



AHMED MOHAMED ELSHANTORY

Senior Infrastructure Technical Office Engineer – Water & Sewer Networks

 Riyadh, Saudi Arabia

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 Date of Birth: 05 March 1995


 Marital Status: Married

PROFESSIONAL SUMMARY

Civil Engineer specialized in infrastructure and utilities networks (water, sewer, firefighting & irrigation) with strong experience in technical office work, shop drawings, Civil 3D modeling, clash detection, quantity surveying, and site coordination. Proven ability to manage deliverables, interface with consultants, and ensure compliance with project specifications.


PROFESSIONAL EXPERIENCE

Senior Infrastructure Technical Office Engineer / Marmer Co. – Riyadh, Saudi Arabia

 Oct 2025 – Present


- Preparing shop drawings and 3D models using Civil 3D for water, sewer, and irrigation networks.
- Developing **longitudinal profiles and resolving clashes between networks**
- Preparing and following up **material submittals & approvals**.
- Coordinating with consultants and site teams to resolve technical issues.
- Supporting procurement and project documentation.

Senior Infrastructure Technical Office Engineer / Kharafi National– Cairo, Egypt

 May 2024 – October 2025


- Preparing **shop drawings and 3D models using Civil 3D** for water, sewer, and irrigation networks.
- Handling material submittals, approvals, and procurement follow-up

Infrastructure Technical Office Engineer Tabarak Engineering & Contracting – Cairo, Egypt

 Oct 2023 – May 2024

- Shop drawings and modeling of drainage, water, fire, and irrigation networks (CIVIL3D).
- Clash resolution and preparation of vertical profiles.
- Quantification and billing using ERP.
- Documentation, archiving, and on-site implementation support.

Infrastructure Technical Office Engineer Misr Consult for Environmental and Infrastructure Studies – New Administrative Capital, Egypt

 February 2020 – September 2023

- Transitioned to the technical office team based on company needs after two years of site supervision.
- Prepared shop drawings for sewage, water, fire, and irrigation networks using Civil 3D.
- Resolved clashes between infrastructure systems and coordinated across disciplines.
- Performed quantity surveying and excavation/backfilling calculations for landscaping works.
- Reviewed contractors' invoices and supported implementation follow-up with site teams.
- Supervised execution of sewage, water, fire, irrigation, gas, and telecom networks.
- Oversaw UPVC and HDPE pipeline installations (up to 900 mm diameter, 5 m depth).
- Managed civil and surveying works for electrical and communication networks.
- Ensured quality assurance and compliance with project specifications on site.

EDUCATION

Bachelor of Civil Engineering, Al-Azhar University (2018)

- General Grade: Good
- Graduation Project: Project Management (Grade: Very Good)

SOFTWARE SKILLS

- AutoCAD, CIVIL3D, Navisworks, WaterGEMS & SewerGEMS
- Microsoft Office (Word, Excel, PowerPoint)

COURSES

Advanced Technical Office Course – Bena Academy

(Tendering, Quantity Surveying, Pricing, Invoices, Shop Drawings)

KEY SKILLS

Civil 3D Modeling & Shop Drawings

Utilities Networks (Water/Sewer/Fire/Irrigation)

Clash Detection & Coordination

Quantity Surveying & Billing

Site & Technical Office Integration

Documentation & Reporting

Team Collaboration

Work Under Pressure

LANGUAGES

- Arabic: Native
- English: Good (Reading, Writing, Speaking)