

Mohamed Ali Rakha

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Professional Summary

Detail-oriented Survey Engineer with extensive experience in topographic, geodetic, and boundary surveying for large-scale construction and infrastructure projects. Skilled in utilizing advanced instruments such as Total Stations, GPS, AutoCAD, and Civil 3D to deliver accurate and reliable data for project execution. Experienced in creating surface and terrain models for landscape and park design. Adept at managing survey operations, analyzing data, and collaborating with multidisciplinary teams to ensure precise and efficient project outcomes. Committed to maintaining high-quality standards, safety compliance, and project accuracy.

Education

Bachelor's Degree in Survey Engineering

Shoubra Faculty of Engineering, Banha University, Cairo | 2018

Graduation Project: Full topographic survey using GPS, Total Station, and Level instruments.

Core Competencies

- Topographic & Geodetic Surveys
- Construction Layouts & Quantity Surveying
- Advanced AutoCAD & Civil 3D Proficiency (Surface & Terrain Modeling)
- GIS & Data Analysis
- Project & Site Management
- Safety & Regulatory Compliance
- Communication & Team Collaboration

Professional Experience

- **Survey Engineer | ALAZRYA Trading Co. Ltd, Riyadh**
Jan 2024 – Present
- Lead topographic and layout surveys for multiple park rehabilitation and maintenance projects.
- Conduct land, boundary, and elevation surveys using GPS and Total Stations.

- Review and verify design drawings and coordinate meetings with the consultant and Riyadh Region Municipality to ensure project compliance and progress.
- Develop detailed site plans and coordinate with design and construction teams.
- Manage data processing and mapping using AutoCAD and Civil 3D.
- Create surface and elevation models for landscape and park design.
- Ensure adherence to safety and quality standards throughout all project phases.
- Temporarily acted as Project Manager for two months, overseeing full project operations and coordination in place of the main manager.

- **Survey Consulting Engineer | CEGMAN Consulting Engineering Group, Egypt**

Sep 2021 – Sep 2023

- Supervised survey and consulting activities for JEFIRA project (8 billion EGP, 5.5M m² area).
- Reviewed design plans, coordinated with contractors and consultants, and participated in technical meetings with authorities for project alignment.
- Oversaw excavation, backfilling, and infrastructure works including sewage, stormwater, and water networks.
- Ensured compliance with engineering standards and legal boundaries.
- Delivered accurate quantity surveying and material estimation reports.

- **Survey Site Engineer | CONCORD - EC, Egypt**

Mar 2020 – Sep 2021

- Conducted topographic and boundary surveys for residential and service buildings in The Latin District project (1.1B EGP).
- Assisted in reviewing design layouts and communicating updates with project consultants and authorities.
- Supervised field teams to ensure data accuracy and safety compliance.
- Delivered detailed maps and reports to support design and construction teams.

- **Survey Site Engineer | Cooperative Society for Reconstruction & Development, Damietta**

Jan 2019 – Mar 2020

- Managed surveying for marine dock infrastructure improvement.
- Created regression lines for drainage networks and oversaw base and asphalt layer works.
- Performed detailed quantity surveying and resource planning.

Languages

Arabic – Native

English – Good