p>

— HOW WE WORK

From Rig Request to Final Logs



Full Drilling Rig Rental Offering

Owned Fleet

Crewed Available

KOC / MEW Permitted

Engineer-Signed Logs

GEOTECHNICAL DRILLING

- Track-mounted rotary rigs
- Truck-mounted rotary rigs
- SPT and split-spoon sampling
- Shelby tube undisturbed sampling
- Mud-rotary and air-rotary methods
- Hollow-stem and solid-stem auger
- Coring with NQ / HQ / PQ wire-line

WATER WELL DRILLING

- Monitoring-well drilling and completion
- Shallow water-well drilling
- Deep water-well drilling rigs
- Air-percussion and DTH hammer
- Reverse-circulation rotary
- Casing, screening, and gravel-pack
- Well development and step-test

TOOLING & CONSUMABLES

- Drill rods, casings, and bits
- Bentonite and polymer drilling mud
- Grout, cement, and gravel-pack
- Samplers (SPT, Shelby, piston)
- Wire-line core barrels
- Cathead and rotary swivels

DELIVERY & HSE

- Bare-rig hire with calibration
- Crewed daily-rate operation
- Turn-key packages with engineer
- KOC permit-to-work coordination
- MEW water-well permits
- JSAs, risk assessments, HSE files

The Vision Difference — Why Clients Choose Us



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Sectors We Serve

Oil & Gas

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2000+

PROJECTS DELIVERED

4

ISO CERTIFICATIONS

Kuwait

& GCC COVERAGE

EQUIPMENT · AUTHORIZED DISTRIBUTION

Trimble Equipment







Authorized Trimble Geospatial distributor for Kuwait — sales, service, training, calibration, and software support for the complete Trimble surveying ecosystem: GNSS receivers, total stations, 3D laser scanners, mobile mapping, data collectors, and field software.



Since 2004 · Trimble authorized partner · Kuwait MPW approved · In-house service · Training & support

Trimble precision. Kuwait delivery.

Vision International is an **authorized distributor of Trimble Geospatial** products in Kuwait — delivering end-to-end sales, after-sales service, training, and ISO 17025 accredited calibration for the full Trimble surveying ecosystem. From **R12i GNSS rovers**, **SX10/SX12 scanning total stations**, **X7 laser scanners**, and **MX mobile mapping systems** to Trimble Access field software and Trimble Business Center office software, we supply, configure, and support the hardware and workflows used by leading government agencies, oil & gas operators, and engineering consultancies across Kuwait and the GCC.

 <p>GNSS Systems</p> <p>Trimble R12i, R980, R2, and R780 GNSS receivers for RTK, static, post-processed, and network operations.</p>	 <p>Total Stations</p> <p>Trimble S7, S9, SX10, SX12 — from standard reflectorless to scanning total stations with imaging.</p>	 <p>Laser Scanning</p> <p>Trimble X7, X12, and TX8 terrestrial laser scanners with automated registration and field processing.</p>
 <p>Mobile Mapping</p> <p>Trimble MX9 and MX50 vehicle-mounted mobile mapping for road, rail, and corridor asset capture.</p>	 <p>Data Collectors</p> <p>Trimble TSC7, TDC600, T100, and Catalyst mobile solutions running Trimble Access field software.</p>	 <p>Software</p> <p>Trimble Access, Business Center, Penmap, RealWorks, SiteWorks, TerraFlex — sales, licensing, and support.</p>

HOW WE WORK

From Quote to Deployed Kit



Upgrading your survey equipment?

Authorized Trimble quotes, demos, and financing · Trade-in options · Service and calibration on-site.

+965 2372 4325
info@visionkuwait.com

Full Trimble Equipment Offering

Trimble Authorized Partner

MPW Approved Supplier

In-house Service Centre

ISO 17025 Calibration

GNSS & POSITIONING

- Trimble R12i — flagship GNSS rover
- Trimble R980 — compact multi-GNSS
- Trimble R780 — base station receiver
- Trimble R2 — compact GNSS
- Trimble Catalyst DA2 — subscription GNSS
- Trimble ProPoint engine
- Trimble RTX correction services

OPTICAL INSTRUMENTS

- Trimble S7 Robotic Total Station
- Trimble S9 High-Precision Robotic TS
- Trimble SX10 Scanning Total Station
- Trimble SX12 Scanning Total Station
- Trimble DiNi Digital Levels
- Nikon manual total stations (Trimble Group)
- Autolock and FineLock technology

SCANNING & MAPPING

- Trimble X7 3D Laser Scanner
- Trimble X12 High-Performance Scanner
- Trimble TX8 long-range scanner
- Trimble MX9 Mobile Mapping System
- Trimble MX50 compact mobile mapping
- Trimble RealWorks processing software
- Trimble Scan Explorer and registration

SOFTWARE & FIELD

- Trimble Access field software
- Trimble Business Center (TBC)
- Trimble Penmap cadastral surveying
- Trimble SiteWorks construction
- Trimble Pathfinder Office
- Trimble Connect cloud collaboration
- Trimble TerraFlex field data collection

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CONTACT · MANAGEMENT

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www.visionkuwait.com

Eid N. H. Aladwani

General Manager
eid@visionkuwait.com

RIG SALES · REFURBISHMENT

Drilling Rig Sales & Refurbishment







Refurbished CME geotechnical rigs and water-well rigs — full strip-down, mechanical restoration, and resale to Saudi Arabia and the wider GCC drilling market.

- CME Specialists · Full Refurbishment ·
- GCC Sales Network · Spare-Parts Support



Hard-working drilling rigs, returned to working order — for the GCC market.

Vision International has expanded its drilling business into rig refurbishment and resale, focused on the CME geotechnical platform (CME-55, 55HT, 850) and selected water-well rigs. Our workshop strips, inspects, and rebuilds incoming units — engine, drawworks, mast, mud system, hydraulics, and electrics — and returns them to manufacturer specification or modern equivalent. Refurbished units carry a Vision warranty, full inspection-and-test record, and operator training, and are sold across Saudi Arabia, Kuwait, and the wider GCC. Spare-parts support and re-sale services are also offered to existing rig owners.

 <p>CME Geotechnical Rigs CME-55, 55HT, and 850 specialists — full mechanical refurbishment and tracked-carrier conversion.</p>	 <p>Water Well Rigs Shallow and deep water-well rigs sourced and refurbished for MEW-style and private contractors.</p>	 <p>Full Strip & Rebuild Engine, drawworks, mast, mud system, hydraulics, and electrics — restored to original spec.</p>
 <p>Inspection & Testing Pre-purchase, in-progress, and final inspection with photographic and dimensional records.</p>	 <p>Spare Parts OEM and equivalent CME spare parts — sourced, stocked, and supplied for the GCC market.</p>	 <p>Operator Training Driller and helper training included with every rig sale — on-site or at our workshop.</p>

HOW WE WORK

From Inbound Rig to Sold-and-Operating Asset



Looking to acquire a refurbished CME rig?
 Vision-refurbished CME and water-well rigs — warranty-backed, training included, GCC delivery.

+965 2372 4325
 info@visionkuwait.com

Full Rig Sales & Refurbishment Service Offering

CME Specialists

GCC Delivery

Warranty-Backed

Spare-Parts Support

RIG SOURCING & SALES

- CME-55, 55HT, 850 sourcing
- Tracked-carrier rigs (Morooka, IHI, Yanmar)
- Water-well shallow and deep rigs
- Pre-purchase inspection reports
- Negotiation and procurement support
- Letter-of-credit and shipping handling
- Customs and import documentation

REFURBISHMENT WORKSHOP

- Diesel engine overhaul or replacement
- Drawworks rebuild and load test
- Mast inspection and structural repair
- Mud-pump and hydraulic-system rebuild
- Electrical-system rewire and certification
- Carrier and undercarriage refurbishment
- Paint and corrosion-protection finish

INSPECTION & DOCUMENTATION

- Pre-purchase condition surveys
- In-progress workshop inspections
- Final acceptance test and load test
- Photographic and dimensional records
- Manufacturer-data nameplate verification
- Inspection-and-test plan documentation

AFTER-SALES SUPPORT

- OEM and equivalent spare-parts supply
- Operator and helper training
- Maintenance schedules and manuals
- Service-engineer call-out (GCC)
- Warranty programme management
- Resale and trade-in support

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UAE

Oman

Qatar

GCC Wide

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ISO CERTIFICATIONS

Kuwait

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RESOURCING · TECHNICAL STAFFING

Professional Manpower

Pre-qualified surveyors, drillers, laboratory technicians, HSE officers, and engineers on managed-service contracts to KOC, MPW, KNPC, and EPC project standards — every resource vetted against client technical and HSE requirements, managed through our project office.



Since 2004 · KOC HSE passport holders · NEBOSH & IOSH HSE · CSCS compliant
Rapid deployment

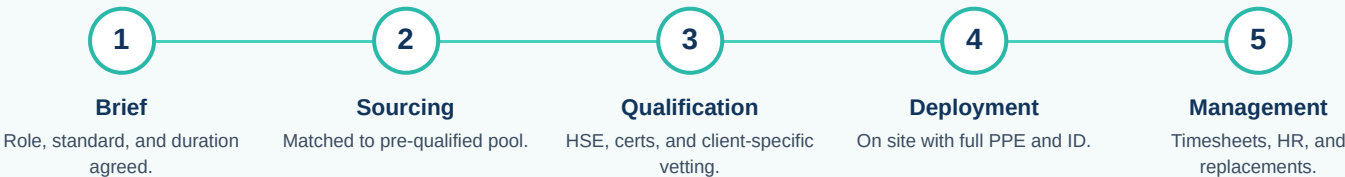
The right technical person, on site, on time.

Vision International supplies technical manpower to surveying, geotechnical, environmental, and construction projects across Kuwait — from single-resource contracts to full project crews. Every resource is **pre-qualified against client technical and HSE requirements** (KOC HSE passport, MPW registration, professional certifications), managed through our project office rather than left on the client's books. Dedicated HR, payroll, mobilization, and replacement handling across **KOC, KNPC, KGOC, KIPIC, MPW, PART, PAHW, and EPC** contracts.

 <p>Surveyors Party chiefs, senior land and marine surveyors, instrument operators, and chainmen for all project types.</p>	 <p>Drillers KOC-certified rig operators, drilling foremen, sonic drilling technicians, and CPT operators.</p>	 <p>Lab Technicians ISO 17025-trained technicians for soil, concrete, aggregate, asphalt, and chemical testing.</p>
 <p>HSE Officers NEBOSH and IOSH-certified HSE officers, safety supervisors, and HSE auditors for site deployment.</p>	 <p>Engineers Chartered geotechnical, civil, structural, and professional engineers for design, site, and supervision.</p>	 <p>Project Support Document controllers, project coordinators, QA/QC inspectors, and PMO admin support.</p>

HOW WE WORK

From Request to Deployment — 14-Day Standard



Need a technical resource on site next week?

14-day standard mobilization · 48-hour urgent deployment · Full HR and mobilization handled by us.

+965 2372 4325
info@visionkuwait.com

Full Technical Manpower Offering

KOC HSE Passport

MPW Registered

NEBOSH · IOSH HSE

ISO 17025 Lab Training

SURVEYING ROLES

- Senior Surveyor / Party Chief
- Land Surveyor (GNSS / Total Station)
- Marine / Hydrographic Surveyor
- CAD Surveyor / Data Processor
- Instrument Operator / Chainman
- Laser Scanner Operator
- Setting-out Engineer

GEOTECHNICAL & DRILLING

- Drilling Foreman and Rig Operator
- Sonic Drilling Technician
- CPT Operator
- Field Technician (sampling)
- Geotechnical Inspector
- Piezometer Installation Technician
- Grouting Operator

LABORATORY & QA/QC

- Soil Laboratory Technician
- Concrete and Asphalt Technician
- QA/QC Engineer
- Materials Inspector
- Certified Welding Inspector (CWI)
- NDT Inspector (Level II / III)
- Lab Manager (ISO 17025)

PROFESSIONAL & HSE

- Chartered Geotechnical Engineer
- Structural / Civil Engineer
- NEBOSH-certified HSE Officer
- IOSH Safety Supervisor
- Project Engineer / Manager
- Document Controller / Planner
- Environmental Scientist

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

Office 17, 1st Floor, South Tower
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Fahaheel, Kuwait
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www.visionkuwait.com

Eid N. H. Aladwani
General Manager
eid@visionkuwait.com

TRAINING · PROFESSIONAL DEVELOPMENT

Technical Training

Certified geospatial, surveying, and GIS training from foundation to advanced level — ArcGIS, SuperMap, Trimble software, cartography, and geodatabase management — delivered by Esri and Trimble-certified instructors at our Fahaheel centre or on-site at client premises.



Since 2004 · Esri certified trainers · Trimble software training · CAIT registered
In-house & on-site

Skills that compound. Teams that deliver.

Through our **certified instructors**, Vision International is recognized as one of Kuwait's leading training providers for **geospatial, GIS, and surveying courses**. We offer ArcGIS, AutoCAD, SuperMap, Trimble Business Center, and surveying courses at **foundation, intermediate, and advanced levels**, plus bespoke workshops, mentoring, and on-site training at client premises across the Gulf. All training can be tailored to team skill level and project needs — from onboarding new graduates to up-skilling experienced engineers on the latest GNSS, GIS, and BIM workflows.

 <p>GIS Foundation</p> <p>Introduction to ArcGIS for beginners, map making, data management, and spatial analysis fundamentals.</p>	 <p>GIS Advanced</p> <p>Spatial analysis, geoprocessing, Python scripting for ArcGIS, and network analysis workflows.</p>	 <p>Cartography & Mapping</p> <p>Map design principles, symbolization, cartographic projections, and layout for print and web publication.</p>
 <p>Geodatabase Management</p> <p>Geodatabase design, SDE administration, versioning, replication, and enterprise data management.</p>	 <p>ArcGIS for Server</p> <p>Publishing, sharing, administration, security, and performance tuning for ArcGIS Enterprise deployments.</p>	 <p>Trimble Software</p> <p>Trimble Access, Business Center, Penmap, SiteWorks, and Survey Controller — from operator to advanced.</p>

HOW WE WORK

From Needs Assessment to Certified Team



Need to up-skill your team quickly?

Open enrolment and private corporate courses · Arabic and English delivery · On-site across the GCC.

+965 2372 4325
info@visionkuwait.com

Full Training Catalogue

Esri Certified

Trimble Authorized Training

Arabic & English

On-site GCC Delivery

GIS & GEOSPATIAL

- GIS Foundation — Introduction to ArcGIS
- GIS Advanced — Spatial analysis & modelling
- Cartography and map development
- Python scripting for ArcGIS (ArcPy)
- ArcGIS Pro transition workshops
- SuperMap iDesktop and iPortal training
- QGIS and open-source GIS courses

GEODATABASE & ENTERPRISE

- Geodatabase design and management
- ArcSDE / Enterprise Geodatabase admin
- ArcGIS Server publishing and sharing
- Data versioning and replication
- REST services and web maps
- Spatial data quality management
- Migration from shapefiles to EGDB

SURVEYING & FIELD

- Trimble Access field operations
- Trimble Business Center processing
- RTK GNSS surveying best practice
- Total station operator training
- Levelling and height network surveying
- GNSS post-processing workflows
- Marine survey software (e.g., QINSy)

DRAFTING, BIM & ANALYSIS

- AutoCAD 2D for surveyors
- Civil 3D for infrastructure design
- Scan-to-BIM workflows (Revit)
- Point cloud processing
- Drone data processing (Pix4D, Agisoft)
- BIM coordination for MEP/structural
- Remote sensing and image classification

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PLATFORM · REAL-TIME OPERATIONS

Vision Connect







Real-time operations platform purpose-built for geospatial and geotechnical teams — GPS fleet tracking, survey crew monitoring, tide-gauge and water-level telemetry, and project dashboards — everything in one cloud console, accessible from browser and mobile.



In-house developed · Cloud hosted · iOS & Android apps · 24/7 monitoring · API integrations

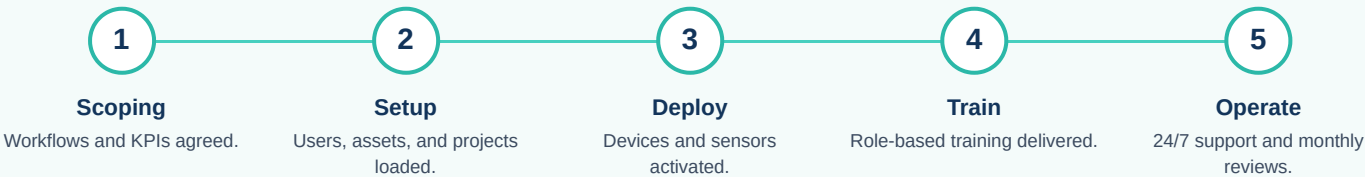
Every crew. Every asset. Every reading. One screen.

Vision Connect is our in-house operations platform that unifies **GPS fleet tracking, survey crew monitoring, real-time tide and water-level telemetry, equipment tracking, and project dashboards** in one cloud console. Purpose-built for the geospatial and geotechnical workflows we run daily, Vision Connect eliminates spreadsheets and WhatsApp updates — giving project managers, operations directors, and clients a single source of truth for fleet, field, and environmental data across Kuwait, the Gulf, and anywhere else the team is deployed.

 <p>Live GPS Tracking</p> <p>Real-time vehicle, vessel, and rig positions with geofencing, speed alerts, and trip reconstruction.</p>	 <p>Project Dashboards</p> <p>Custom KPIs, progress bars, and milestone tracking for each active geotechnical and survey project.</p>	 <p>Tide & Water Level</p> <p>Real-time telemetry from deployed tide gauges, piezometers, and water-level loggers with alarms.</p>
 <p>Crew Monitoring</p> <p>Party-chief check-ins, HSE incident reporting, and daily field logs from the survey crew app.</p>	 <p>Mobile Apps</p> <p>iOS and Android apps for field crews — check-in, upload photos, log hazards, and sync offline.</p>	 <p>API & Integrations</p> <p>REST APIs for ERP, accounting, Trimble Access, ArcGIS, and BI tools — clean data flows, no silos.</p>

HOW WE WORK

From Onboarding to Daily Operations



Want to see Vision Connect live?

Book a 30-minute demo with real fleet and project data · Pilot access available for qualified clients.

+965 2372 4325
info@visionkuwait.com

Full Vision Connect Capability Offering

Cloud Hosted

iOS · Android · Web

Arabic & English UI

API-first

FLEET & ASSET TRACKING

- Live GPS vehicle and vessel tracking
- Rig and equipment utilization
- Geofencing and site entry alerts
- Speed, idle, and harsh-driving events
- Trip history and route replay
- Fuel and maintenance logs
- Driver and operator assignments

FIELD OPERATIONS

- Party-chief daily check-in
- HSE incident reporting from the field
- Photo and document capture
- Offline sync for remote sites
- Tasks, punches, and timesheets
- PPE and HSE compliance logs
- Sub-contractor coordination

SENSORS & TELEMETRY

- Tide gauge and water-level loggers
- Piezometer and groundwater telemetry
- Weather station integration
- ADCP and current meter streaming
- Soil moisture and temperature sensors
- Environmental alarm thresholds
- Historical time-series analysis

REPORTING & INTEGRATIONS

- Custom KPI dashboards per project
- Scheduled email and PDF reports
- Power BI and Tableau connectors
- REST API for ERP / accounting
- ArcGIS and SuperMap connectors
- Trimble Access and TBC pipelines
- Role-based access and audit trail

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DIGITAL TWIN · SMART CITY

Digital Twin & Smart City Solutions

Urban digital twins, InSAR ground-deformation monitoring, BIM-GIS integration, and IoT sensor networks — building blocks for New Kuwait 2027 and Vision 2035.

- Urban Digital Twin
- InSAR Monitoring
- BIM-GIS Federation
- IoT Sensor Networks



Cities and assets — visible, monitored, and decision-ready in 4D.

Vision International builds digital twins for Kuwaiti cities, infrastructure assets, and industrial facilities — combining survey, BIM, GIS, InSAR satellite-deformation data, IoT sensors, and live operational feeds into a single decision-support environment. Whether the brief is a city-scale twin for New Kuwait 2027, a port or campus twin for operations management, or a corridor twin for ground-deformation monitoring, Vision delivers the geospatial backbone, the BIM-GIS federation layer, and the analytics and dashboards that planners, asset managers, and operators actually use.

<p>Urban Digital Twin City-scale 3D models with classified buildings, ground, infrastructure, and live data overlays.</p>	<p>InSAR Deformation Satellite radar-interferometry monitoring of subsidence, embankment settlement, and structural movement.</p>	<p>BIM-GIS Federation Federated BIM and GIS models for assets, networks, and infrastructure — IFC and CityGML.</p>
<p>IoT Sensor Networks Environmental, structural, and traffic IoT sensor integration with cloud dashboards.</p>	<p>Geospatial Platform Esri ArcGIS Enterprise, FME, SuperMap, and open-source stacks — clients own the data and the platform.</p>	<p>Analytics & Dashboards Power BI, Tableau, and ArcGIS dashboards for operations, planning, and executive reporting.</p>

HOW WE WORK

From Geospatial Survey to Live Twin



New Kuwait 2027 deliverables on your roadmap?
City-scale digital-twin programmes — survey, BIM-GIS, InSAR, IoT — delivered as one engagement.

+965 2372 4325
info@visionkuwait.com

Full Digital Twin & Smart City Service Offering

New Kuwait 2027

ISO 19650

CityGML / IFC

Esri Authorised

GEOSPATIAL CAPTURE

- Aerial photogrammetry city-wide
- LiDAR airborne and terrestrial
- Mobile mapping (Trimble MX9)
- InSAR multi-temporal stack analysis
- Bathymetric and shoreline surveys
- Ground-truth survey and verification
- High-resolution satellite tasking

BIM-GIS FEDERATION

- ISO 19650 information management
- IFC and CityGML semantic models
- Asset-information-model handover
- Federated BIM-GIS in ArcGIS Enterprise
- Reality-mesh production (Cesium 3D Tiles)
- Network and utility-asset modelling
- Indoor and campus-twin integration

MONITORING & ANALYTICS

- InSAR ground-deformation monitoring
- Structural-monitoring sensor integration
- Environmental and air-quality IoT
- Traffic and pedestrian-flow analytics
- Energy and utility-consumption analytics
- Predictive-maintenance dashboards
- Alert and notification automation

PLATFORM & DELIVERY

- Esri ArcGIS Enterprise deployment
- FME automation and ETL pipelines
- Web AppBuilder and Experience Builder
- Cesium-based 3D web viewers
- Custom Power BI and Tableau dashboards
- Training and post-handover support

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HSE · MANAGEMENT SYSTEMS

HSE Consulting & Management Systems







ISO 45001 implementation, KOC and Aramco contractor pre-qualification, NEBOSH-certified HSE personnel, and hazardous-waste programmes for industrial and construction operators.

ISO 45001 / 14001 · KOC HSE-MS · Aramco SAEP-302 · NEBOSH-Certified Team



HSE systems that pass KOC, Aramco, and OGS audits — first time.

Vision International implements HSE management systems and supports contractor pre-qualification for clients working into KOC, KNPC, KGO, KOTC, Aramco, ADNOC, and ORPIC. We develop ISO 45001 and ISO 14001 systems, write KOC HSE-MS aligned procedures, prepare SAEP-302 and Aramco-format submissions, and supply NEBOSH IGC, NEBOSH IDip, and IOSH-certified HSE personnel for project deployment. Hazardous-waste programmes, occupational-hygiene surveys, COSHH assessments, and incident-investigation services round out a single-source HSE offering.

 <p>ISO 45001 / 14001 Full management-system development, internal audit, and certification support.</p>	 <p>Contractor Pre-Qualification KOC HSE-MS, Aramco SAEP-302, ADNOC, and ORPIC pre-qualification documentation.</p>	 <p>HSE Personnel Supply NEBOSH IGC / IDip and IOSH-certified HSE managers, supervisors, and officers.</p>
 <p>Environmental & Waste KEPA permits, hazardous-waste programmes, and environmental-impact assessments.</p>	 <p>Occupational Hygiene Noise, dust, vibration, lighting, and chemical-exposure surveys per OEL standards.</p>	 <p>Incident Investigation Tap-Root, 5-Whys, and Kelvin TOP-SET investigation with corrective-action tracking.</p>

HOW WE WORK

From Gap Audit to Audit-Ready Programme



KOC or Aramco contractor pre-qualification due?
ISO 45001 build, NEBOSH-certified HSE staff, and SAEP-302 submission — single accountable team.

+965 2372 4325
info@visionkuwait.com

Full HSE Consulting & Management Systems Offering

KOC HSE-MS

Aramco SAEP-302

NEBOSH / IOSH Team

ISO 45001 / 14001

MANAGEMENT SYSTEMS

- ISO 45001 occupational H&S
- ISO 14001 environmental management
- ISO 9001 quality management
- KOC HSE-MS development
- Integrated management-system design
- Internal audit programmes
- Management-review facilitation

CONTRACTOR PRE-QUAL

- KOC HSE pre-qualification
- KNPC, KGOC, KOTC, KIPIC submissions
- Aramco SAEP-302 preparation
- ADNOC, ORPIC, OXY pre-qualification
- ASA / Sicpa / Achilles registration
- Vendor-portal documentation
- Annual renewal management

HSE PERSONNEL & TRAINING

- NEBOSH IGC and IDip personnel
- IOSH Managing Safely instructors
- Confined-space and work-at-height
- H2S, BA, and rescue training
- First-aid and AED programmes
- Behaviour-based safety programmes

OCCUPATIONAL & ENVIRONMENT

- Noise, dust, vibration surveys
- Chemical-exposure and COSHH
- Indoor-air-quality monitoring
- KEPA permits and EIAs
- Hazardous-waste programmes
- Spill response and contingency

The Vision Difference — Why Clients Choose Us



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Infrastructure

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Kuwait

& GCC COVERAGE

UXO · ERW SURVEY & CLEARANCE

UXO & ERW Survey and Clearance

Magnetometry, electromagnetic, and ROV-based UXO surveys for Burgan, Wafra, border zones, and offshore — site preparation for KOC drilling, pipeline corridors, and infrastructure works.

Cs-vapour Magnetometers · EM61 Multi-Channel · Marine UXO ROV · KOC Burgan Experience



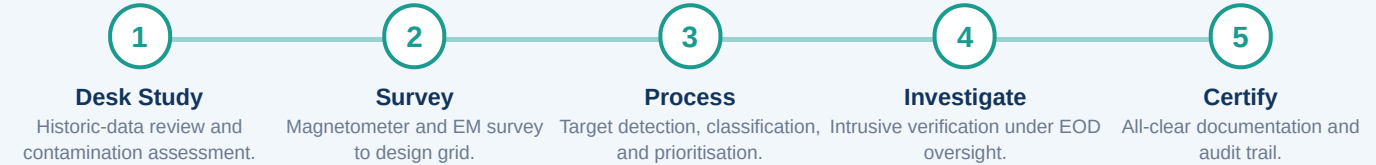
Make legacy munitions a survey deliverable — not a project surprise.

Vision International delivers unexploded-ordnance and explosive-remnants-of-war surveys for Kuwaiti land and marine sites where legacy munitions remain a real risk — Burgan oil-field expansions, Wafra well-pads, border-zone infrastructure, and offshore concessions. Survey crews deploy caesium-vapour magnetometer arrays, Geonics EM61 multi-channel detectors, and marine ROV-mounted total-field systems, with detection processing and target-prioritisation in Geosoft Oasis montaj. Where targets require investigation, we coordinate licensed disposal partners and produce all-clear documentation suitable for KOC, Kuwait Ministry of Defence, and project-insurer requirements.

<p>Burgan & Wafra UXO</p> <p>Land UXO surveys for KOC drilling-pad, pipeline, and facility expansions in legacy-impacted zones.</p>	<p>Marine UXO Survey</p> <p>ROV-mounted gradiometer and total-field sensors for ports, marine pipelines, and offshore platforms.</p>	<p>Magnetometer Arrays</p> <p>Cs-vapour total-field and gradient arrays — towed, hand-carried, and UAV-mounted configurations.</p>
<p>EM61 & TDEM</p> <p>Geonics EM61 multi-channel and time-domain EM for shallow ferrous and non-ferrous targets.</p>	<p>Target Investigation</p> <p>Re-acquisition, intrusive investigation, and target-prioritisation under licensed-EOD oversight.</p>	<p>All-Clear Documentation</p> <p>KOC, MoD, and project-insurer-grade documentation with raw data, processing, and certification.</p>

HOW WE WORK

From Desk Study to All-Clear Certificate



Full UXO & ERW Survey and Clearance Offering

KOC Aligned

MoD Liaison

Land & Marine

Licensed EOD Partners

LAND UXO SURVEY

- Cs-vapour total-field magnetometers
- Multi-sensor gradient arrays
- Hand-carried and pushed configurations
- UAV-mounted magnetometer flights
- Geonics EM61 multi-channel arrays
- Time-domain EM (TDEM) for deep targets
- RTK-GNSS positioning to sub-decimetre

MARINE UXO SURVEY

- ROV-mounted gradiometers
- Towed total-field magnetometer arrays
- Multi-beam and side-scan integration
- Sub-bottom profiler integration
- Diver-assisted target re-acquisition
- Port, jetty, and pipeline-corridor surveys

PROCESSING & TARGETING

- Geosoft Oasis montaj processing
- Anomaly extraction and classification
- Dipole-fitting and depth-estimation
- Target prioritisation by signature
- Re-acquisition list and field maps
- Database and GIS deliverables

INVESTIGATION & CLEARANCE

- Re-acquisition with handheld sensors
- Intrusive target verification
- Licensed-EOD partner coordination
- Disposal supervision and witness
- All-clear documentation and reports
- Insurance and KOC-grade certification

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