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KEY EXPERIENCE:

Over ten years working in educational organizations in engineering fields. Lecturer and acting as civil head department.

Over twenty-eight years' experience in structure analysis and design in construction projects.

Over five years working with multi-international companies with remote consulting services in projects design. The majority of the works are in infrastructure, residential projects, and teaching for students of the construction department.

More than fifteen years working with multi-international group engaged design, planning, budgeting works in residential, civil project. Cooperating in teaching and training for students from Faculty of Engineering and graduated engineers.

More than three years working in government authority of education engaged in project design and supervising.

More than three years working in consulting office as supervisor engineer and design engineer.

EDUCATION

P.H.D

Structural Engineering, Structural Dept. Faculty of Engineering, Alexandria University, Egypt (Jan2017). Thesis: Performance of Extended Steel End Plate Shape Memory Alloy Bolted Connections Under Cyclic Loading

M.S.

Civil Engineering, Structural Dept., Faculty of Engineering, Alexandria University, Egypt (Nov. 1995). Thesis: Analysis of Two-Way Vierendeel Girder System

B.S.

Civil Engineering, Grade: Very Good, Faculty of Engineering, Alexandria University, Egypt (May 1989). Graduation Project: Structural Analysis, Grade: Distinction.

Consultant at Concrete Structural Engineering

From Egyptian Engineers Syndicate

Member of Egyptian Syndicate of Engineers

RELEVANT EXPERIENCE:

2017 – Date Lecturer in KMA “**King Marriot Academy**”, for the following courses.

Structural analysis,
Steel Structure Designs,
Repairing and maintenance,
Foundation Engineering,

2025- Date Lecturer in Faculty of Engineering, PHAROS University
Steel Structure Designs

2015-2016 **High Institute for Engineering & Technology**

Lecturer at the construction department

- Theory of Structure
- Numerical Analysis
- Building Construction
- Auto Cad

2007 – Date **web for Engineering Consultations**

Projects

- Technical support for CCC at Al-Nahda Entertainment Complex, Exit 15, KSA
- MISRATAH, International Airport infrastructures, LIBYA
- KKLA, international airport, Urban layout design, LYBYA
- Technical support for HA, CCC company at Down Town, New Allamin
- Phase 2, 3 for Police Club at El-nozha.
- Technical support for HA company at Army Club, New Allamin
- Technical support for HA company at Swan Lake, North Coast
- Structural designs for Hacienda bey, North Coast
- Structural designs for Egyptian Steel Factory, Bany Sweef
- Integrated Infrastructure of Nalut settlement, Libya.
- Administration buildings in SEGAS Damietta, Egypt.
- Integrated Residential and Hotel tourism Project, Qatar.
- Slaughterhouse in Wadi El-Natroun, including surrounded infra, Egypt.
- Multi story Commercial center in maimy, Alex., Egypt.
- Medical Complex at Sobah, Structural design, infra, Sudan.
- Housing design, infrastructure enhancement, and cluster distribution for SAE
2000 HU project, Tripoli, Libya.
- Designing Electrical networks, Hun, Libya.
- Civil Design for Integrated Infrastructures, Maradah, Libya.
- Housing and Infrastructure 400 HU, Ghat & Awayant towns, Libya.
- Integrated infrastructures for Zellaha town.
- Structure Designs for Surman civic center. Sorman, Libya.
- Structure Designs Wadi Tagmut valley agricultural project (Great Man-Made River). Tripoli, Libya.

1996 - 2011, **Sezai Turkes Feyzi Akkaya Construction Co., Libya**

Projects

- 1500 villas & infrastructure (annex 1).
- 700 apartments & infrastructure (annex 1).
- HUN utilities (annex 2) (i.e., tanks, plumbing stations, water towers, pipelines, roads & sewerage, & water supply system & STP).
- Service building for 1500 housing units (annex 3).
- Alzawya refinery civil works, hotel, administration Building, 300 apartments, mosque, bank, sewerage system, and landscaping for a residential village.
- 2000 Housing Unit in Tripoli.

Positions & Duties Assumed in the Projects Above

2007-2011 Remote Consulting Design

- Supervising Jufra projects.
- Supervising SAE project.

2002-2007 Technical Manager

- Design coordinator.
- Cooperate with Structure Dep. Faculty of Engineering, Sirt University.
- Studied and selected proposals.
- Developed plans with timelines for projects' achievements.
- Monitored projects' budgets.
- Maintained meticulous records for projects' documentation.
- Provided technical support for site groups.

1998-2002 Design Office Chief

- Fully designed the turn-key projects.
- Matched the designs with site execution.
- Developed timelines for fulfilling the projects designed.
- Cooperate with Structure Dep. Faculty of Engineering, Sirt University.

1996-1998 Civil Engineer

- Performed partially infra design for the projects.
- Performed structural designs for projects.
- Did the shop drawing for the needed details.
- Ran the measurement work for the projects.
- Administered and backed up the electronic filing system.

1993-1996 The General Organization of the Educational Buildings, Egypt

Project

- Providing maintenance for the existing educational buildings in Alexandria Governorate.
- Supervising the running buildings
- Supervising buildings' construction and assessing the contractors' performance/progress according to the ministry's plans

Position & Duties Assumed in the Project Above
Civil Engineer

- Supervised contractors on site.
- Prepared bids for schools' maintenance.
- Designed special structures for schools on jagged soil.
- Participated as a technical advisor on committees assigned to cost analysis and transaction preparation.

1989-1993 Structure & Design Eng. Refaat Sallaam Consulting Office, Egypt

- Supervised contractors on site
- Designed structures and prepared shop drawings for residential and industrial buildings.
- Performed site and design assignments for the maintenance work in the Harbor of Alexandria
- Prepared required documents for the projects designed (i.e., quantities, specifications, & timelines)
- Prepared reports on soil boring

RELEVANT SKILLS

- FEM with ABAQUS
- Achieving PMP course, PM course 905.
- Excellent command of AutoCAD, Windows & Microsoft Office
- Autodesk CIVIL 3d in Urban and networks designs & measurements.
- Competent in using Sap 2000, Safe2000, STAAD, Prokon, in structural analysis.
- Using Primavera, PM software in project scheduling
- Familiar with Image Editing (Adobe Package).
- Good command of English and fair in Turkish.

QUALITY ASSURANCE AND ACADEMIC TRAINING

- **FLDC Designing and Developing the Digital Content**, *"Faculty and Leadership Development Center"*, 20-21 January 2018
- **FLDC Research Ethics and Plagiarism**, *"Faculty and Leadership Development Center"*, 2 December 2017
- **FLDC E-Learning**, *"Faculty and Leadership Development Center"*, 23-24 December 2017
- **FLDC Communication and Presentation Skills**, *"Faculty and Leadership Development Center"*, 3 December 2017
- **NAQAA, Self-Evaluation: Faculties and Institutes of Higher Education**, Feb 2023
- **NAQAA, Strategic Planning: Faculties and Institutes of Higher Education**, Feb. 2023
- **NAQAA, Teaching Strategies and Effective Learning: Faculties and Institutes of Higher Education**, Feb. 2023

- NAQAA, **Exams and Students' Assessment Systems: Faculties and Institutes of Higher Education**, Feb. 2023
- NAQAA, **Description of programs and courses in light of the competencies/competences approach to the engineering sector**, Feb. 2023

PUBLICATIONS

- Fahmy A. Fath El-Bab, Mohamed M. El-Heweity Mahmoud A. Elfeki, Walid H. Shalaby, "PERFORMANCE OF EXTENDED END PLATE SMA BOLTED CONNECTIONS UNDER CYCLIC LOADING", The ninth Alexandria international conference on Structural and Geotechnical Engineering, Department of Structural Engineering, Faculty of Engineering, Alexandria University, Egypt, 19 to 21 December 2016
- Fahmy A. Fath El-Bab, Mohamed M. El-Heweity Mahmoud A. Elfeki, Walid H. Shalaby, " A PROPOSED ALGORITHM FOR OPTIMIZED SMA BOLTS IN EXTENDED STEEL END PLATE CONNECTION", fifteenth international conference on structural and geotechnical engineering advancements in construction techniques, 19 to 20 December 2018
- A Case Study on construction repair of Syncrolift from Ship Fallen Accident, Walid H. Shalaby *Department of Civil Engineering, Higher Institute of Engineering and Technology, King Marriott, Alexandria 3135, Egypt, DOI: 10.35629/6734-0911020715*
- Momen M. Ali, Abdelrhman B. Harraz, Walid H. Shalaby "Behavior of the internal RC slab-column connection with both correct and incorrect reinforcing details", MEJ Mansoura Engineering Journal, *DOI: 10.58491/2735-4202.3271*
- Momen M. Ali, Abdelrhman B. Harraz, Omar A. Abdellatif, Walid H. Shalaby "Assessing fiber reinforced concrete slab-on-grade design methods: insights from a case study", *Journal of Building Pathology and Rehabilitation* (2026) 11:30, <https://doi.org/10.1007/s41024-025-00698-2>

////REFERENCES**

Available upon request