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Profile:

Civil Engineer with over 13 years of diverse experience in infrastructure projects across the Middle East, progressing from Technical Office Engineer to Construction Manager. I specialized in the execution of tunneling projects (TBM, micro tunneling, HDD) and bridge structures. Skilled in deep foundations, soil improvement techniques, structural concrete works, and managing multidisciplinary teams under strict quality and safety standards. Seeking new opportunities to leverage extensive technical and site experience in delivering complex infrastructure projects.

Employment history:

Lead bridges engineer, Muffareh Alharbi & Partners.

Neom, Saudi Arabia.

November 2023 till now.

Project: Foundation for crusher at WO 61 (Retaining walls and Tunnels)

Construction manager for concrete works with Neom Approval

The project aims to construct a crusher to produce aggregates of various sizes for use in concrete production.

The project consists of a primary station with retaining walls, tunnels, conveyors, and storage slabs.

Role: Lead bridges engineer:

- Leading the execution of all concrete works for the crusher foundation project, including: Retaining walls, tunnels, and conveyor support foundations.
- Reviewing shop drawings and coordinating with the technical office.
- Preparing and updating lookahead schedules in coordination with the planning department.
- Supervising concrete quality, reinforcement, and shutter inspections with consultants.
- Managing a workforce of 95+ engineers, supervisors, and labor.
- Preparing progress reports, risk assessments, and HSE documentation for upper management.

Senior Construction Manager, Concord for engineering and contracting company, Cairo, Egypt

July 2019: November 2023.

Project: 10th Ramadan Light Railway

The project connects New Cairo and 10th Ramadan City to the New Capital Administration via an electric railway, with a speed of 120 km/h. Our company was a subcontractor for Avic, handling two stations (concrete and finishing works) and three railway bridges.

Role: Construction manager executing railway Bridges

- Supervised the construction of 3 major railway bridges and 2 light rail transit (LRT) stations.
- Transitioned from tunnel handover phase to full bridge execution.

- Executed bored piles, pile caps, piers, girders, slabs, and finishing works.
- Coordinated with the main contractor (AVIC) and consultants (Khatib& Alami) for technical approvals.
- Led a team of 200+ including engineers, supervisors, and subcontractors.
- Utilized Primavera for planning and achieved a 10% reduction in overall delivery time.

Construction Manager, Concord for engineering and contracting company.

Suez, Egypt (TBM Tunnels)

January 2019: Feb 2020

Project: Vehicle Tunnels under Suez Canal at Suez Region

Role: Site supervision and management

The project consists of a tunnel bored with a huge tunnel boring machine with entrance and exit. I participate as site engineer at executing deep foundation, dewatering, soil grouting and injection for deep layers, concrete works for substructure and superstructure and Finishing works for entrance and tunnel concrete perimeter.

- Managed site execution of the Ahmed Hamdy 2 Tunnel under the Suez Canal using TBM.
- Oversaw deep foundations, dewatering, soil grouting/injection, concrete structures, and tunnel finishes.
- Reviewed technical drawings, resolved discrepancies, and ensured design compliance.
- Conducted site coordination meetings and liaised directly with the consultant and client.
- Led and mentored site teams of over 120 staff and implemented project controls.

Senior Site engineer, Concord for engineering and contracting company.

Ismailia, Egypt (TBM Tunnel)

August 2011: January 2019.

Project: vehicle tunnels under Suez Canal at Ismailia region

Role: Site Supervision and Execution

The project involved constructing a tunnel using a boring large tunnel machine, complete with designated entrance and exit points. As the site engineer, I oversaw the execution of deep foundations, dewatering processes, soil grouting and injection for deep layers, concrete works for the substructure and superstructure, and finishing works for the entrance and tunnel concrete perimeter.

- Supervised deep foundation works including bored piles, diaphragm walls, and pile caps at the tunnel entrance.
- Managed soil injection and ground stabilization activities to ensure safe excavation under high groundwater conditions.
- Executed retaining wall systems and struts installation to support deep shaft excavation and maintain structural stability.
- Oversaw all civil work required for TBM installation, including base slab construction, guide rails, and launch chamber preparation.
- Constructed bottom slabs and internal drainage systems at the tunnel entrance to manage water flow and maintain dry conditions.
- Applied permanent waterproofing and water isolation systems to protect structural components and ensure long-term tunnel durability.

**Technical office engineer, Concord for engineering and contracting company.
Ismailia, Egypt (Micro tunneling, HDD)**

October 2014: August 2015.

Project: Sarabuim siphon under New Suez Canal

Role: Technical work

Project components: Four deep shafts with an inner diameter 18.3 meters and excavation depth about 60 meters to excavate four tunnels. Every two tunnels pass potable water between two shafts under the new canal using micro tunneling excavation system.

- Worked on micro tunneling (pipe jacking) and Horizontal Directional Drilling (HDD).
- Supervised excavation of 60m-deep shafts (18.3m diameter) using Diaphragm walls and soil Injection with chemical material to execute soil Plug to resist underground water
- Execute four water Pipes using Horizontal Directive Drilling (HDD) to Pass Potable Water under New Suez Canal.
- Prepared shop drawings, BOQs, technical submittals, and procurement logs.
- Liaised between design and site teams, resolving conflicts and optimizing resources.
- Performed general office duties, such as ordering supplies and equipment and maintaining office equipment.
- Developed a new reporting system that reduced project report preparation time by 50%.
- Optimized the procurement process, reducing material costs by 12% over the course of the project.
- Successfully coordinated between technical and on-site teams, ensuring that project specifications were met without any reworks.
- Utilized AutoCAD, Primavera to improve project documentation accuracy and efficiency.

Site engineer, Jefferson for contracting company, Doha, Qatar

March 2014: June 2014.

Project: Lusail expressway in Doha

Company Scope: Executing underpasses and bridges for Hyundai (main contractor)

Role: Site supervision and execution

- Led the construction of a bridge on the Lusail expressway, completing the project on time and reducing material waste by 10%.
- Collaborated with the main contractor, Hyundai, to implement safety protocols that led to a 25% reduction in workplace incidents.
- Successfully navigated a challenging site condition, adapting construction methods to ensure project integrity.

Site engineer, Madaen Aljouf company, Hail city Saudi Arabia

December 2012: December 2013.

Project: Executing Gardens and Playgrounds at Hail city residential zones

Role: Executing and Technical work

Executing landscape, Acrylic, Concrete water tank

- Inspected construction sites to ensure that all Quality and safety standards were being met.
- ___ Collaborated with architects and other stakeholders to ensure that all design requirements were met.

EDUCATION:

- **B.Sc. in civil engineering Zagazig university 2012 (grade: Good), Rank 68%.**
- **Project Management Professional (PMP), Project Management Institute (PMI).**
- **Risk Management Professional (PMI-RMP), Project Management Institute (PMI).**
- **Fundamental Engineering course, National Council of Examiners for Engineers and Surveying (NCEES), under study.**
- **Program Management Professional (PGMP), Project Management Institute (PMI).**
- **Portfolio Management Professional (PFMP), Under study.**

SKILLS & QUALIFICATIONS:

- Excellent communication and presentation skills.
- Proficient in creating engineering reports using Microsoft Word and Excel.
- Construction Management.
- Leadership and problem solving
- Project management, quality assurance.
- Safety compliance, budget control.
- Experience working in **Gulf Cooperation Council (GCC).**

LANGUAGE & DIALECTS:

- English with advanced level.
- Arabic (native language).

Personal Information:

- **Birthday : 2/9/1989.**
- **Nationality : Egyptian.**
- **Military status : Exempted.**
- **Marital status : Married.**
- **Driving license : 161248 (Egypt) & 2559080110 (Saudi Arabia).**
- **Passport No. : A08217109**