

RESUME
Ahmed Helmy Abdel Wahed Ghoneim
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Personal Data:

Name: Ahmed Helmy Abdel Wahed Ghoneim
Date of Birth: 3rd of August 1980G
Place of Birth: Riyadh – KSA
Nationality: Egyptian
Military Status: Exempted
Marital Status: Married + Children
Driving License: Yes

Education:

University Degree: BSc. Civil Engineering
University: Ain Shams
Faculty: Engineering
Graduation Project: Structural Analysis (Very Good)
General Grade: Good
Graduation Year: June 2003G

Languages:

Arabic: Mother tongue
English: Reading: Excellent
Writing: Excellent
Talking: Excellent

Certificates:

- Post Graduate **DIPLOMA in Construction Engineering & Project Management** from
College: Engineering and Technology
University: Arab Academy for Science, Technology and Maritime Transport
- **REVIT Structure Professional “CAD Masters Training & Solutions”**
- **PMP “Project Management Professional” Certification Exam Preparation with CMCS – EGYPT**
- **Primavera P6 “Course # P102 Planning and Controlling” with PROMASTAR**
- **AUC “American University in Cairo”: English Courses**

Computer Skills:

ETABS • SAP2000 • SAFE • STAAD Pro • ADAPT • AutoCAD • Revit Structure (BIM) • Navisworks (Model Review & Coordination) • Autodesk Construction Cloud (ACC) • MS Office • Excel (Advanced)

Personal Skills:

- Project Delivery Support.
- Organized with strong follow-up and documentation control.
- Effective communication with project teams.
- Problem-solving approach.

Career Objective:

To continue my career in Structural Design Engineering, follow up construction projects while providing effective PMO technical support across design, and construction.

Professional Summary:

Senior Structural Design Engineer with 23+ years of experience delivering complex Building and Infrastructure Projects plus comprehensive technical knowledge in High-Rise, Residential, Commercial, Industrial, Mixed-use and Infrastructure-related structural works across KSA, GCC and Egypt.

Strong expertise in Structural Design from PMO Technical Support for Infrastructure Projects, particularly in Water, Wastewater, and Stormwater Systems, with focus on structural verification, multidisciplinary coordination, and project handover.

Experienced in supporting project delivery within PMO environments, ensuring alignment between design, construction, and commissioning through effective coordination and compliance review.

Core Skills:

- Structural Design | Buildings & Infrastructure
- PMO Coordination in Infrastructure Projects
- Water & Wastewater Infrastructure Structures
- Stormwater Drainage Structures
- Underground Structures & RC Tanks
- Pumping Stations & Utility Buildings
- Structural Verification & Handover
- NCR Management & Closure
- Design Review & Compliance
- Shop Drawings & As-Built Review
- MEP & Architectural Coordination
- REVIT Structure
- Authority Inspections Support & Approvals
- BIM Coordination & Model Review (Structural)

Work Experience:

Structural Section Head

AYAR International Contracting Company – Riyadh, KSA

Jan 2025 – Present

- Verifying the Structural Design Adequacy and compliance prior to handover.
- Coordinated Structural interfaces with MEP & Architectural teams during Testing & Commissioning stages.
- Reviewed shop drawings, supervised Revit-based Structural BIM Models, and supported BIM coordination and NCR closure during Testing & Commissioning stages.

Project: **AL-AJLAN Administrative Tower** (32 Floors + 5 Basements)

Structural Section Lead

Saudi Arabian Parsons Ltd (SAPL) – Riyadh, KSA

Oct 2022 – Dec 2024

- Provided PMO-level technical support and coordination of design submissions, ensuring alignment with project specifications, standards, and downstream Testing & Commissioning (T&C) readiness.
- Supported Authority Approvals and Final Acceptance processes by committing design compliance, documentation, and close-out requirements for Ministry of Municipalities and Housing projects.
- Applied Value Engineering and Engineering Procedures during project close-out, supporting constructability, commissioning, and smooth handover.
- Supported BIM-based design coordination and model review to ensure alignment between design deliverables, construction requirements, and T&C readiness.
- Reviewed and coordinated Water Supply Infrastructure (Valve Chambers, Thrust Blocks, Pipe Supports), ensuring structural and interface compatibility prior to commissioning.
- Reviewed Sanitary Sewer Network (Manholes, Inspection Chambers) with focus on compliance, durability for operational testing.
- Coordinated Structural Design Review of Stormwater Drainage Systems (Catch Pits, Inlet Chambers, Box Culverts), supporting pre-commissioning inspections.
- Performed PMO-supported Structural Verification of Pumping Stations (Pump Buildings, Wet & Dry Wells, Equipment Foundations) for T&C activities and operational loads.
- Structural Design Review of RC Tanks and Underground Structures considering Hydrostatic Pressure and Uplift forces due to rise in the Groundwater Levels.
- Coordinating between Design Consultants and Contractors.

Project: **EPMO** at Ministry of Municipalities and Housing

Senior Structural Design Engineer

Freelance – Cairo, Egypt

Jan 2021 – Jul 2022

- Cooperating with Consulting Offices to get the Authority Approval in Design and Shop drawings for Concrete Structures Projects inside Egypt and GCC.

Senior Structural Engineer

ACC “Advanced Consultancy Center” – Riyadh, KSA

Dec 2019 – Dec 2020

- Providing support of the Technical Office Works for **Saudi BAYTUR Construction Company**.
- Coordination between Structural, Architectural and MEP drawings.
- Close about 50+ Structural NCRs.
- Check, Review and Preparation of the Structural Material Submissions for Approval.
- As-Built Drawings Review.

Project: **KAFD** “**King Abdullah Financial District**”

Senior Structural Engineer

ABV Rock Group – Riyadh, KSA

Jun 2015 – Jun 2019

- Reviewed RC and Steel Structures in accordance with American Codes.
- Supported Handover to site team.
- Reviewed Shop Drawings and As-Built Drawings generated from Structural BIM Models.
- Structural Design Review for Utility Buildings like Solid Waste Transfer Station, Pump Room & Water Treatment Plant, Ground Water Tank, Wastewater Treatment Plant & Irrigation Reservoir, Wastewater Network & Pumping Stations, Lifting Stations, Water Supply & Storm Water Network.

Project: **MOI** – **Security Forces Medical City** (2.5 km² including Hospital, Residential & Utilities)

Senior Structural Design Engineer

Freelance – Cairo, Egypt

Dec 2014 – May 2015

- Design some Villas according to ECP (Egyptian Code Practicing) taking into consideration the best structural statical economic system.

Senior Technical Office Engineer

SHADE Corporation Ltd – Dammam, KSA

Nov 2013 – Nov 2014

- Provided technical support to the project team.
- Material submission preparation.

Project: **3 Bridges** belonging to the Eastern Province Municipality

Senior Technical Office Engineer

ARABTEC Egypt for Construction – Cairo, Egypt

Oct 2011 – Jun 2013

- Shop Drawings and As-Built Drawings.
- Supporting site team to close the structural NCRs by design verification and submitting proposals.

Project: **Porto Cairo Mall** – Ring Road – Cairo

Senior Technical Office Engineer

IETC “International Engineers for Technical Consultation” – Cairo, Egypt

Oct 2008 – Oct 2011

- Supporting Testing and Commissioning readiness through on-site structural supervision, ensuring compliance with approved drawings, specifications, and pre-handover inspections for or complex facilities including electrical substations, industrial plants, university buildings, and mixed-use developments.
- Assisted in resolving structural non-conformities and coordinating with contractors, and multidisciplinary teams to resolve interface issues prior to commissioning and final acceptance.

Projects:

- Electrical Substation in New Giza – Cairo, Egypt
- King Saud University for Girls – Riyadh, KSA
- CCM & DRP Industrial Plants – Ain Sokhna, Egypt
Structural Supervision and Shop Drawing review for heavy industrial equipment foundations.
- Up Town Cairo with EMAAR Misr – Cairo, Egypt

Planning / Structural Design Engineer

ASEC for Manufacturing and Industrial Projects (ARESCO) – Cairo, Egypt

Feb 2007 – Oct 2008

- Providing structural design verification for an industrial cement production line.
- Preparing site visit and inspection reports to confirm structural works were completed in accordance with approved designs.
- Utilizing CSI-SAFE software and structural calculation sheets to validating foundation performance under operational loads during commissioning.

Projects:

- Sinai Cement Company, Second Production Line – Al Arish, Egypt
- Concrete Design Department:
Design and verification of isolated, combined, and raft foundations for industrial steel structures.

Structural Design Engineer

IETC “International Engineers for Technical Consultation” – Cairo, Egypt

Sep 2003 – Feb 2007

- Designed reinforced concrete, prestressed, and precast structures using SAP2000, SAFE, ETABS, and ADAPT Floor (PT Slabs), through verified structural calculations, constructability checks, and design compliance.

Projects:

- King Saud University for Girls – Riyadh, KSA
Structural design of precast systems for 5 college buildings.