

Mohamed Mostafa Abu-Khadra

Civil Engineer



About Me

Civil Engineer with experience in construction management, site supervision, and technical office works across major projects in Saudi Arabia and Egypt. Skilled in structural works, earthworks, landscaping, grading, cost estimation, and project documentation, with proven ability to deliver high-quality results on time and within budget.



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Riyadh, Saudi Arabia

Driver's License

- Valid Driving License in Saudi Arabia

Education

- B.S., Civil Engineering; Structural Engineering Division 2016 – 2021
- Faculty of Engineering, Tanta University, Al-Gharbia, Egypt
- Graduation Project: foundation Project (Excellent)

Experiences

Site Engineer

Oct. 2024 to Present

Speed Park - Qiddiya Project, Riyadh, Saudi Arabia - **Aswar EL-Rasafa Sub-Contractor** With **ESA (EL SEIF – ALEC)** Company

Consultant: TFD

Responsibilities:

- Earthworks & Site Preparation (CMY Yard Area):**
 - Supervised site preparation for 150,000 m², including excavation, backfilling, soil leveling, Sub-Base layers, and access road construction.
 - Managed grading and compaction to ensure proper leveling and site stability, complying with project specifications and quality standards.
- Heavy Concrete Works (CMY Yard Area):**
 - Supervised casting of 5 raft foundations for Gantry Cranes (5,500 m² each, 1.2 m thick) and 7 Tower Crane bases (120 m³ each).
- Warehouse Construction – METAL YAPI (with ESA) (CMY Yard Area):**
 - Oversaw excavation, foundations, ground beams, and ground slab casting to complete the warehouse.
- MEP Building – Blade Area – Speed Park:**
 - Supervision of pile-supported raft foundation, columns, walls, slabs, and waterproofing works.
 - Reviewed shop drawings, checked against BBS tables, and corrected errors before rebar delivery.
 - Managed on-site execution, consultant handover, WIR preparation, quantity surveying, and prepared invoices.

Site Technical Office Engineer

Aug, 2024 to Oct, 2024

Al-Mimar Al-Arabi Company, Jeddah, Saudi Arabia

Projects:

- Sales Center, Sadaiem Project, North Obhur, Jeddah.
- 100 Villas Project, Al-Hamdaneya, Jeddah.

Responsibilities:

- Prepared shop drawings, including:
 - Structural works, including shop drawings for the underground water tank, covering reinforcement detailing, concrete pouring, and all related foundation and wall construction works.
 - Finishing works such as gypsum board, plastering, masonry works, flooring, cladding for facades, painting works, internal HVAC works, electrical works, carpentry and facade glazing.
 - Mechanical systems like rainwater drainage, HVAC drainage, and sewage systems.
 - Firefighting pipe networks according to safety standards and requirements.
- Managed and organized project documentation, submitted documents to the consultant, tracked responses, and organized them on the computer for easy access.
- Prepared Invoices and monitored project costs to ensure budget adherence.
- Coordinated with project teams to ensure smooth workflow and timely completion of tasks.

Languages

- Arabic (Mother Tongue)
- English (Very Good)
- German (Good)

Programs

- AutoCAD
- Analysis Programs (Sap – Safe – Etabs – CSI Column – SP Column)
- MS Office (Word – Excel & Crystal ball tools – PowerPoint)
- Primavera
- MS Project

Skills & Abilities

- Able to work abroad.
- Hard Working & Self-motivated.
- Effective Communication and interpersonal skills.
- Have the total ability and desire to learn and upgrade.
- Able to work under pressure.
- Team Player

Joiner Project control engineer

May. 2023 to May 2024

Head Office (Egypt), El Madar Engineering Projects.

(Worked on a group of bridge projects in Cairo)

- doing analysis prices for each item.
- Evaluate labor cost, hour and manpower requirements against budget constraints.
- Monitor, evaluate and update project data in budgeted amounts.
- Preparing cost reports sheet.
- create coding system.
- Follow up project schedules and attach recommendations as soon as possible
- Create all Excel sheets for surveying project quantities.
- Reviewing Excel sheets for rebar cutting of all structural elements and comparing them with the actual executed quantities on-site to minimize material waste as much as possible.

Site Engineer

Jun. 2022 to Apr. 2023

Al Haytham Constructions - Civil Site Engineer at the **project of developing the water company branch** in Al-Mahalla Al-Kubra (Egypt)

- **Supervision of maintenance work at a dual wastewater treatment plant:**
 - Modifying pipe routes and replacing old pipes with new welded seamless pipes in the mechanical treatment stage.
 - Completely replacing filtration media in the first stage (mechanical treatment).
 - Maintaining all electrical valves, including water inlet/outlet and air valves in biological treatment ponds; replacing faulty valves.
 - Replacing old air pipelines with new stainless-steel lines in the biological treatment ponds.
 - Maintaining and adjusting all inverters supplying air to the biological basins; replacing defective units.
 - Replacing all hatch covers with new fiber covers.
- **Sewage lines and concrete work:**
 - Adjusting sewage lines.
 - Pouring concrete floors and sidewalks.
- **Supervision of new building construction:**
 - Overseeing excavation, foundation works, and soil leveling.
 - Preparing all required construction drawings, including detailed shop drawings and implementation plans for all project stages.
 - Supervising all stages of concrete and structural execution, including raft foundations, columns, slabs, and all finishing works from A to Z.
 - Preparing Excel sheets for the BBS (Bar Bending Schedule) for cutting reinforcement for all structural elements.
 - Managing construction according to a well-planned timeline.
- **Implementation of garages and stores:**
 - Construction using steel frames and trusses system.
 - Installing lighting systems in garages and stores.
 - Pouring footings for steel frames and trusses system.

Site Engineer

Oct. 2021 to May. 2022

Galala Heights project Ain Sokhna (Egypt), **At Pillars Constructions**.

- Execution of finishing works (plaster – paintings – plumbing – marble – granite – Ceramic – lighting – block works – gypsum board – etc.).
- Calculation all the materials and productivity rates in site to estimated cost.