

Ahmed Mohamed El-Refaey

Senior Surveyor

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PROFESSIONAL SUMMARY

Highly accomplished Senior Land Surveyor with over 15 years of experience in infrastructure, utilities, and landscape projects across major urban developments in Saudi Arabia and Egypt. Proficient in topographic, boundary, and construction surveying, with strong technical expertise in GPS, Total Station, Leveling Machine, AutoCAD, Civil 3D, and ArcGIS. Demonstrated ability to lead and train survey teams, coordinate with multidisciplinary engineering departments, and ensure precise data collection, layout accuracy, and compliance with engineering and municipal standards. Recognized for excellence in project supervision, geodetic control establishment, and digital mapping workflows, with a proven record in Riyadh Green Projects, sewage and water networks, and large-scale landscape works. Member of the Saudi Council of Engineers (SCE) and committed to maintaining the highest standards of quality, accuracy, and safety in all surveying operations.

CAREER OBJECTIVE

To obtain a challenging position as a Senior Land Surveyor in a reputable engineering or construction firm where I can utilize my extensive experience in geospatial analysis, infrastructure surveying, and land development. Seeking to contribute my advanced skills in AutoCAD Civil 3D, GPS, Total Station, ArcGIS, and topographic data management to support accurate design execution, site coordination, and project delivery. Dedicated to achieving organizational goals through leadership, innovation, and adherence to international surveying standards.

EDUCATION

Bachelor's Degree in Surveying and Maps – Major: Department of Surveying and Maps

Graduation Project: Topographical Survey of Wadi Aisha – Grade: Excellent.

Tanta University – Tanta, Egypt – Graduation Grade: Good – Graduation year: June 2010.

CERTIFICATIONS

Certificate of Membership – Saudi Council of Engineers (SCE): Official professional accreditation confirming registration and compliance with Saudi engineering standards.

Geographic Information Systems (GIS) Certification: Certified specialization in spatial analysis, digital mapping, and database management using ArcGIS.

Practical Engineering Training Certificate (April 2024): Accreditation demonstrating hands-on competence in modern surveying technologies and field operations.

TRAINING AND COURSES

Egyptian Survey Association Training (March 2010): Intensive field training in topographic surveying, boundary mapping, and geodetic control setup.

AutoCAD Civil 3D: Topographic and Boundary Survey (May 2025): Advanced course in creating surface models, contour lines, and boundary layouts for infrastructure and landscape projects.

Survey Data Management Workshop: Focused on integrating GPS, Total Station, and Level data into CAD and GIS environments for accurate project documentation.

PROFESSIONAL EXPERIENCE

Senior Land Surveyor | Al-Majal Al Arabi Nawan Joint Venture | Riyadh, Saudi Arabia | Oct 2022 – Present

Lead and manage multidisciplinary survey teams to execute topographic, geodetic, and construction surveys for large-scale landscape and public park projects in Riyadh Green Projects, ensuring accuracy, compliance with municipal standards, and timely project delivery.

Integrate survey data into design and construction workflows using AutoCAD Civil 3D, ArcGIS, GPS, Total Station, and Leveling Machines, creating Shapefiles, KMZ files, and site databases to support project planning, monitoring, and execution.

Senior Land Surveyor | Cityscape (KSA) | Riyadh, Saudi Arabia | June 2022 – Oct 2022

Supervise and guide survey teams on Lower Wadi (MISK) landscape and hardscape projects, providing detailed topographic and surface data for accurate alignment, grading, and site layout planning.

Collaborate with engineers and architects to ensure survey data integration into design models, enabling precise execution of urban development and civil infrastructure projects.

Senior Land Surveyor | Saudi Tumpane Company | Riyadh, Saudi Arabia | March 2020 – June 2022

Conduct comprehensive topographic, boundary, and final grade surveys for strategic water and sewage infrastructure projects, using advanced instruments (Leica, Sokkia, Topcon, Trimble) to ensure high precision and project compliance.

Provide technical support and mentoring to junior surveyors in data acquisition, geospatial analysis, and survey calculations, facilitating efficient workflow and accurate field measurements.

Senior Land Surveyor | Cityscape (KSA) | Riyadh, Saudi Arabia | April 2019 – March 2020

Lead finish and installation surveys for large-diameter pipeline networks in Riyadh Metro projects, ensuring alignment, elevation, and spatial accuracy according to engineering specifications.

Coordinate survey data with project engineers and contractors to support construction planning, quality control, and issue resolution on-site, improving project efficiency.

Chief Surveyor | Saudi Tumpane Company | Riyadh, Saudi Arabia | Jan 2018 – April 2019

Oversee field survey crews and perform detailed construction surveys, including water main lines and horizontal drilling pipes, ensuring precision, safety compliance, and data reliability.

Prepare survey drawings, legal descriptions, and technical reports, integrating geospatial data into CAD and GIS platforms for consultant approval and project execution.

Land Surveyor | Saudi Tumpane Company | Riyadh, Saudi Arabia | Dec 2011 – Jan 2018

Plan and execute ground and infrastructure surveys for major water and sewage networks (pipes 200–1400 mm), ensuring topographic accuracy, proper alignment, and regulatory compliance.

Operate and maintain survey instruments (Leica, Sokkia, Topcon, Trimble) while coordinating with engineering teams and contractors to ensure seamless project implementation and quality control.

Construction Surveyor | Talat Mustafa Company | Cairo, Egypt | Sep 2010 – Nov 2011

Set out boundary points, base lines, and structural columns using Total Station and field instruments, ensuring precision in construction layouts and adherence to design plans.

Collect and verify survey data, calculate property boundaries, and create legal descriptions, coordinating with engineers, architects, and clients to support accurate project execution and documentation.

TECHNICAL SKILLS

Advanced Surveying Instruments Expertise: Proficient in operating and managing GPS, Total Station, and Leveling Machines (Topcon, Trimble, Sokkia, Leica) for topographic, boundary, and construction surveys, ensuring high precision measurements, geodetic control, and reliable site data collection.

Civil and CAD Software Proficiency: Extensive experience in AutoCAD, Civil 3D, and ArcGIS, creating topographic maps, 3D terrain models, shapefiles, and geospatial databases to support design integration, site planning, and construction execution.

Infrastructure and Construction Surveying: Skilled in conducting surveying for water and sewage networks, large-diameter pipe installations, lift stations, holding tanks, valve chambers, and building layouts, applying engineering standards and municipal regulations to ensure project accuracy and compliance.

Landscape and Urban Development Surveying: Expertise in curb stone, interlock, gardens, playgrounds, and footpath surveys, providing precise grading, alignment, and spatial analysis for urban landscape and development projects.

Data Management and Analysis: Proficient in collecting, verifying, and analyzing survey data, integrating it into CAD and GIS platforms, preparing technical reports, KMZ files, and shapefiles for consultant approval and on-site execution.

Project Coordination and Team Leadership: Experienced in leading survey teams, assigning tasks, supervising field operations, and coordinating with engineers, architects, and stakeholders to ensure timely project delivery, accuracy, and compliance with technical standards.

Topographic and Geodetic Expertise: Specialized in establishing control points, benchmarks, and geodetic networks for complex projects, ensuring precision in layout, leveling, and spatial data acquisition.

PERSONAL SKILLS

Honesty and cooperation with others.

Excellent Capabilities in self learning.

Discipline in the laws governing work.

Self-confidence and improving the work environment.

LANGUAGE

Arabic : [Native language]

English : [Very Good (speaking, reading and writing)]

INTERESTS

Reading.

Swimming.

Sports.

Travel.