

PERSONAL DATA:

Name : Moustafa Zayed

CURRENT POSITION : Head of Structural Department, Naga Architect, Dubai, UAE

DATE & PLACE OF BIRTH : 1st August 1978 - Egypt

Certificate : PhD of structural and fire engineering, Manchester University, Manchester, UK, 2015.

Specialist : Analysis and design of reinforced concrete and steel structures

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E-Mail ADDRESS : m_elghreab@yahoo.com

UAE ADDRESS : Discovery Garden, Dubai, UAE

EGYPT ADDRESS : Sheikh Zayed City, Giza, Egypt

MARITAL STATUS : Married

ACADEMIC QUALIFICATIONS:

- **Ph.D.,2015**, Doctorate of philosophy in Structure and Fire Engineering, University of Manchester, UK
- **M.Sc.,2005**, Master of Science in Structural Engineering - Helwan University, Egypt.
- **B.Sc. (Hons.),2000**, Bachelor of Science in Civil Engineering - Helwan University, Egypt.

Grade : Very Good (HD)
Graduation Project : steel structure – Excellent

OTHER QUALIFICATIONS, MEMBERSHIPS AND CERTIFICATION:

- Previous Member of Istructe, UK
- Certified for high rise building design from Dubai Municipality (Unlimited)
- Certified for high rise building design from Ras Al-Khaima Municipality (Unlimited)
- Registered with Trakhees as Structural / Specialist Engineers (Grey Card holding)
- Member of FRP design code of practice, Egypt
- Member of Egyptian Engineering Syndicate
- Member of UAE Society of Engineering
- Driving Licence from Egypt, United Arab Emirates and UK.

LANGUAGES:

- Arabic: Mother Tongue

- English: Fluent Spoken & Written

COMPUTER SKILLS AND SOFTWARE USED:

- Professional user of finite element modelling program ABAQUS.
- Professional user of Structure Analysis Programs ETABS, SAP, SAFE.
- Very Good User of rivet structure (BIM).
- Professional user of AutoCAD.
- Professional user of MS Windows Operating System and MS Office Programs (Excel, Word and Power Point).
- Professional User of Internet Applications and Research.

WORK HISTORY AND EXPERIENCES:

➤ Current Position:

➤ NAGA Architect, Marina Plaza, Dubai, UAE,

March 2018 – Till Now

Position:

Head of Structural Department

Responsibility and Duties

- Manage, with full responsibility and accountability, all areas of Structural Engineering and ensure that all Structural Works are in compliance with the latest Codes, Standards and project requirements
- Planning and scheduling of the structural design stages of assigned projects
- Review the Structural drawings done by senior engineers to ensure its accuracy and provides guidance where necessary.
- Prepare method of statement and technical review.
- Technical support for all site activities related to structural work.
- Review and reply on technical submittals and information requests send by subcontractors and vendors.
- Give Estimation cost for new Quoted steel Projects to get safely statically system with Economic Tonnage using Hot rolled and built up sections.
- Attend the required technical meetings with clients, consultants and contractors to expedite the work as per contract requirements.
- Prepares the department budget for manpower, capital expenditures and other company requirements in line with the Sales budget forecast.
- Setup plans, targets and performance standards for the work procedures of the department.
- Maintains close coordination with all departments at all times to meet the delivery schedules.
- Coordinates with QC Supervisor to review the customer claims and complaints in line with the established procedure.
- Coordinates with other disciplines (Architect, MEP, LA and ID) using BIM and clash detection to insure full coordination.

➤ **Previous Positions:**

- *Dimensions Engineering Consultant, Nassima Tower, Dubai, UAE,
March 2017: March 2018*

Position:

Head of Structural Department

Responsibility and Duties

- are as mentioned above with NAGA

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- *Housing and Building National Research Centre, Egypt
(Building Materials Research & Quality Control Institute)
May 2016: March 2017
Dec. 2003: March 2007*

Position:

Researcher

Responsibility and Duties

- Quality Control for some projects
- Testing of All Building Materials based on different standards.
- Member of a research team for writing The First Egyptian code for Fiber Reinforced Polymer (FRP).
- Teaching some courses in Building Materials for undergraduate students.

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- *Massoud Consulting Group MCG, Egypt
May 2016: March 2017
Dec. 2003: Oct. 2005*

Position:

Group Leader in structural Engineering department Structural Design Engineer

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- *October 6 University, Egypt
Sep. 2016: July 2017*

Position:

Lecturer

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- *The University of Manchester, Manchester, UK
Sep. 2011: April 2016*

Position

Teaching assistant

➤ *Design and supervise of construction of 5 story Building, Egypt*

April 2010: May 2011

➤ **NAGA Architect, Dubai, UAE,**

March 2007 – April 2010

Position

Senior Structure Engineer

Responsibility and Duties

- Structural analysis, design, drawing, coordination with other disciplines and site supervision.
- Attend technical meetings with the clients, contractors, sub-contractors and local authorities.
- Review shop drawings submitted by the contractors.
- Reviewing the prequalification of contractors.

➤ *Consulting Office for Development & Engineering “CODE” Cairo, Egypt:*

Oct. 2005: March 2007

Position

Project Structural Design Engineer

➤ **SENS consulting office**

July 2002: Dec. 2003

Position

Structural Design Engineer

➤ *Strength of Material Laboratory at Faculty of Engineering at Helwan University.*

July 2002: Dec. 2003

Position

Lab Engineer

➤ **Construction Department at Helwan University**

March 2002: July 2002

Position

Site Engineer

FIELD OF EXPERIENCES:

- Extensive experience in Structural Analysis, Mechanics and Design of Concrete and Steel structures. Academic background and professional experience in the areas of structural design, evaluation and rehabilitation. Hands on computerized techniques in structural engineering. Designed and reviewed the design of several structural engineering projects e.g.: power station plants, tanks, bridges, residential and office buildings, hotels, factories, warehouses, etc and have the experience to perform the following jobs:

- Analysis and design of different structures, perform complex analyses for reinforced concrete and steel structures.
- Design and analysis of multi-story reinforced concrete and/or steel structures (medium to high rise buildings).
- Familiar with most of computer aided design and computer application in engineering works as SAP2000, ETABS, STAADP-ROO, SAFE, PROKON, REVIT, AUTOCAD, MICROSOFT OFFICE and other auxiliary structural programs.
- Familiar with most of the International Design codes and standards as, AISC, ASCE, ASTM, ACI, Egyptian Codes (ECP) for steel and concrete, UBC, IBC & BS 8110.
- Review the proposed drawings and calculations done by subcontractors and vendors.
- Attend the required technical meetings with all other trades to expedite the works as per contract requirements.
- Perform static and dynamic analyses of three-dimensional high-rise buildings.
- Supervision on senior and/or junior structural engineers. Capable of leading, directing and containing them to work as cooperative and ideal group.
- Ability to make decisions and recommendations that are recognized as authoritative and have an important impact on extensive projects.

SOME OF ACCOMPLISHED PROJECTS

- Al Marjan 4 Star Hotel, Ras Al-khaimah, UAE
- SOL Avenue Tower, Dubai, UAE
- Union Co-operative Society- Al Quoz, Dubai, UAE
- RAK Northbay Residences – Hayat Island, Ras Al-khaimah, UAE
- Anwa Tower, 56 floors, Dubai, UAE
- Paper Factory in El-Obour City, Industrial Zone, Cairo, Egypt The owner was FIRST for Industrial Development The project was 2 floors, the first is concrete structure and the second is steel structure with many cranes with different capacities. Total area around 150 x 40 m
- Arab world tower, Cairo, Egypt
- Toshiba Glass Factory, Quesna, Egypt Steel Structure with 8000 m²
- Hall 2 at Cairo Airport constructed by ORASCOM
- Three Power stations, “Steel Structure” Cairo, Egypt
 - Naga Hammady Electrical Power Station
 - Elfayom Electrical Power Station
 - Quesna Electrical Power Station
- Pedestrian bridge, Cairo, Egypt
- Pedestrian bridge, Tripoli, Libya
- Hospitals, Jeddah, KSA
- Luxury villas and Palaces, Dubai, UAE.

- Twin Towers – Riyadh – Saudi Arabia Basement + Ground + 15 floors RTV Administration buildings at King Saud University
- N.M.C. Office Building – Umm Elquwain – UAE Basement + ground + 6 floors
- Dubai Bank Jumeirah Branch - Dubai – UAE
- 26 Townhouses at Jumeirah South (Dubai).
- 42 Townhouses at Alwasl st. (Dubai).
- 170 Townhouses at Alwasl st. (Dubai).
- Villas, Marketing and sales Building and Residential Buildings, Buraidah, KSA
- Pedestrian Steel Bridge for Al-Rajhi Mosque, Riyadh, KSA
- MR. Suliman Al-Rajhi Event Palace, Riyadh, KSA
- Main Entrance Steel Shed & Steel Dome at Al-Jezera Mall Project, Riyadh, KSA
- Swift Egypt Company, Free Zone – Nasr City, Cairo, Egypt Storage with 2 levels Steel Structure of total area 6000 m².
- Trans Ocean Company – Qatamiaa, Cairo, Egypt Administration building, under Ground tanks, Fences, security rooms, steel hanger, steel shed and car shed of area 10,000 m²
- National research center (NRC) Dokky, Giza, Egypt Concrete building of 900 m² with 20 m x 20 m open area carrying 8 floors,
- Sun Rise Resort in Harghada, Egypt (Steel Structure) Supervised by ECH (Egyptian Consulting House)
- Oncology Children Hospital, Cairo, Egypt - Steel Structure Supervised by ECG.
- Many other residential buildings.