



# Amr Muhammad Ahmad Mazrou

## Senior Technical Office Engineer

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## Professional Summary

Senior Technical Office Engineer with over 7 years of experience in managing and leading technical office operations for large-scale infrastructure and water projects. Proven expertise in shop drawings, quantity take-off, BOQs, cost estimation, variation orders, and technical submittals. Strong coordination skills with consultants, contractors, and site teams to ensure compliance with project specifications, budgets, and schedules. Proven track record handling project quantities and values exceeding EGP 1 billion across national mega projects.

## Core Competencies

- Technical Office Management
- Shop Drawings & As-Built Drawings
- Quantity Take-Off (QS)
- BOQs Preparation & Review
- Cost Estimation & Budget Control
- Value Engineering
- Variation Orders & Claims
- Technical Submittals & Material Approvals
- Coordination with Consultants & Site Teams
- Infrastructure & Water Projects

## Professional Experience

### A. Senior Technical Office Engineer / Project Engineer

Bonyan Group - Egypt | Sep 2025 - Present

Projects:

1. Sphinx Sector Drinking Water Purification Plant
  2. Irrigation Network Intake Project
- Led and managed full technical office operations for large-scale governmental and national infrastructure projects.
  - Prepared, reviewed, and coordinated shop drawings (civil & infrastructure) in compliance with contract documents, specifications, and consultant requirements.
  - Performed detailed take-offs and prepared BOQs for concrete, rebar, finishing, and infrastructure works.
  - Developed accurate cost estimates and supported budgeting and cost control activities for projects with total values exceeding EGP 1 billion.
  - Prepared and evaluated variation orders, claims, and additional works.
  - Coordinated technical issues between consultants, site teams, planning, and procurement.

## B. Site Technical Office Engineer Manger

Techno Alex Company – Egypt | Sep 2024 – Sep 2025

### Projects:

1. Water Pumping Station No. 5 – New Delta Project
  2. Construction of 27 Small Pumping Stations – New Delta Project
- Prepared and reviewed shop drawings and technical details for infrastructure and building projects.
  - Executed quantity take-offs and assisted in preparing BOQs.
  - Prepared technical submittals, material approvals, and method statements.
  - Coordinated with site engineers to resolve technical issues and ensure compliance with drawings.

## C. Technical Office / Interior Fit-Out Engineer

RM Interior – Egypt | Sep 2023 – Sep 2024

### Projects:

Interior finishing for 20 projects including residential units, apartment complexes, and administrative offices.

- Prepared detailed shop drawings for interior and finishing works.
- Executed quantity take-offs for architectural and finishing items.
- Coordinated with designers and site teams to ensure execution accuracy and quality standards.

## D. Site / Technical Engineer

ECO– Egypt | Aug 2020 – Sep 2023

### Projects:

1. Restoration of a 2-story load-bearing structure
  2. Finishing of a 5-story building with area 400 m<sup>2</sup>
  3. Design and quantity take-offs for a 12-story tower
  4. Design of a 5-story residential building with area 200 m<sup>2</sup>
- Assisted in site execution and technical documentation for construction works.
  - Prepared basic and advanced quantity take-offs and site reports.
  - Supported senior engineers in coordinating drawings, designs, and site activities.



## Education

Bachelor's degree in civil engineering - 2018

Al-Azhar University

Graduation Year: 2018



## Technical Skills

- AutoCAD
- Microsoft Excel (Advanced)
- Microsoft Word & PowerPoint
- CSI Software (ETABS, SAFE, SAP2000)
- Revit – In Progress



## Languages

- Arabic: Native
- English: Good