

Mohamed Magdi Ahmed

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Professional Objective

Results-driven Engineering Designer and AutoCAD Draftsman with 8+ years of experience in engineering construction, design, and supervision, including 3+ years specialized in MEP drafting. Proven expertise in preparing AutoCAD drawings, MEP layouts, shop drawings, schematics, and as-built documentation for residential and commercial projects. Strong track record of collaborating with architects, engineers, and site teams to ensure accurate designs, efficient project execution, and compliance with industry standards and local codes. Fluent in Arabic (Native) and English (Fluent). Seeking to leverage technical drafting, design coordination, and construction supervision skills to support project efficiency and organizational success.

Core Competencies

- AutoCAD Drafting & Detailing (2D/3D/MEP)
- Construction Documentation & Shop Drawings
- Project Execution & Site Supervision
- Design Development & CAD Standards
- Engineering Design & Technical Drawings
- Quantity Surveying & Material Estimation
- Clash Detection & Resolution
- Health & Safety Compliance

Work Experience

Senior Draftsman / Engineering Designer

Modern Construction Group for Pre-Cast – Madinat Al-Sadat, Egypt
July 2022 – Present

- Prepared as-built drawings after site inspections.
- Ensured compliance with project specifications, local codes, and client requirements.
- Assisted architects in design development and construction documentation.
- Conducted site visits, inspections, and cost estimations for materials and labor.
- Prepared detailed shop drawings for ELV systems (CCTV, Access Control, Structured Cabling, SMTV, Intercom) in **CPTIT** company
- Created and coordinated MEP layouts (HVAC, Electrical, Plumbing) using AutoCAD MEP.
- Developed clash-free coordinated drawings with structural and MEP teams.
- Produced floor plans, permit drawings, sections, elevations, and landscape designs.
- Updated, revised, and modified drawings per consultant and engineer comments.
- Maintained CAD records, revisions, and ensured standards compliance.
- Communicated effectively with engineers, architects, surveyors, and project stakeholders.
- CAD Proficiency: Expert use of AutoCAD (and other design software 2D/3D plans).
- Structural Knowledge: Deep understanding of concrete structures, detailing, and construction drawing packages.
- Manufacturing Focus: Ability to create drawings that are practical for manufacturing and installation, potentially involving precast concrete.
- Technical Documentation: Updating nomenclatures, preparing manufacturing files, and managing product databases (PDM/PLM).
- Collaboration: Working with engineers, project teams, and production to integrate feedback and ensure manufacturability.
- Problem-Solving: Analyzing technical issues and providing solutions, especially regarding software or design challenges.
- Project Management: Handling projects from design to completion, meeting deadlines, and managing documentation.

Key Projects:

- Fourtex School for Languages
- Alroubaia Fourtex Company for Textile (Sadat City)
- Nourtex (Sadat City)

Architecture_Civil Site Supervisor EI

Minshawy Group – Minouf, Egypt Sep 2017 –
July 2022

- Supervised construction sites to ensure compliance with **drawings, designs, and technical specifications**.
 - Maintained and interpreted **site drawings, contracts, and permits**.
 - Managed **site diaries, QA documentation, reports, and as-built records**.
 - Coordinated **permits-to-dig** and other site-related authorizations.
 - Ensured **health and safety compliance** across site activities.
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Draftsman low current

Remote in-home part time

Egypt NOV.2024 _ JAN 2026

- Prepared detailed shop drawings for ELV systems (CCTV, Access Control, Structured Cabling, SMTV, Intercom) in **CPTIT** company
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Mechanical Draftsman engineering.

Ain Sokhna **RHI is the main contractor of ACC.**

Egypt DEC 2025 – Now

Education

- **Industrial Technical Institute** – Overall Grade: Excellent (Graduated)
 - **Faculty of Engineering, Cairo University** – Civil Engineering Department (Completed up to 2nd year)
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Certifications & Training

- Advanced Technical Office Course (**Quantity Surveying, Shop Drawings**)
 - AutoCAD Course
 - AutoCAD Structure Detailing Course
 - SolidWorks
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Technical Skills

- **AutoCAD (2D, 3D, MEP, Structural Detailing)**
 - **Civil 3D**
 - **Microsoft Office (Word, Excel, PowerPoint, Visio)**
 - **Internet Research & Technical Documentation**
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Soft Skills

- **Excellent Communication** (Arabic Native, English Fluent)
 - **Analytical Thinking & Problem Solving**
 - **Team Collaboration & Cross-Disciplinary Coordination**
 - **Client Relationship Management**
 - **Time Management & Ability to Work Under Pressure**
 - **Detail-Oriented and Quality-Focused**
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Languages

- **Arabic** – Native
 - **English** – Fluent (Read, Write, Conversation)
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Personal Information

- **Date of Birth:** 04/10/1991
- **Marital Status:** Separated

