



COMPASS
SURVEYING & GEOTECHNICAL

COMPANY PROFILE • 2026

PRECISION THAT MATTERS

Surveying & Geotechnical Services in the GCC

Land surveying, 3D laser scanning, BIM and geotechnical investigation for engineers, developers, contractors and government authorities across Qatar, Saudi Arabia and the UAE.

SURVEY

3D SCANNING

BIM & GIS

GEOTECHNICAL

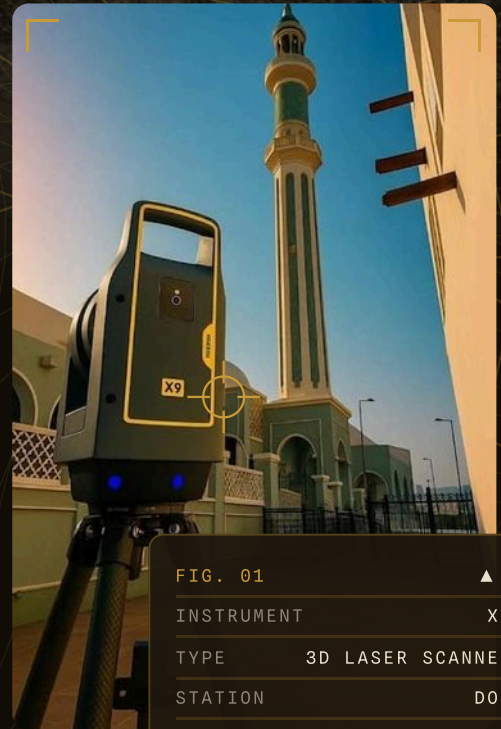


FIG. 01

▲ N

INSTRUMENT	X9
TYPE	3D LASER SCANNER
STATION	DOH
LAT	25.2854°N
LONG	51.5310°E



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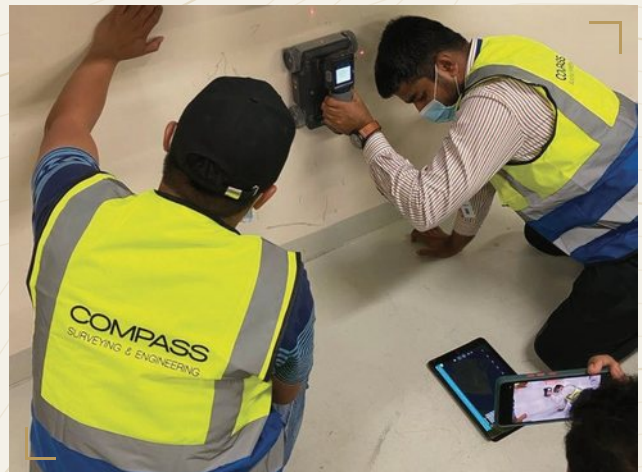
We challenge every angle and perspective to deliver precision that matters.

Compass Surveying & Engineering, originating in Qatar, is a pioneering company renowned for its expertise in Survey Engineering, 3D Scanning, and BIM Modeling. Expanding its horizons, Compass has extended its operations, establishing branches in Saudi Arabia and the UAE while continuing its legacy of excellence in the field.



BACKGROUND • OUR STORY

We specialize in delivering comprehensive land surveying and engineering solutions. Our dedicated teams of seasoned surveyors and skilled draftsmen bring forth a wealth of technical expertise, consistently delivering exceptional performance in every project.



ABOUT US

With more than 30 years of combined staff experience at COMPASS, our team is comprised of the highest grade land surveyors, draftsman, and geodetic engineers.

EXPERIENCE

30+ years

OFFICES

Doha • Riyadh •
Dubai

DISCIPLINES

14 services

Precision that matters.

Our experienced staff always aim for the sky, surpassing expectations. We challenge every angle and perspective to deliver to your needs with the help of the latest technology.

COMPASS is determined in becoming the premier outlet for Survey and Engineering Solutions in Qatar, Saudi Arabia and the UAE, taking on a comparative advantage over the competition.



WHAT WE HOLD TO

01

Precision

Every measurement holds. Accuracy is the whole product.

EL +42.0 m

02

Experience

Thirty-plus years of combined expertise on the ground.

EL +36.0 m

03

Technology

Drone, 3D scanning and BIM, applied where they earn their place.

EL +30.0 m

04

Reliability

Consistent performance, project after project.

EL +24.0 m

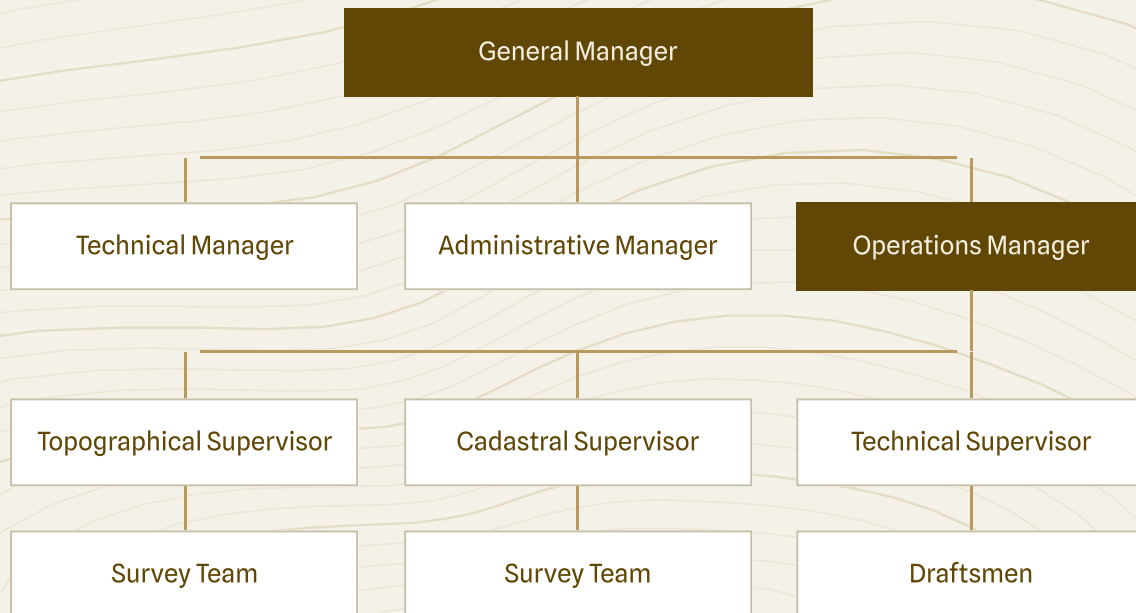
05

Partnership

Invested in your outcome, not just the deliverable.

EL +18.0 m

Company organisation chart.



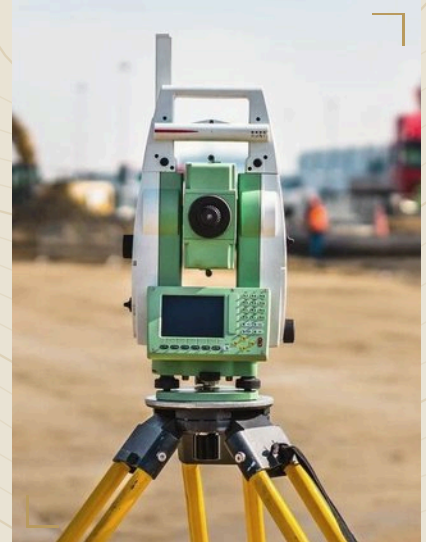
FIELD Topographical and cadastral survey teams, each under its own supervisor.

OFFICE Draftsmen under the technical supervisor turn field data into deliverables.

We're invested in your needs.

Our team provides full-service surveys catered to your needs, including but not limited to:

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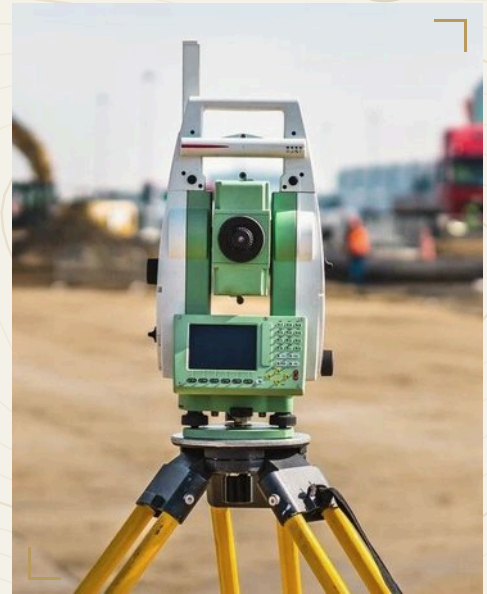


ALSO ON REQUEST

- Construction Survey
- Manpower Hire
- Concrete & Reinforcement Scan
- Volume, Cut and Fill Survey
- Drone Survey & Marine Survey

Topographic Surveys

At Compass, we offer professional Topographic Survey Services to support every stage of your project's planning and development. Our detailed surveys provide essential data about land features, elevations, and existing structures, ensuring your project starts with the clearest view of the terrain.



OUR TOPOGRAPHIC SURVEY SERVICES INCLUDE:

01 Detailed Land Mapping

Comprehensive Terrain Analysis. Accurate mapping of natural and man-made features, including slopes, elevations, trees, roads, and structures.

Contour and Elevation Data. High-precision data on land contours and elevations for effective project planning and design.

02 Pre-Construction Surveys

Foundation for Planning. Accurate site data that informs the design and engineering phases of construction projects.

Risk Mitigation. Identifying potential land challenges early to avoid costly surprises during development.

03 Boundary Integration

Property Line Coordination. Incorporation of boundary data with topographic information for complete site documentation.

Comprehensive Reports. Surveys that combine property boundaries with topographical details, ideal for large-scale projects.

04 Digital Mapping & 3D Modeling

Cutting-Edge Technology. Utilization of drone-based photogrammetry and laser scanning (LiDAR) for high-resolution, 3D topographic models.

Enhanced Visualization. Digital models that assist in better visualization, analysis, and decision-making.

05 Environmental Assessments

Sustainable Planning. Surveys that support environmental impact studies by documenting land features and natural resources.

Compliance and Documentation. Helping you meet local regulations and environmental requirements with accurate site data.

Topographic Surveys • on site.

SERVICE Topographic + Utilities(GPR)Survey

02.01.01

PROJECT King Khalid Airport

CLIENT Riyadh Airports Company (RAC)



SERVICE Topographic Survey w/ Utilities

02.01.02

PROJECT HIA Landside Plot

CLIENT Dar Al Handasah



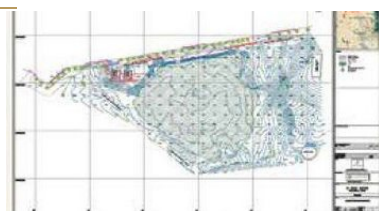
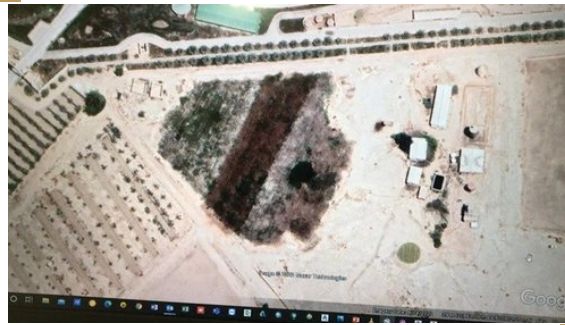
Topographic Surveys • on site.

SERVICE Topographic Survey & Utilities

02.01.03

PROJECT Al Zaraa (UMM Slal)

CLIENT FD Consult

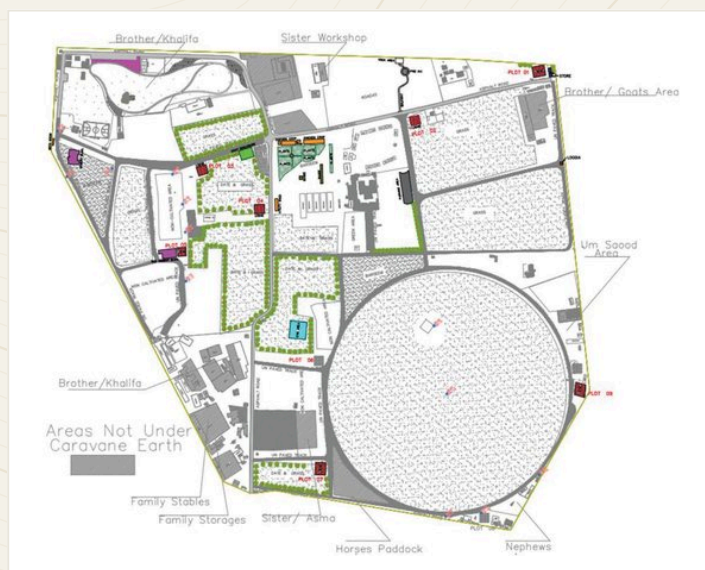


SERVICE Topographic Survey

02.01.04

PROJECT Heenat Salma Farm (Al Shahaniyah)

CLIENT Caravane Earth



Topographic Surveys • on site.

SERVICE Topographic Survey(4000 Hectares)

02.01.05

PROJECT Ras Al Khair

CLIENT Royal Commission



SERVICE Topographical Survey

02.01.06

PROJECT Field record



Underground Utilities Survey

At Compass, our Underground Utilities Survey Services are designed to map and identify buried infrastructure accurately and efficiently. We help you plan construction and excavation projects with confidence, avoiding costly disruptions and enhancing site safety.



OUR COMPREHENSIVE SERVICES:

01 Utility Location & Mapping

Precise Identification. Detection and mapping of underground utilities such as water, gas, sewer, electrical, and telecommunication lines.

Clear Visualization. Detailed maps showing the location and depth of subsurface utilities to support safe excavation and planning.

02 Ground Penetrating Radar (GPR) Surveys

Non-Destructive Scanning. Advanced GPR technology provides a clear view of buried utilities without the need for excavation.

Comprehensive Subsurface Data. Accurate information about utility positioning and potential obstacles.

03 Electromagnetic Detection

Advanced Utility Tracing. Using electromagnetic methods to identify conductive utilities with high accuracy.

Enhanced Safety. Ensuring precise location data to mitigate the risks of utility strikes during construction.

04 Utility Mapping Integration

2D and 3D Mapping. Delivering clear and customizable utility maps to assist engineers, planners, and construction teams.

GIS Integration. Seamless integration with Geographic Information System (GIS) platforms for improved data analysis and project management.

05 Utility Condition Assessments

Detailed Inspections. Assessing the condition of existing utilities to determine the need for maintenance or replacements.

Proactive Solutions. Providing data that supports preventative maintenance and long-term infrastructure planning.

06 As-Built Utility Surveys

Verification Post-Installation. Confirming that utility installations match design plans and updating records for future reference.

Accurate Documentation. Ensuring that as-built conditions are precisely documented for project archives.

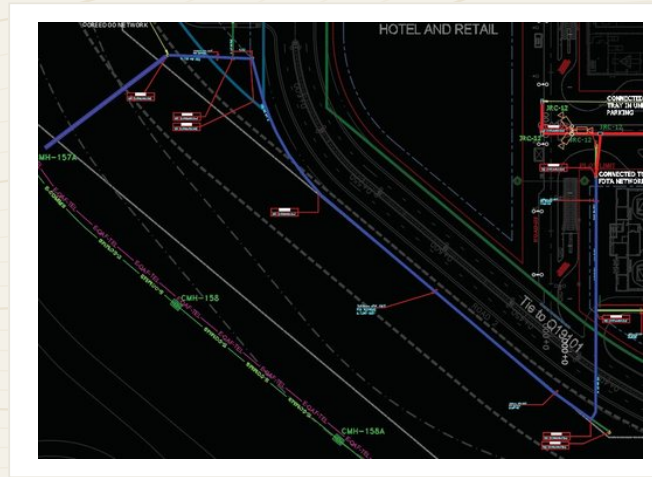
Underground Utilities Survey • on site.

SERVICE QRHC Telecom Survey

02.02.01

PROJECT HIA Landside

CLIENT Dar Al Handasah

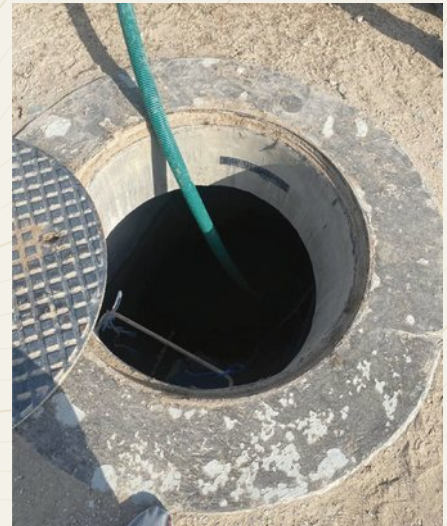
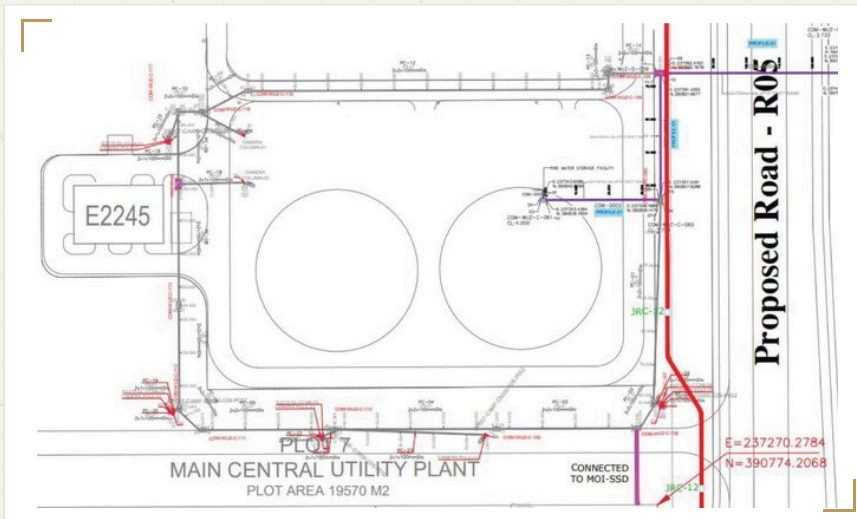


SERVICE QRHC Telecom Survey

02.02.02

PROJECT HIA Landside

CLIENT Dar Al Handasah



Underground Utilities Survey • on site.

PROJECT Utilities (GPR) Survey

02.02.03



SERVICE Utilities Survey

02.02.04

PROJECT Field record



As-Built Surveys

At Compass, we specialize in providing As-Built Survey Services that offer a comprehensive and precise record of your completed construction projects. Our surveys provide critical data that verifies the actual dimensions, locations, and conditions of structures and systems as they were built, ensuring compliance with design specifications and facilitating future planning.



OUR SERVICES INCLUDE:

01 Comprehensive As-Built Documentation

Detailed Surveys. Conducting thorough measurements of all structural elements, utilities, and site features to document their exact locations and conditions.

Accurate Representation. Creating accurate as-built drawings that reflect the final constructed state of the project, including any changes made during construction.

02 3D Modeling and Visualization

Advanced 3D Models. Utilizing state-of-the-art technology to create detailed 3D models of the built environment for enhanced visualization.

Clash Detection. Identifying potential conflicts in existing infrastructure through 3D modeling, assisting in future renovations or expansions.

03 Compliance Verification

Code and Regulation Compliance. Ensuring that the constructed project aligns with local codes, regulations, and design specifications.

Quality Assurance. Providing documentation that verifies the accuracy of the construction process for stakeholders and regulatory bodies.

04 Integration with Project Management

Coordination with Stakeholders. Working closely with architects, engineers, and contractors to ensure that as-built data integrates seamlessly with project documentation.

Streamlined Communication. Offering clear and concise reporting that facilitates effective communication among all project stakeholders.

05 Customizable Reporting

Tailored Deliverables. Providing reports and drawings in formats that suit your project's specific needs, including CAD files, PDF documents, and GIS data.

Visual Documentation. Including photographs and diagrams to enhance the clarity and usability of as-built records.

06 Post-Construction Support

Future Planning Assistance. Offering ongoing support for renovations, maintenance, and future expansions based on as-built data.

Historical Reference. Maintaining accurate records for future reference, ensuring that changes to the built environment are well-documented.

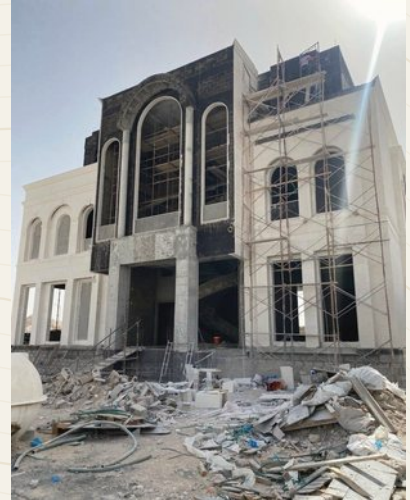
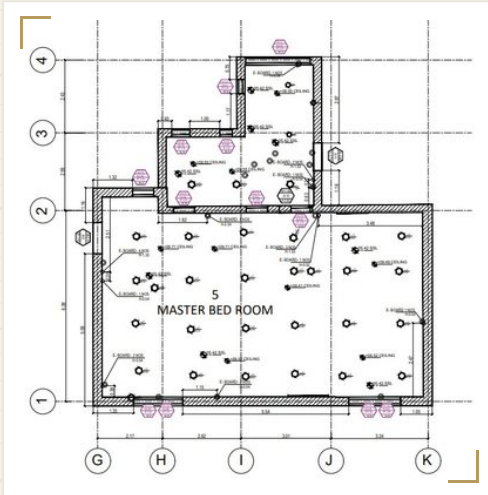
As-Built Surveys • on site.

SERVICE As-Built Survey

02.03.01

PROJECT Private villa

CLIENT EVA Interiors

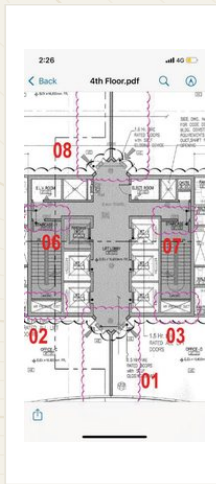


SERVICE 3D Scan + 2D As Built OCD Approval

02.03.02

PROJECT Barwa Al sadd complex

CLIENT Barwa (Al Waseef)



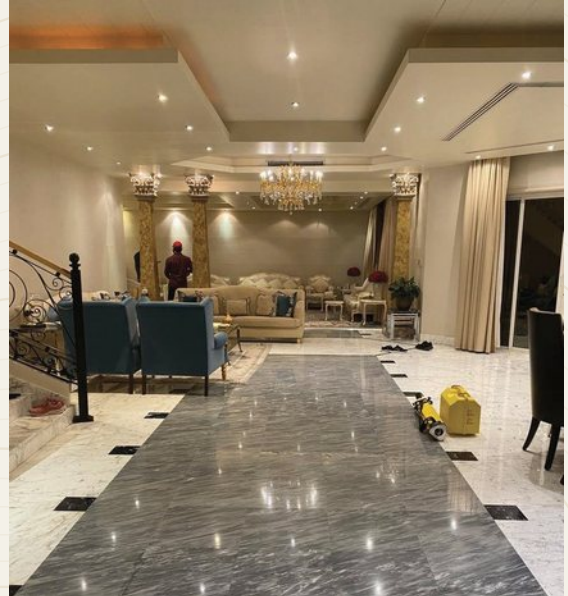
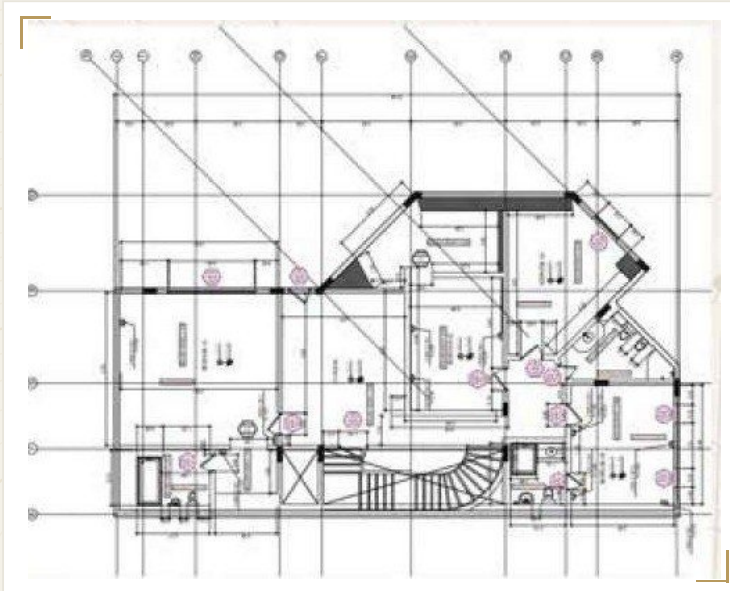
As-Built Surveys · on site.

SERVICE As-Built Survey

02.03.03

PROJECT Private Villa

CLIENT EVA Interiors



SERVICE As-Built Survey

02.03.04

PROJECT Penthouse(pearl)

CLIENT BES



Setting-Out Survey

At Compass, we offer professional Stake-Out & Layout Services to ensure your construction project starts on the right foot. Our expert team provides accurate staking and layout services that help translate your design plans into reality, ensuring every detail aligns perfectly with your project specifications.



OUR SERVICES INCLUDE:

01 Site Layout Services

Accurate Site Assessment. Comprehensive evaluation of the site to determine optimal layout based on project specifications and local regulations.

Detailed Marking. Clear marking of boundaries, building footprints, and utility locations to guide construction teams.

02 Stake-Out Services

Precision Staking. Using advanced equipment to stake out critical points on-site, including property lines, foundations, and structures.

Alignment and Leveling. Ensuring all stakes are properly aligned and leveled to facilitate accurate construction.

03 Grading and Elevation Surveys

Elevation Verification. Conducting surveys to confirm existing elevations and grades, providing essential data for site preparation.

Grading Plans. Developing grading plans that promote effective drainage and site stability.

04 Coordination with Design Teams

Collaborative Approach. Working closely with architects, engineers, and contractors to ensure the layout matches design intentions.

Real-Time Adjustments. Making necessary adjustments based on design updates or site conditions to keep projects on track.

05 Comprehensive Reporting

Detailed Layout Plans. Providing thorough reports and layout plans that document all staking and layout activities.

Visual Documentation. High-quality photographs and diagrams that capture the layout process for project records.

06 Post-Layout Support

Ongoing Assistance. Offering support throughout the construction process to address any layout-related queries or adjustments.

Final Verification. Conducting final checks to ensure that all elements are installed as per the layout plan.

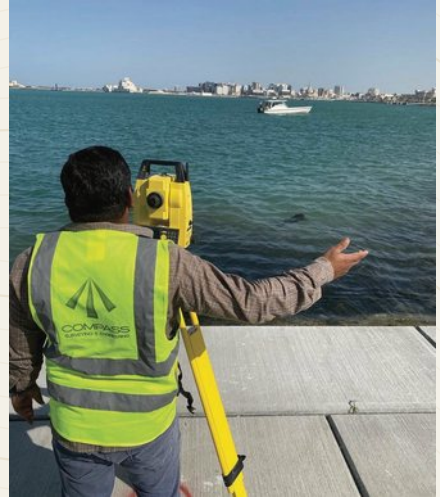
Setting-Out Survey • on site.

SERVICE **Setting Out Survey Consultant**

02.04.01

PROJECT **Worldcup Fireworks & Drone Show Corniche**

CLIENT **BWS**



SERVICE **Setting Out**

02.04.02

PROJECT **Italian Restaurant at Sheraton Hotel**

CLIENT **Sheraton Hotel**

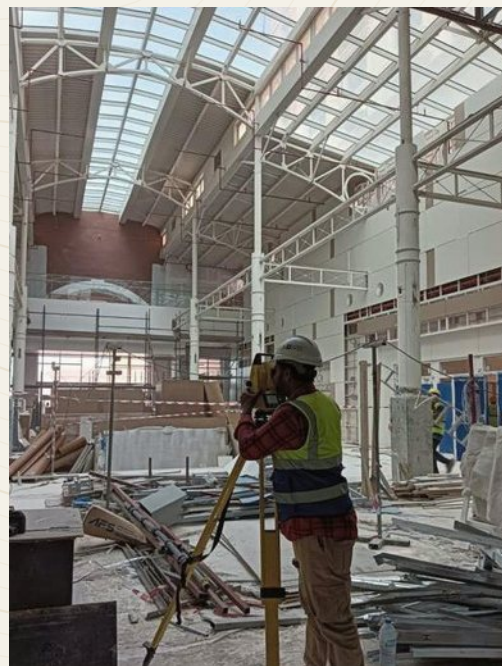


Setting-Out Survey · on site.

SERVICE Setting out survey

PROJECT Turkish Hospital

02.04.03



Boundary & Cadastral Survey

At Compass, we offer professional Boundary & Cadastral Survey Services designed to establish or reestablish the legal boundaries of properties. Our comprehensive surveys help clients identify property lines, resolve boundary disputes, and support land development with accurate and reliable data.



OUR SERVICES INCLUDE:

01 Property Boundary Identification

Accurate Boundary Marking. Determining and marking the precise limits of property lines to prevent disputes and guide development.

Legal Descriptions. Providing detailed boundary descriptions in accordance with legal standards for land registration and documentation.

02 Cadastral Mapping

Detailed Property Maps. Creating accurate cadastral maps that illustrate property divisions, dimensions, and relevant features.

Compliance with Regulations. Ensuring all surveys and maps meet local, regional, and national regulatory requirements.

03 Land Subdivision Surveys

Subdivision Planning. Assisting in the division of land parcels for development or sale, ensuring compliance with zoning and municipal laws.

Plat Creation. Preparing plats and survey documents for land subdivision, facilitating easy filing with government authorities.

04 Boundary Dispute Resolution

Expert Testimony. Offering professional expertise and testimony in court or mediation settings to support the resolution of boundary disputes.

Document Review. Assessing existing property documents, prior surveys, and land records to provide accurate boundary insights.

05 Title and Deed Verification

Title Research. Reviewing and verifying property titles, deeds, and other legal documents to ensure consistency with survey findings.

Historical Data Analysis. Analyzing historical land data and previous surveys for a comprehensive understanding of property boundaries.

06 Comprehensive Reporting

Survey Documentation. Providing clear and detailed reports that include maps, boundary markers, and legal descriptions.

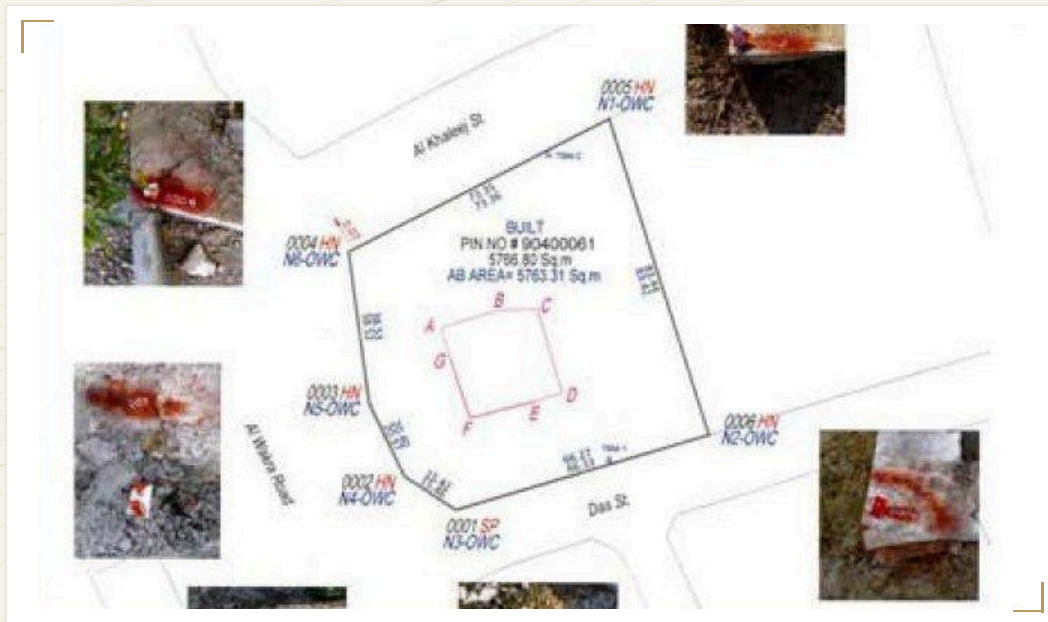
Customizable Formats. Delivering survey results in multiple formats, including digital and hard-copy versions, to meet client needs.

Boundary & Cadastral Survey · on site.

SERVICE Plot Boundary & Building

PROJECT **FD Consult**

02.05.01



BOUNDARY COORDINATES		
NAME	EASTING	NORTHING
N0001	238932.258	381155.697
N0002	238919.333	381164.177
N0003	238910.398	381182.483
N0004	238905.110	381220.639
N0005	238970.307	381254.253
N0006	238995.778	381174.792
BUILDING COORDINATES		
A	238928.476	381201.733
B	238942.658	381206.016
C	238952.545	381206.436
D	238958.895	381185.346
E	238951.874	381183.017
F	238935.731	381178.848
G	238930.372	381194.617

Control Point & Benchmark

We provide precise control point and benchmark setting for your projects, ensuring accurate and reliable reference markers for construction, land surveys, and infrastructure development. Our experts establish control points to maintain project alignment, elevation, and measurement consistency. Benchmarks serve as fixed reference levels, crucial for accurate distance and height measurements, supporting your project's success through precision and reliability. With state-of-the-art equipment and methodologies, we guarantee top-tier surveying services that meet industry standards.



SCOPE

Accurate Control Points. Establish precise reference markers for survey and construction projects to maintain consistency in measurements.

Consistency Across Phases. Support seamless transitions across project stages by maintaining uniform data points for design, layout, and construction.

Timely & Precise Results. Efficient service delivery to keep your project on schedule while ensuring exact measurements.

Reliable Benchmarks. Provide fixed elevation benchmarks essential for accurate height, distance, and alignment calculations throughout the project lifecycle.

Advanced Technology. Use of state-of-the-art equipment for high accuracy, ensuring compliance with industry standards.

Building Information Modeling (BIM)

Unlock a smarter, more efficient approach to designing, constructing, and managing buildings with Building Information Modeling (BIM). BIM is a digital process that creates and manages 3D models of a building's physical and functional characteristics, enabling seamless collaboration across all project stages. Here's how BIM benefits your project:



SCOPE

Enhanced Collaboration. Real-time data sharing keeps architects, engineers, contractors, and stakeholders aligned, reducing miscommunication and improving efficiency.

Efficient Resource Management. Optimize material usage and reduce waste through precise planning and simulations, lowering costs and promoting sustainable building practices.

Lifecycle Management. Beyond construction, BIM data supports facility management, maintenance, and renovation, making it a valuable tool for the entire building lifecycle.

Increased Accuracy and Visualization. 3D modeling allows for detailed visualization and accurate project plans, minimizing errors, costly reworks, and unforeseen issues.

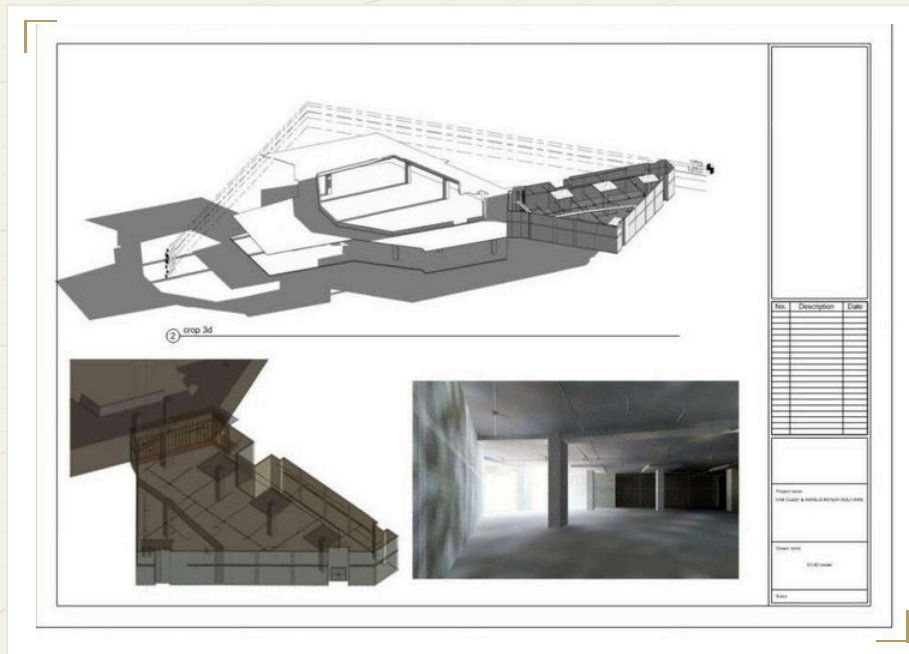
Improved Decision-Making. BIM offers data-driven insights at each project phase, allowing for informed decision-making and more predictable outcomes.

Building Information Modeling (BIM) • on site.

SERVICE Building Information Modeling (BIM)

02.07.01

PROJECT CSP



SERVICE Building Information Modelling(BIM)

02.07.02

PROJECT Pearl International Hospital



Geographic Information System (GIS)

Harness the power of location-based insights with Geographic Information System (GIS). GIS is a cutting-edge technology that captures, analyzes, and visualizes spatial data, enabling businesses, governments, and organizations to make informed, data-driven decisions. Discover how GIS can transform the way you understand and interact with the world around you.



SCOPE

Enhanced Decision-Making. GIS provides valuable geographic insights, supporting smarter, more strategic decisions across industries like urban planning, environmental management, and logistics.

Efficient Resource Management. Optimize the management of natural resources, utilities, and transportation routes by mapping locations, analyzing trends, and planning more effectively.

Real-Time Analysis. Access real-time data to respond quickly to dynamic situations like traffic monitoring, disaster response, and environmental changes.

Data Visualization. Translate complex data into interactive maps, graphs, and models, making it easy to interpret spatial relationships and patterns.

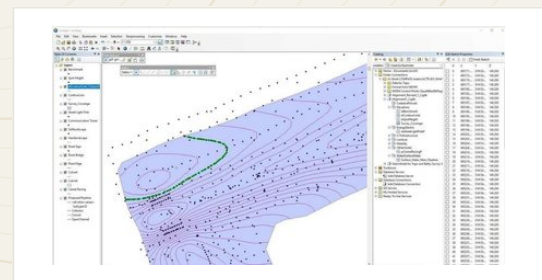
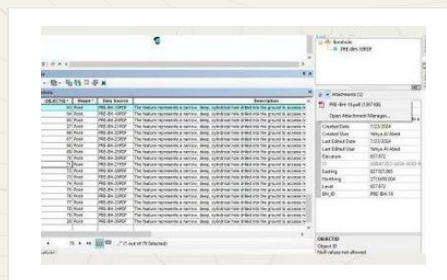
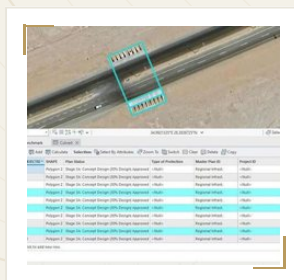
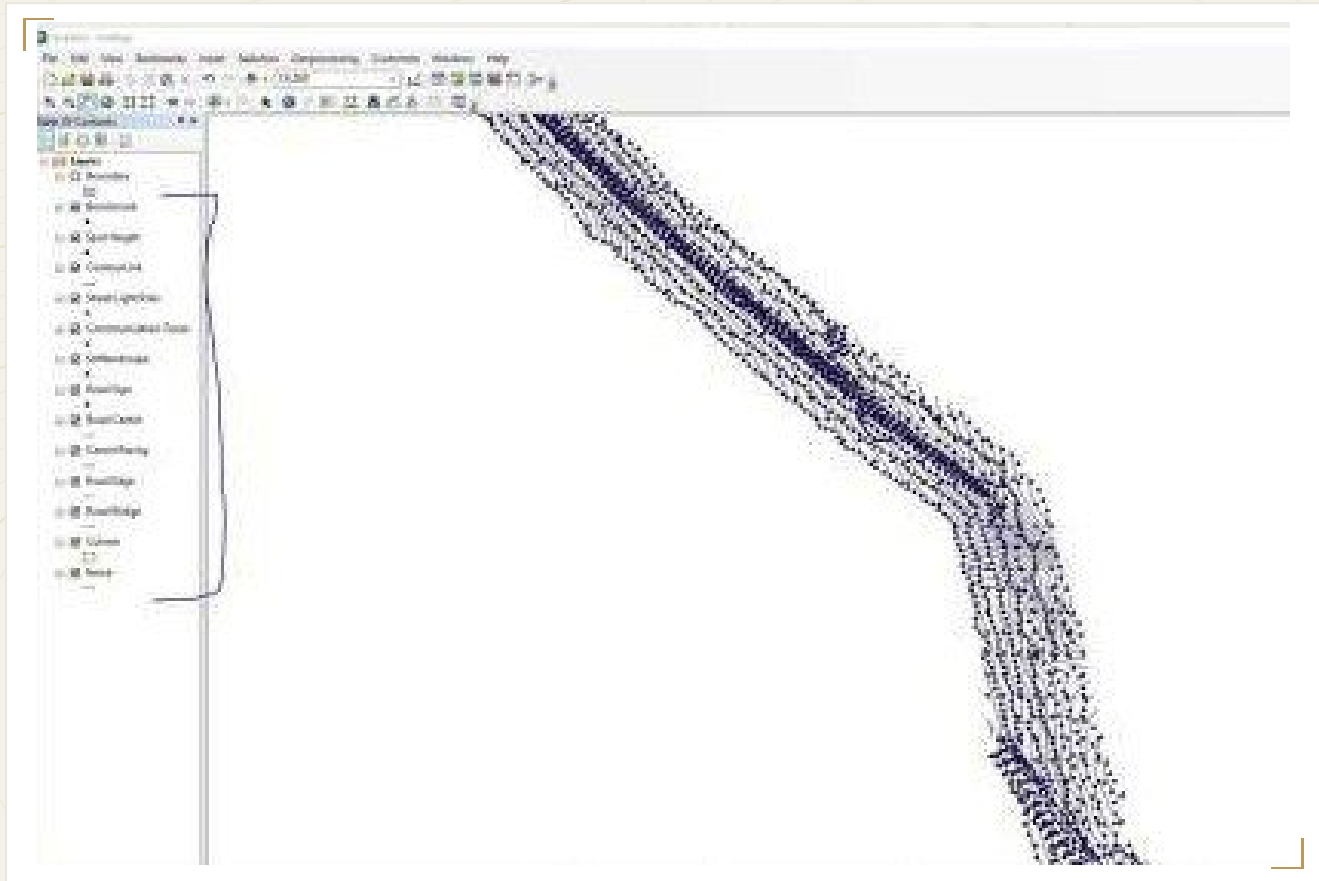
Improved Communication. GIS bridges communication between stakeholders by visualizing data in clear, accessible formats, enhancing collaboration and public engagement.

Geographic Information System (GIS) • on site.

SERVICE Geographic Information System (GIS)

02.08.01

PROJECT Asset Management



Drone Survey

At Compass, we provide state-of-the-art Drone Survey Services that revolutionize the way data is collected and analyzed for construction, land development, and environmental projects. Our advanced drone technology ensures efficient, accurate, and cost-effective survey solutions.



OUR SERVICES INCLUDE:

01 Aerial Mapping & Topographic Surveys

High-Resolution Imagery. Capturing high-definition aerial images to create detailed topographic maps for land assessment and planning.

Digital Elevation Models (DEMs). Generating 3D models that provide accurate elevation data for various applications, including infrastructure development.

02 Construction Progress Monitoring

Regular Aerial Inspections. Conducting periodic drone flights to monitor and document construction progress, ensuring project milestones are met.

Visual Progress Reports. Delivering clear and comprehensive reports that illustrate the current status of construction projects.

03 Volume & Stockpile Measurement

Precise Volume Calculations. Measuring stockpile volumes quickly and accurately to aid in inventory management and project costing.

Efficient Data Collection. Collecting data faster and more safely compared to traditional ground-based methods.

04 Land & Property Surveys

Boundary Mapping. Defining property boundaries with precision to support legal documentation and property development.

Site Planning Support. Providing detailed aerial surveys to assist with site planning and feasibility studies.

05 Environmental & Agricultural Surveys

Habitat and Vegetation Analysis. Mapping land cover and vegetation health to support environmental assessments and conservation efforts.

Agricultural Monitoring. Assisting farmers with crop health analysis, irrigation management, and precision agriculture strategies.

06 Infrastructure Inspection

Bridge & Roadway Inspections. Using drones to perform close inspections of hard-to-reach areas, ensuring structural integrity and safety.

Utility Line Surveys. Monitoring power lines and pipelines to detect issues early and prevent potential hazards.

07 3D Modeling & Photogrammetry

Detailed 3D Models. Creating highly accurate 3D models of terrain and structures for project planning, visualization, and simulation.

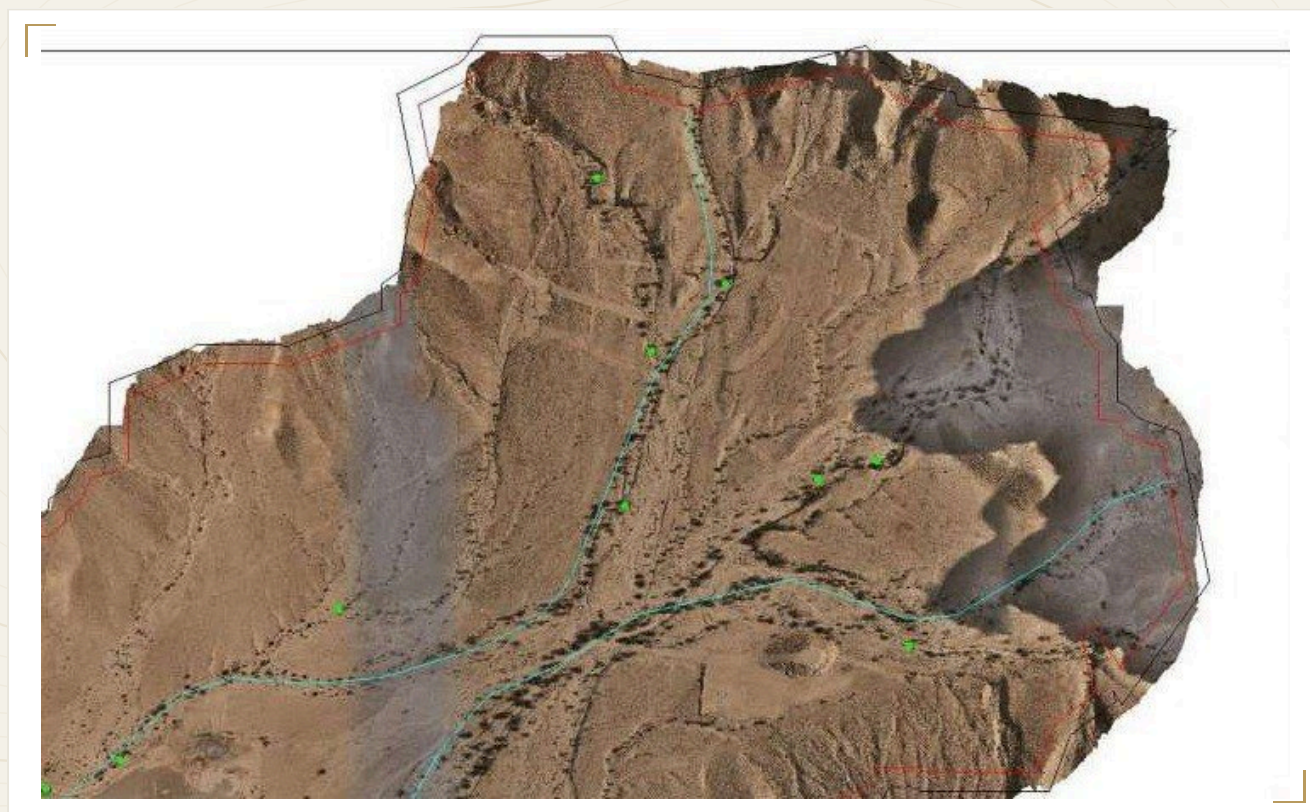
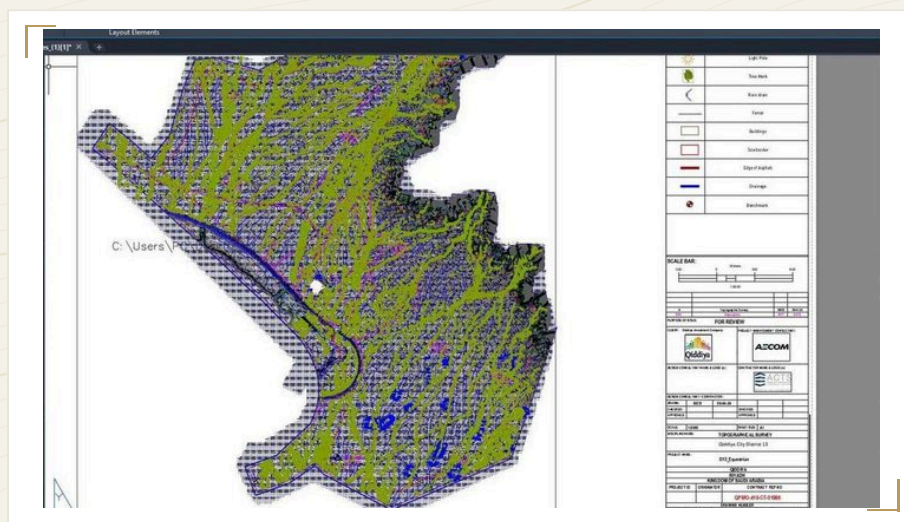
Photogrammetry. Utilizing advanced photogrammetry techniques to generate spatially accurate models for use in various engineering and design projects.

Drone Survey • on site.

SERVICE Drone Survey

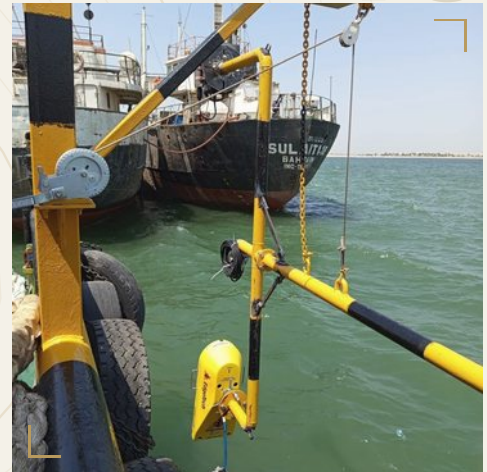
02.09.01

PROJECT Qiddiya District 13 LiDAR & Photogrammetry



Bathymetric Survey

At Compass, we offer comprehensive Bathymetric Survey Services to provide accurate and detailed mapping of underwater terrains. Our advanced sonar and surveying technologies enable clients to understand the characteristics and topography of water bodies, supporting various industries such as marine construction, environmental studies, and navigation safety.



OUR SERVICES INCLUDE:

01 Hydrographic Mapping

High-Resolution Depth Maps. Creating detailed charts and depth maps of rivers, lakes, reservoirs, and coastal waters for safe navigation and project planning.

Underwater Terrain Analysis. Collecting precise data on underwater topography to support construction, dredging, and resource exploration projects.

02 Sediment and Seabed Analysis

Substrate Characterization. Analyzing the type and composition of the seabed to guide engineering and environmental projects.

Sediment Movement Tracking. Monitoring and measuring sediment transport for projects involving dredging and coastal management.

03 Port and Harbor Surveys

Dock and Pier Assessments. Evaluating the depth and condition of ports and harbors to ensure they meet navigational safety standards.

Maintenance Planning. Providing data to support maintenance and expansion projects for ports and marinas.

04 Pre- and Post-Dredging Surveys

Dredging Volume Calculation. Assessing and calculating the volume of sediment that needs to be or has been removed to ensure efficient dredging operations.

Project Compliance Verification. Ensuring dredging projects meet environmental and safety regulations through detailed pre- and post-surveys.

05 Environmental Impact Studies

Aquatic Habitat Monitoring. Collecting data to assess and protect the habitat of aquatic life and maintain ecological balance.

Flood Risk Assessment. Using bathymetric data to model water flow and assess areas at risk of flooding.

06 Offshore Construction Support

Site Assessment. Providing underwater data essential for the planning and placement of offshore structures such as wind turbines, oil rigs, and pipelines.

Foundation Analysis. Assisting in the selection of safe and suitable sites for foundations and anchor points.

07 Navigation Safety

Channel Surveys. Mapping and monitoring navigable channels to ensure safe passage for vessels.

Obstacle Identification. Detecting underwater obstructions and hazards that may pose risks to ships and boats.

Bathymetric Survey • on site.

SERVICE Bathymetric Survey

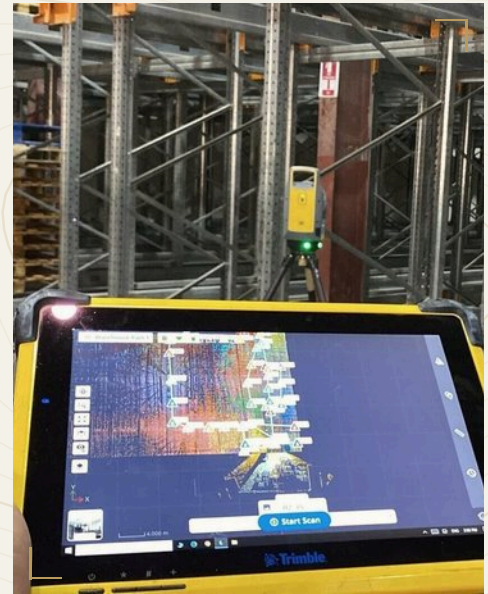
02.10.01

PROJECT Gewan Island Dredging Works



3D Laser Scanning

At Compass, we specialize in 3D Laser Scanning Survey Services, offering cutting-edge technology to capture detailed and accurate measurements of structures and environments. Our 3D laser scanning solutions provide high-resolution data that supports a wide range of applications, from construction and architecture to heritage preservation.



OUR SERVICES INCLUDE:

01 High-Precision 3D Scanning

Advanced Laser Technology. Utilizing state-of-the-art laser scanning equipment to capture millions of data points, creating precise 3D models of the surveyed area.

Rapid Data Acquisition. Completing scans quickly and efficiently, minimizing disruptions to ongoing operations or site activities.

02 Detailed 3D Modeling

Comprehensive Models. Producing accurate 3D models that represent existing conditions, facilitating better visualization and planning for future projects.

Customizable Outputs. Delivering models in various formats, including CAD, BIM, and GIS, tailored to meet the specific needs of your project.

03 Quality Control and Verification

As-Built Accuracy. Providing reliable data for as-built verification, ensuring that constructed elements conform to design specifications.

Clash Detection. Identifying potential conflicts in design and construction through detailed 3D analysis.

04 Integration with Design Software

Seamless Integration. Enabling smooth integration of scanned data with popular design software for enhanced project workflows.

Enhanced Collaboration. Facilitating better communication among project stakeholders with easily shareable 3D models.

05 Historical Preservation

Cultural Heritage Documentation. Capturing detailed records of historical sites and structures for preservation and restoration efforts.

Long-Term Records. Maintaining comprehensive archives that support ongoing conservation initiatives and research.

06 Post-Scanning Analysis

Data Analysis Services. Offering detailed analysis and reporting based on scanned data, supporting decision-making and project planning.

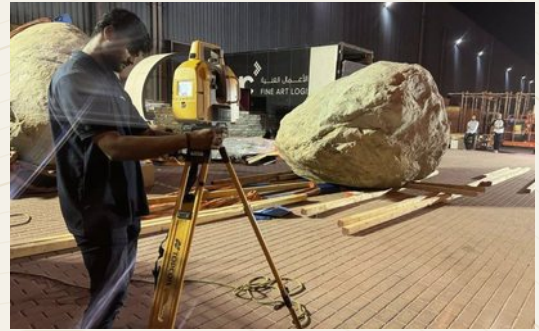
Ongoing Support. Providing assistance with interpreting and utilizing the data for future projects and maintenance.

3D Laser Scanning • on site.

SERVICE 3D Laser Scan

02.11.01

PROJECT Rock Realignment



SERVICE 3D Laser Scanning

02.11.02

PROJECT Al Mansoura Schools



3D Laser Scanning • on site.

SERVICE 3D Laser Scan

02.11.03

PROJECT Rock on Top of Rock



SERVICE 3D Scanning → Point Cloud

02.11.04

PROJECT Field record



3D Laser Scanning • on site.

SERVICE 3D SCAN + 2D AS-BUILT

02.11.05

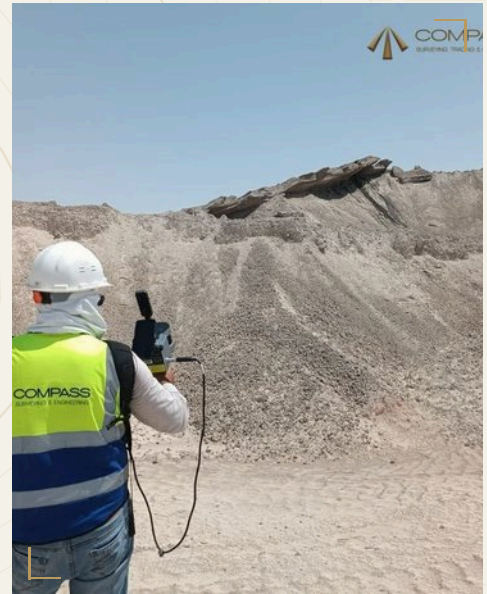
PROJECT Building Adjacent to Doha Clinic

CLIENT EHAf



Quantity & Volume Surveys

At Compass, we provide professional Quantity & Volume Survey Services that deliver precise measurements and estimations for construction, excavation, and land development projects. Our expert team utilizes advanced techniques to ensure accurate calculations that support effective planning and budgeting.



OUR SERVICES INCLUDE:

01 Comprehensive Quantity Takeoffs

Detailed Itemization. Conducting thorough quantity takeoffs for various materials, including earthworks, concrete, steel, and finishes.

Accurate Estimations. Providing reliable material estimates that help you prepare accurate budgets and project timelines.

02 Volume Calculations

Site Volume Analysis. Measuring the volume of cut and fill required for excavation and grading, ensuring efficient site preparation.

Stockpile Measurements. Accurately calculating stockpile volumes for materials on-site, supporting inventory management and cost control.

03 Earthwork and Grading Surveys

Cut and Fill Analysis. Assessing earthwork requirements to optimize grading plans and minimize waste.

Topographic Surveys. Conducting detailed topographic surveys to provide essential data for effective earthwork and grading calculations.

04 Material Quantity Verification

Quality Control. Verifying material quantities delivered to the site against project specifications to ensure compliance and prevent discrepancies.

Ongoing Monitoring. Offering regular checks and updates on material usage throughout the project lifecycle.

05 Reporting and Documentation

Clear Reporting. Providing detailed reports that summarize quantities and volumes with visual aids for easy interpretation.

Custom Formats. Delivering reports in various formats to meet your project's specific needs, including spreadsheets, CAD drawings, and PDF documents.

06 Support for Project Management

Collaboration with Teams. Working closely with project managers, contractors, and engineers to ensure accurate quantity and volume data supports decision-making.

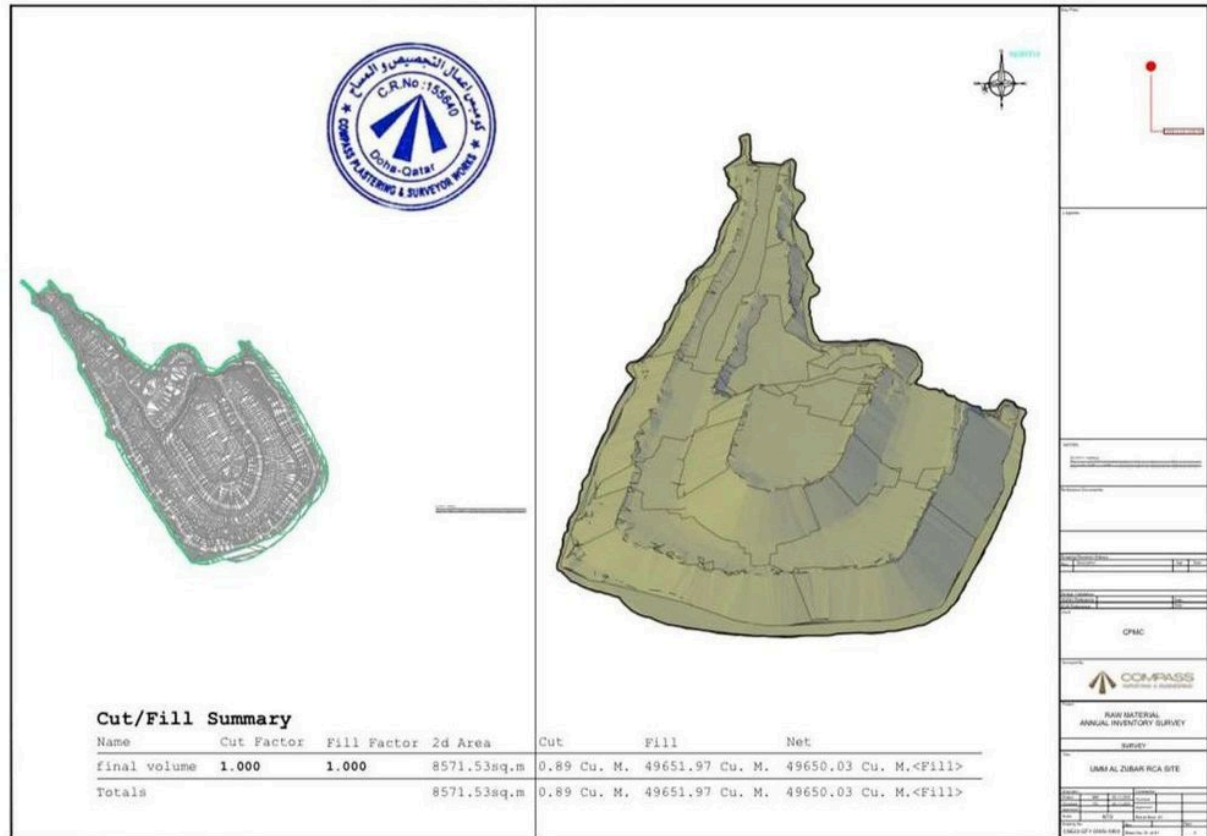
Real-Time Updates. Providing timely updates and adjustments as project conditions change, ensuring your planning remains on track.

Quantity & Volume Surveys · on site.

SERVICE Quantity and Volume surveys

02.12.01

PROJECT QPMC – AL AWALIA



Monitoring & Deformation Surveys

At Compass, we specialize in Monitoring & Deformation Surveys to assess and ensure the stability and safety of structures and land. Our expert team utilizes advanced technologies to monitor changes over time, providing essential data that helps mitigate risks and maintain structural integrity.



OUR SERVICES INCLUDE:

01 Structural Monitoring

Real-Time Data Collection. Implementing advanced monitoring systems to collect real-time data on structural movements and deformations.

Condition Assessment. Conducting regular assessments to evaluate the condition and performance of buildings, bridges, and other infrastructure.

02 Deformation Analysis

Comprehensive Surveys. Utilizing precise surveying techniques to identify and measure deformations in structures and land surfaces.

Data Interpretation. Analyzing collected data to determine the causes and implications of observed deformations, ensuring informed decision-making.

03 Geotechnical Monitoring

Soil and Rock Movement Monitoring. Assessing changes in soil and rock conditions that may affect the stability of structures and earthworks.

Pore Pressure Measurements. Monitoring pore water pressures in soils to understand their influence on ground stability and deformation.

04 Settlement and Inclination Monitoring

Settlement Measurements. Tracking vertical movements in structures to identify potential settlement issues and prevent structural damage.

Inclination Surveys. Measuring the tilt or lean of structures to assess their stability and safety.

05 Reporting and Documentation

Detailed Reporting. Providing comprehensive reports that summarize monitoring results, analyses, and recommendations.

Visual Data Representation. Including graphs, charts, and visual aids to facilitate easy understanding of deformation trends and structural performance.

06 Consultation and Support

Expert Guidance. Offering consultations to help you understand the implications of monitoring data and implement necessary actions.

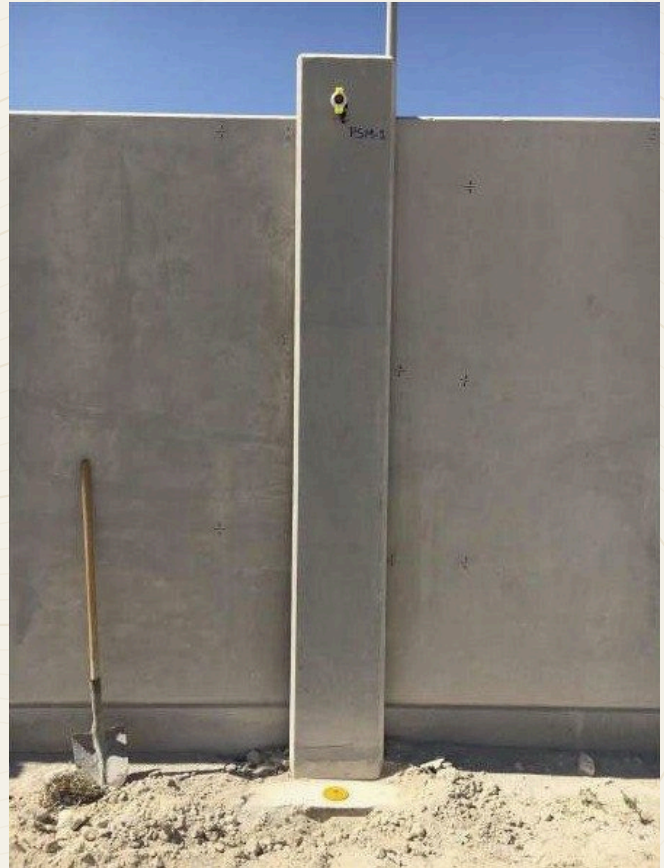
Customized Solutions. Tailoring our monitoring services to meet the specific requirements of each project, including construction sites, industrial facilities, and historical buildings.

Monitoring & Deformation Surveys · on site.

SERVICE Monitoring and Deformation Survey

02.13.01

PROJECT Lusail



Geotechnical Survey Services

At Compass, we provide professional Geotechnical Survey Services to evaluate the properties and behavior of soil and rock beneath a proposed construction site. Our surveys are essential for ensuring that your project is founded on stable ground, minimizing risks, and optimizing design and construction processes.



OUR SERVICES INCLUDE:

01 Site Investigation

Soil Sampling and Analysis. Conducting detailed soil sampling and laboratory testing to determine soil properties, including composition, strength, and moisture content.

Borehole Drilling. Utilizing advanced drilling equipment to extract subsurface samples for analysis and data collection.

02 Soil and Rock Testing

In-Situ Testing. Performing field tests such as the Standard Penetration Test (SPT), Cone Penetration Test (CPT), and other in-situ assessments to understand ground behavior.

Laboratory Testing. Analyzing samples in our laboratory to measure soil compressibility, shear strength, and other key geotechnical properties.

03 Ground Stability Assessment

Slope Stability Analysis. Evaluating potential slope failures and recommending reinforcement solutions for at-risk areas.

Seismic Risk Assessment. Assessing ground response to seismic activity to design structures that can withstand potential earthquakes.

04 Foundation Recommendations

Customized Foundation Solutions. Providing detailed recommendations for foundation design based on soil and rock conditions, tailored to your project's specific requirements.

Piling and Retention Systems. Advising on the appropriate use of deep foundations, including piling and retaining structures, to ensure stability and safety.

05 Groundwater Monitoring

Hydrogeological Surveys. Measuring groundwater levels and flow patterns to understand their impact on excavation and construction activities.

Dewatering Solutions. Designing effective groundwater management plans to maintain safe and dry working conditions on-site.

06 Reporting and Documentation

Detailed Reports. Delivering comprehensive reports that include analysis, findings, and geotechnical recommendations.

Visual Aids. Including maps, charts, and diagrams to enhance the understanding of site conditions.

Geotechnical Survey Services • on site.

SERVICE Geotechnical Survey

02.14.01

PROJECT Private Villa



Authorized dealer for Tersus GNSS Solutions.



Tersus GNSS

LUKA GNSS

QAR 15,000.00

- Small and light, easy to carry and operate
- Supports 1568 channels
- Tilt compensation without calibration
- Built-in 7000mAh large capacity battery



Tersus GNSS

OSCAR BASIC

QAR 20,000.00

- Rover + FC50 controller + pole
- 8GB memory
- TC50 controller
- 1 year warranty



Tersus GNSS

OSCAR ADVANCE

QAR 25,000.00

- Rover + FC50 controller + pole
- 16GB memory
- TC50 controller
- 2 years warranty



Tersus GNSS

OSCAR ULTIMATE

QAR 30,000.00

- Rover + FC50 controller + pole
- Tilt position functionality
- 16GB memory
- TC50 controller
- 2 years warranty

Registered, licensed and certified.

Compass Surveying Trading and Contracting holds its commercial registration and license in the State of Qatar, and is certified to ISO 9001, ISO 14001 and ISO 45001 for as-built survey, topographical survey, demarcation survey, 3D laser scanning, field team hire, BIM modeling and GIS mapping. Copies of the commercial registration and license are available on request.

04.01 ISO 9001:2015 • Quality Management System

43

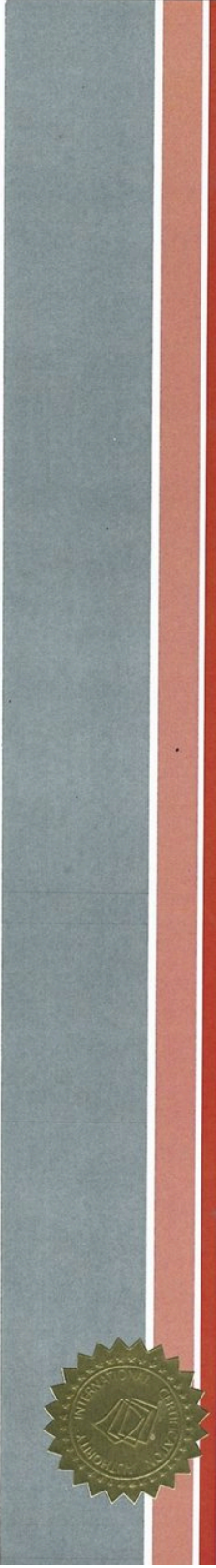
04.02 ISO 14001:2015 • Environmental Management System

44

04.03 ISO 45001:2018 • Occupational Health and Safety Management System

45





CERTIFICATE

Certificate No: ICAQA220093

This Certificate is granted to the organization



COMPASS
SURVEYING & ENGINEERING

COMPASS
SURVEYING AND ENGINEERING
P.O Box: 32367, Doha,
Qatar

Has been assessed and found to be in accordance with the standard requirements,

ISO 9001:2015

Quality Management System

For the full scope of certification

**As built survey, topographical survey, demarcation survey,
3D laser scanning, field team hire, BIM modeling, GIS mapping.**

Registration Date : April 16, 2022
Issue Date : April 16, 2026
Certificate Expiry : April 16, 2027

Surveillance Audit : 1st Year ☒ 2nd Year ☐



Vice President



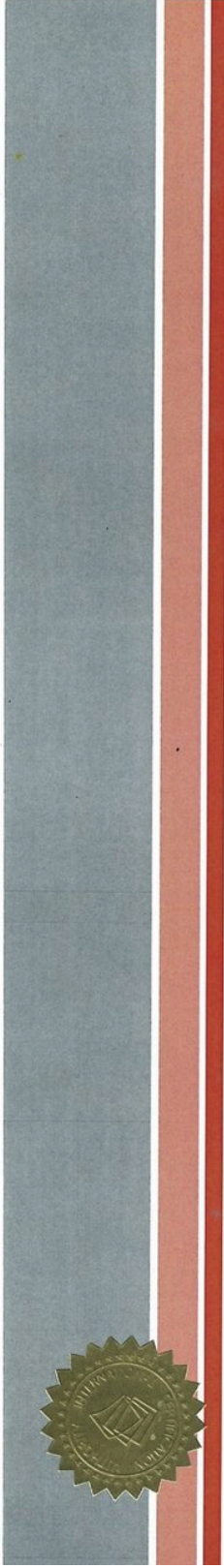
ACCREDITED
USA
USASAB1023

Head office: Suite No 13304, SW 2nd Street, Yukon, OK, 73099, United States of America

The certificate may be rendered invalid if there is any lack of fulfillment of conditions set out in the rules of ICA Certification Body for compliance with ISO/IEC 17021-1:2015 'Conformity Assessment'.
Email: info@ica-cb.com Website: www.ica-cb.com







CERTIFICATE

Certificate No: ICAQA220094



Worldwide Training, Certification
and Inspection Body

This Certificate is granted to the organization



COMPASS
SURVEYING & ENGINEERING

COMPASS
SURVEYING AND ENGINEERING
P.O Box: 32367, Doha,
Qatar

Has been assessed and found to be in accordance with the standard requirements,

ISO 14001:2015

Environmental Management System

For the full scope of certification

**As built survey, topographical survey, demarcation survey,
3D laser scanning, field team hire, BIM modeling, GIS mapping.**

Registration Date	: April 16, 2022
Issue Date	: April 16, 2026
Certificate Expiry	: April 16, 2027

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Vice President

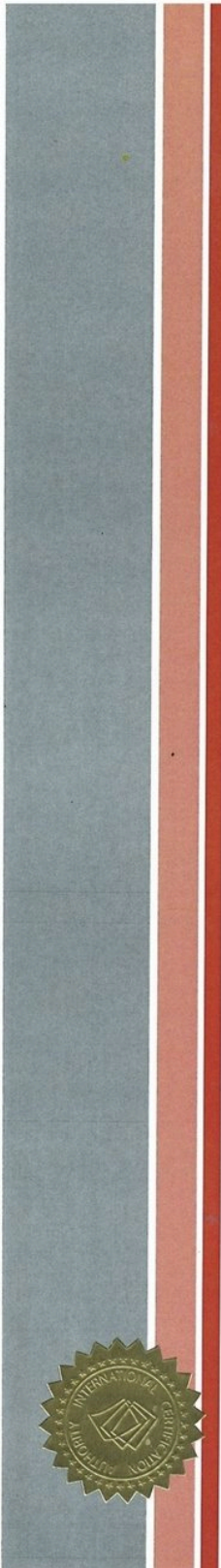


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U S A
USASAB1023

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Certification Body for compliance with ISO/IEC 17021-1:2015 'Conformity Assessment'.
Email: info@ica-cb.com Website: www.ica-cb.com





CERTIFICATE
Certificate No: ICAQA220095

This Certificate is granted to the organization



COMPASS
SURVEYING & ENGINEERING
COMPASS
SURVEYING AND ENGINEERING
P.O Box: 32367, Doha,
Qatar

Has been assessed and found to be in accordance with the standard requirements,

ISO 45001:2018
Occupational Health and Safety Management System

For the full scope of certification

As built survey, topographical survey, demarcation survey,
3D laser scanning, field team hire, BIM modeling, GIS mapping.

Registration Date	: April 16, 2022
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Vice President



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Email: info@ica-cb.com Website: www.ica-cb.com





COMPASS
SURVEYING & GEOTECHNICAL

05

05 • WORK WITH US

Every angle. Measured.



Survey Services

Setting-out, As-Built, Topographic Survey, Underground Utilities Survey, Cadastral (Property) Survey, Municipality-Approved Survey Report.

3D Scan & BIM

3D Scanning of existing Arch, ST, & MEP infrastructure to develop BIM Models (LOD 100-500) or Scan to CAD As-Built in Plan & Elevation/Section Views.

Surveyor Secondment

Provision of Professional Survey Engineer with Survey Assistant and all necessary equipment to your site for the duration of necessary works.

Authorized GPS Dealer

Authorized Dealer for Tersus GNSS Systems.

Survey Calibration

Calibration of all forms of Survey Equipment (GPS & Total Station) at competitive rates.

Please email or call us and we can arrange a meeting to discuss any potential collaborations in the future.



DOHA • WEST BAY

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CALL +974 5598 4645
WEB compass-arabia.com