



Pioneering Excellence in Geodetic Survey & Control Network (VRS)

**High-Precision Geodetic Control for Reliable
Surveying and Positioning**

KUWAIT-BASED | MIDDLE EAST, ASIA & AFRICA | ESTABLISHED 2004



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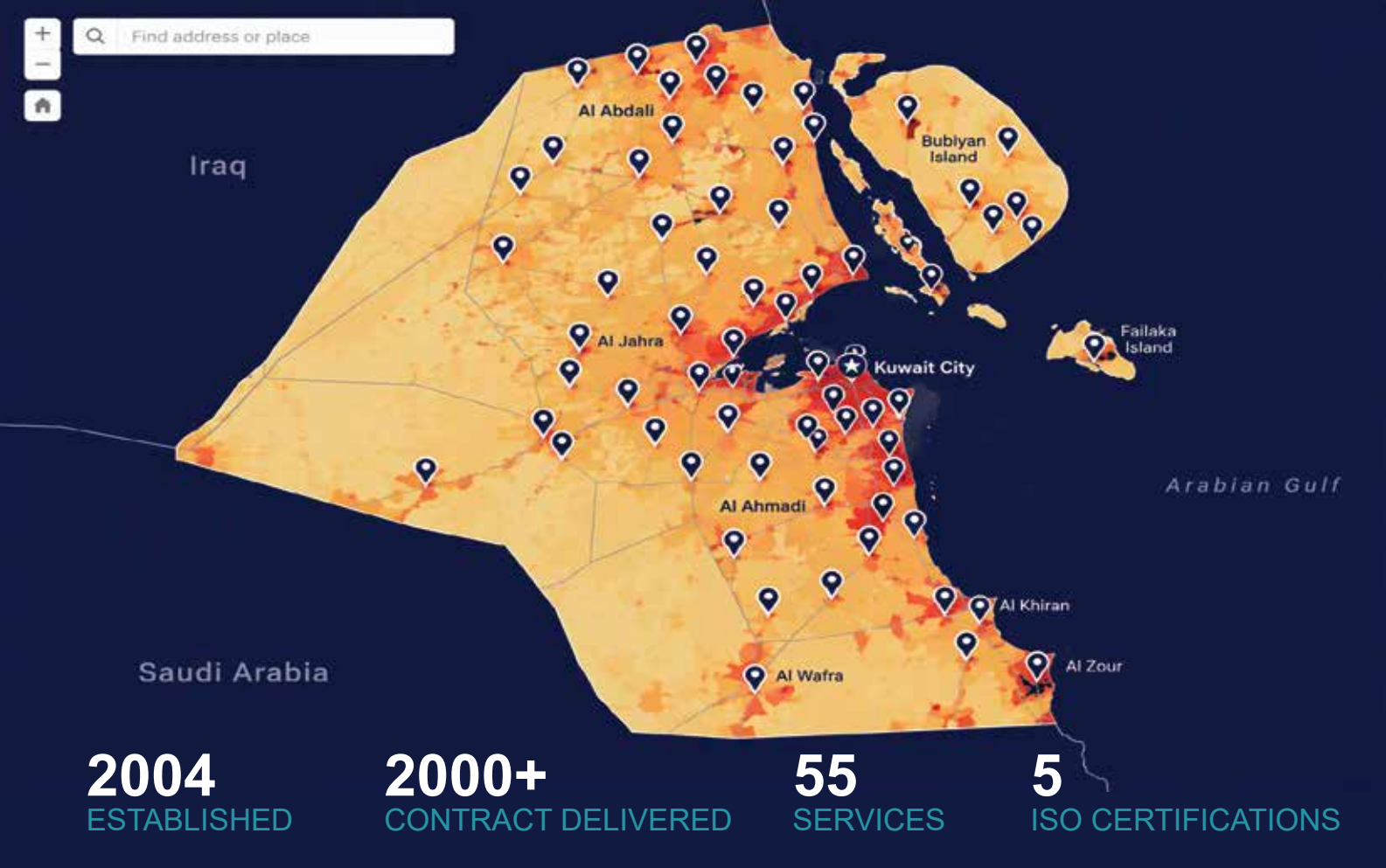
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About Us

Vision International is a Kuwait-based engineering services company established in 2004. The company delivers integrated geo-solutions across surveying, geotechnical investigation, geophysics, laboratory testing, engineering, digital platforms and specialized safety services throughout Middle East, Asia and Africa. Within Specialized Safety & Risk Services, Vision supports construction, infrastructure, defence and oil & gas operations where unexploded ordnance and explosive remnants of war may present a hazard. Services combine risk assessment, geospatial intelligence, magnetometer-based survey, target investigation, intrusive clearance, risk education, standby EOD support and documented hand-back.

Our Services Include:

- Primary Geodetic Control Establishment
- Secondary Control Network Development
- VRS/RTK Control Point Establishment
- GNSS Static Survey
- Control Point Densification



Our Mission

'To deliver precise positioning intelligence through advanced geodetic surveying and VRS technology.'

Service Description

Overview

Vision International provides high-precision Geodetic Survey and Control Network (VRS) services for establishing, densifying, and validating reliable horizontal and vertical control points. Our services support topographic, engineering, construction, infrastructure, marine, and oil & gas survey projects. The control network is established using GNSS technology, VRS/CORS corrections, precise static and RTK observations, supported by rigorous field procedures and quality control.

Scope of Work

- Establishment of primary and secondary geodetic control points.
- GNSS static observations and high-precision coordinate determination.
- VRS/RTK-based control point establishment and densification.
- Horizontal and vertical control network development.
- Coordinate transformation and datum establishment.
- Benchmark establishment and level control verification.
- Control point monumentation, identification, and documentation.
- Network adjustment and coordinate computation.
- Verification and quality control of existing survey control points.
- Preparation of control network drawings, coordinate lists, and survey reports.

Benefits

- High positional accuracy and reliable survey control.
- Consistent coordinate reference for multiple survey teams.
- Improved efficiency for large-scale survey projects.
- Reduced positioning errors and rework.
- Reliable control for construction and engineering activities.
- Fast deployment using GNSS/VRS technology.
- Traceable and well-documented survey control network.

Equipment & Technology

Advanced Tools for Geodetic Survey & Control Network (VRS)

Vision International utilizes modern GNSS equipment and geodetic accessories for establishing high-accuracy control networks.

GNSS Receiver Trimble NetR9

High-precision GNSS observations for geodetic control and static surveying



GNSS Antenna Trimble Choke Ring Antenna with Dome

Multipath-resistant geodetic antenna for high-accuracy GNSS observations

VRS / RTK Network VRS / CORS Network

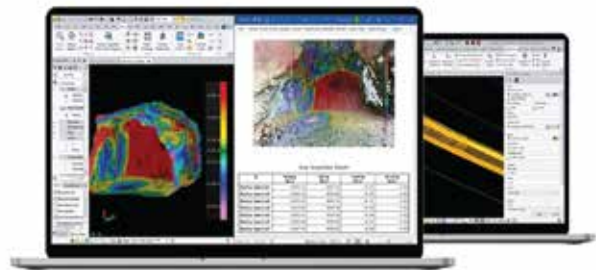
Real-time correction services for accurate positioning and control point establishment





GNSS Data Processing Trimble Business Center (TBC)

GNSS baseline processing, network adjustment, coordinate computation and QA/QC



Survey Accessories Geodetic Tribrach

Stable and precise instrument setup for control observations

Survey Accessories Precision Tripod & Accessories

Stable and precise instrument setup for control observations



Our Services

Geodetic Survey & Control Network Technology

Vision International delivers advanced geodetic surveying and VRS network technology across the Middle East, Asia, and Africa, providing precise real-time positioning and reliable survey control for complex projects.

01

Trimble NetR9 Receiver

High-performance GNSS receiver used for precise static observations and establishment of geodetic control points.

02

Trimble Choke Ring Antenna with Dome

A geodetic-grade antenna designed to minimize multipath and improve GNSS signal reception, particularly for high-precision control surveys.

03

VRS / CORS Corrections

Virtual Reference Station technology provides network-based GNSS corrections, enabling efficient and accurate real-time positioning without the need to establish a physical base station at every location.

Geodetic Survey & Control Network (VRS) Service offering

Vision International delivers advanced geodetic surveying and VRS network control services across the Middle East, Asia, Africa, and marine environments, providing precise positioning, reliable survey control, and consistent geospatial data for complex projects.

Service

- Primary Geodetic Control Establishment
- Secondary Control Network Development
- VRS/RTK Control Point Establishment
- GNSS Static Survey
- Control Point Densification

Service

- Benchmark Establishment and Verification
- Horizontal & Vertical Control Surveys
- Coordinate Transformation
- Datum and Projection Verification
- Existing Control Point Verification
- GNSS Network Adjustment

Service

- Control Point Monumentation
- Control Network Drawings
- Coordinate Schedules and Control Registers
- Survey Control Reports
- QA/QC and Accuracy Assessment

“Create an accurate
digital record
of the site.”



Typical Deliverables

Deliverables

- Control Network Layout Drawing
- Control Point Coordinate List
- Easting, Northing & Elevation Data

Deliverables

- Control Point Description Sheets
- GNSS Observation/Data Files

Deliverables

- GNSS Processing and Adjustment Reports
- Benchmark Register

Deliverables

- Control Network Report
- As-Built / Final Control Drawings





SERVICE Workflow

Service Overview

The eight-stage workflow has been condensed into a clear service overview while retaining the full process, from project briefing and field capture through processing, quality control, reporting, and final delivery.

1. Project Briefing

Understand project requirements, survey specifications, coordinate system, datum and accuracy requirements.

2. Planning

Review available control, select suitable control locations and prepare the GNSS observation plan.

3. Mobilization

Mobilize qualified survey personnel, GNSS equipment, control monuments and field accessories.

4. Reconnaissance

Inspect existing benchmarks and control points and identify suitable locations for new control points.

5. Field Operations

Conduct GNSS static, rapid-static and/or VRS/RTK observations according to project requirements.

6. Processing & Analysis

Process GNSS observations, calculate baselines, perform network adjustment and verify coordinates.

7. Quality Control

Conduct independent checks, closure verification, repeat observations and accuracy assessment.

8. Reporting & Final Delivery

Prepare control network drawings, coordinate schedules, control point descriptions and final survey report.

Key Capabilities Summary

The key capabilities summary outlined

- Qualified surveyors and geospatial professionals experienced in geodetic control and GNSS surveying.
- Utilization of Trimble NetR9 GNSS receivers and Trimble Choke Ring Antennas with Dome, supported by VRS/CORS technology.
- Precision GNSS observations and rigorous processing procedures provide reliable project control.
- Ability to rapidly deploy survey teams and equipment for large-scale and time-critical projects.
- Established QA/QC procedures ensure control coordinates meet project specifications and required accuracy.
- Control networks can be integrated with topographic, underground utility, bathymetric, geotechnical, construction and engineering surveys.

The Company Highlights

- Experienced geodetic surveying and control-network team
- Advanced GNSS, CORS and VRS positioning technology
- Expertise in establishing and maintaining high-precision survey control networks
- Integrated static GNSS, RTK, VRS and precise levelling capabilities
- Reliable datum definition, coordinate transformation and geodetic adjustment
- Experienced field surveyors and geospatial data-processing specialists
- Rigorous QA/QC, network validation and technical reporting procedures
- Rapid mobilization for control establishment, verification and densification
- Accurate, consistent and traceable survey-control deliverables
- Strong commitment to HSE, quality standards and project specifications

What sets us apart?



With the key personnels, specialists and geotechnical engineers, Vision International combines advanced 3D laser scanning and reality-capture expertise with precision engineering to deliver accurate digital representations beyond conventional surveying methods.

Integrated geo-solutions

Survey, geophysics, geotechnical, laboratory, engineering, GIS and specialized safety capabilities support multi disciplinary delivery.

Middle East, Asia and Africa operating context

Established in Kuwait since 2004 with experience serving oil & gas, infrastructure, government and construction stakeholders.

Technology-enabled delivery

GNSS, magnetometry, GIS, CAD/BIM-compatible data and digital records support field quality and decision-making.

Controlled documentation

Structured work plans, field records, maps, clearance evidence and residual-risk communication strengthen auditability.



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