

Holds a B. Sc. in Civil Engineering (Structural Dept.) and has over 15 years Structural Design and Management experience of all types of building structures in Europe, UK, UAE, Egypt, KSA and Qatar.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 03/10/1978
Gender : Male
Marital Status : Married
Residence : Cairo

EDUCATION

: B. Sc. in Civil Engineering (Structural Dept.), Tanta University, 2003

LANGUAGES

Arabic : Native Language
English : Excellent
French : Good
Lithuanian : Good

COMPUTER SKILLS

: Windows, MS Office, Internet
: Autodesk AutoCAD (Drafting and Detailing)
: Autodesk ROBOT (Structural design and Analysis)
: Tedds spreadsheets (Design)
: 3D max designer (Finite element software)
: Portal frame designer (Design and Analysis of portal frames)
: Building Designer
: Concise Beam (Design of precast elements)
: Prokon (Design of steel and concrete elements)
: SAP 2000 (Structural linear and nonlinear analysis of steel and concrete structures)

TRAINING COURSES AND CERTIFICATIONS

: CSCS Certificate from the UK.
: Attended several seminars and design courses.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Aug. 2018 till now
Employer : ASGC Group - Alshafar General Contracting, Egypt
Projects : New Administrative Capital - R05 & R03 - Office Park & Crescent projects in Mivida Compound fifth settlement Cairo - Centralized tech. Office - Total Projects of turnover about 15Billion EGP (about 850 Millions USD)
Job title : Chief Technical Engineer
Job Description : Review Shop drawings, manage the engineering team, coordination, attending meetings with consultant ECG, coordination between Architectural, MEP, and structural drawings, Design review of post tension slabs in R05 project. Material submittals of all types, subcontractors' submittals and solving technical issues either on site or on technical documents.

Dates : From Apr. 2017 till Feb. 2018
Employer : Global Memar Architectural and Engineering Consultant - Qatar
Job title : Engineering and Technical Manager
Job Description :

- Structural design and management of teams in Poland, Syria and Qatar.
- Design of RC monolithic Concrete Building Structures.
- Design of under and above ground water tanks.
- Design of steel store (dry store) for GET contracting CISCO Group.
- Design of steel Pedestrian bridge (Ablida bridge) Doha.
- Design of facades and glass.
- Manage teams of detailers and engineers in all company branches.

Dates : From Jun. 2013 till Apr. 2017
Employer : ALUMINIUM TECHNOLOGY AUXILIARY INDUSTRIES W.L.L. Alutec - Qatar
Job title : Structural Design Manager
Job Description :

- Design of steel, Aluminum, stainless steel and glass structures, facades, skylights, glazing curtain walls, staircases, balustrades, aluminum panels, and supporting steel structures.
- Design, review and supervision of all products produced by Alutec, like curtain walling, aluminum cladding panels, perforated panels, glazing, handrails, etc.
- Attending meetings with clients, contractors and consultants.
- Solving site issues, rectifications, method of statements arising on more than 50 projects in Doha.
- Review drawings done by detailers, and assuring that the drawings meet structural design.
- Providing construction supervision to projects managers in different sites.
- Work done beside the daily issues raised by clients and contractors.
- Doha Airport - car rental project, design of perforated panels and sequentially, the supporting system underneath on the façade using minimal thicknesses of the supporting structure as well as minimal welding bolts so as not to affect the main panels of 3mm thk. The project is more than 100MN QAR including all areas of work scope.
- Design of curtain walls, roof louvers, lift steel supporting frames of CBQ - Commercial Bank of Qatar, the project is of 3MN QAR.

- Design of internal and external partitions of Regent hotel project including, glass, steel supporting systems, aluminums, and fins. The project is of a contracting value of 18MN QAR.
- Design of curtain wall system using steel supporting trusses of an arched glazing system in Marsa Malaz - at pearl Qatar.
- The project contracting value is of 9.0MN QAR.
- Design of Aluminum louvers using 3D modeling and Finite element program as well as hand calculations to ensure design verification.
- Design of Alferdan Canopy, 3D frame supporting curved cladding of aluminum composite panel of 8MN QAR.
- Design of Aljazeera Signage framing structure.
- Design of Mushaireb project JK1 phase, 5 types of curtain walls + Skylight + louvers of total amount 20MN QAR.
- Design of Lusail towers curtain walls and façade systems of total amount of 38MN QAR.

Dates	:	From May 2011 till Jan. 2013
Employer	:	PreTech - Al Rajhi Holding Group - Precast Technologies, Yanbu - KSA
Job title	:	Design Manager
Job Description	:	<ul style="list-style-type: none"> • Design of all types of precast structures used within PreTech. • Estimation and element cost evaluations which take part in contracting process after structural proposals. • Value Engineering responsible to reduce cost considering the facility of structures in erection which is transformed into savings. • Review, maintain approve all shop drawings provided by PreTech from architectural to erection. • Attending meetings with consultants, and clients to sort out all issues either related to design, manufacture or erection. • As a part of the management team, I have been keen to add new strategies, to achieve PreTech goals. • Leading the design team of PreTech to fulfill the company goals and vision. • Participate in company procedure, brochure, and scope. • Examples of projects: <ul style="list-style-type: none"> - Design of 24, 000 sq. meters of GFRC cladding panels for client Abdul Latif Jameel, 5 stars hotel in Mekkah and consultant Dar al-handasa shair and partener. And the management company is ECG (Egyptian Consulting Group) of total precast cost only 10 MN SAR. - Design of 750 villas for Saudi Arabia National Guards of two types including underground water tanks, staircases, cladding and parapets. The project precast total cost is 74 MN SAR. - Mashaer project in Arafat, Muzdalefah and Menah - Design 8 Models of buildings used as toilets in Al-Haj. (Pilgrimage) of approx. contracted precast amount 90 Million SR. - Design of 49km boundary wall for BEC (Bekin, Emirates Company) of approx. contracted precast amount of 34 million SR. - Design of 50 km boundary wall of Alrajhi (PreTech sister company within Alrajhi holding group) of approx. Amount of 31 Million SR. - Design of Bulgu boundary wall, garages and access precast rooms, of approx. contracted precast amount of 28 million SR.

- Cladding and hollow core slab design in King Abdul Aziz University for main contractor Alsait.
- Cladding and hollow core slab design in King Abdul Aziz University for main contractor Alterrais of average contract price 6.0 million SR.

Dates : From Oct. 2010 till May 2011
Employer : PreTech Technologies, Yanbu
Job title : Senior Structural Design Engineer
Job Description :

- Design of Precast structures and solving design issues with clients and internally within the department.
- Review shop drawings, and all work done by the draftsmen and detailers.

Dates : From Mar. 2010 till Oct. 2010
Employer : Technical Office Engineering Consulting Group "ECG", Cairo
Project : Palm Hills Golf and Parks Project, 6th of October City
Job title : Senior Structural Design Engineer
Job Description :

- Reviewing and approving workshop drawing provided by the main-contractor "UCC".
- Solving design issues raised on site.
- Coordination between architectural and structural drawings against shop drawing provided by the main-contractor.
- Following work progress schedule and meetings.
- The project consists of 600 villas each of different architectural and structural design. The project cost is of more than 2.5 Billion EGP.
- Villas landscape view on golf yards where palms, lakes and bridges crossing lakes.

Dates : From Dec. 2008 till Jan. 2010
Employer : ALMERAIKHY INDUSTRIAL COMPLEX, ALMERAIKHY PRECAST, Abu Dhabi, United Arab Emirates
Job title : Senior Structural Engineer / Design Coordinator
Job Description :

- Structural Design and Design coordination of Formula 1- Race Track Project - Yas Island. The project consists of 11 buildings around and in-between the race track. I was responsible for the design of all precast elements including staircases, bleachers, walls, cladding, steps and tiles. I am also responsible to coordinate between production, design and construction progress providing technical reports and attending progress meetings periodically.
- Design of Precast Theatre for Statistics Centre Abu Dhabi where conferences and training courses are held. The project is 2 floors of 500 m2. Curved walls carried on precast curved beams which are supported by curved columns as well at the entrance were provided, full details of design and construction progress schedule was also provided.
- Coordination and solving design issues for Almeraikhy Project in Dubai Airport.
- Design of Precast Villa for Statistics Centre Abu Dhabi.
- Design of Hollow core slabs for several projects in UAE.

- Design of monolithic villas (Ground + 3) Khalifa City, Abu Dhabi. The project consists of 4 groups each of 4 villas. I am responsible for full 3D, FE Design and hand calculations.
- Design of gantry crane foundation in ALMERAIKHY Mussafah Factory and design of ALMERAIKHY pretesting beds in Al Oshoosh Factory. Design of in-situ elements as far as the precast work required.
- Review and maintain the work done by detailers and draftsmen.

Dates : From Jun. 2008 till Dec. 2008
Employer : CTC Group, RAK Precast, Ras Alkhaimah, United Arab Emirates
Job title : Structural Engineer
Job Description :

- Design of precast multi story (Ground+5) labor accommodation Jebel Ali, Dubai.
- Design of 14 multi-story labor accommodation (Ground+3+Roof+upper Roof) fully Precast Dubai.
- Design of precast boundary walls all types like hollow core, solid panels, pocket footings (precast boundary walls of one, two- and three-pieces footing).
- Design of precast manholes.
- Design of Pre-stressed beams, Double T, Single T and hollow core up to 600mm thick.
- 3D Modeling for evaluation of lateral load effect on multi-story precast structures.
- Review and maintain the work done by detailers and draftsmen as a part of work responsibility.
- Preparation of Data Base and Excel design sheets according to ACI, UBC, PCA and British Standard.

Dates : From Apr. 2007 till Apr. 2008
Employer : Waterman Quadrant Cardiff, UK
Job title : Structural Engineer
Job Description :

- Design of RC multi-story living and administration buildings using the British standards and computer programs.
- Reviewing the design and drawings of Cardiff Central Library: The project was designed by Ove Arup. The project is a 5 multistory RC, steel, timber and composite structure. My task was to review the design made by Ove Arup and to ensure that the design satisfies Land Securities "Employer". The project is of approximate area of 2200 square meters in the centre of Cardiff the capital of Wales.
- Design of Glamorgan Record Office: The project is of approx. area of 2000 square meters in Cardiff the capital of Wales and is monolithic RC part and another half of composite steel structure.
- Design of North Cardiff Medical Centre: The project is of 3 floors of approx. area 1000 square meters monolithic RC structure.
- I have also designed and participated in many projects of portal framed factories in Swansea, Bristol and territories around Cardiff area.

Dates : From Oct. 2005 till Apr. 2007
Employer : UAB "Devi PSP" Vilnius, Lithuania

- Job title** : Structural Engineer
- Job Description** :
- Reinforced Concrete and Precast multi-story living and administration buildings, multi-Story parking under and over the ground level. Water tanks and swimming pools in different types and shapes using the Ultimate Limit State design method, Robot Millennium and offering in details the shop drawings and the estimation of all quantity surveys.
 - 10 floors with basement building in Vilnius, of approx. 2000 square meters area.
 - Two 3500 square meters parking in Vilnius.
 - 6 floors monolithic living houses in Vilnius.
 - 4 floors living home of bearing walls and pre-slabs in Vilnius.
 - 9 floors group of repetitive hotels with swimming pools on the last floor in Palanga on the Baltic Sea.
 - Water tank in Vilnius in full details of reinforcement and calculations, etc.
- Dates** : From 2003 till 2005
- Employer** : UAB "Pro Domo Sua"
- Job title** : Structural Engineer
- Job Description** : Metal and Reinforced concrete structures in Vilnius offering the shop drawing in a project designed in Thailand called "ORION GLOBAL PET" Factory in Klaipeda.
- Field of experience** :
- Design of steel, RC monolithic multi-story buildings.
 - Design of Precast structures.
 - Design of facades of aluminum glazing.
 - Manage a 40-person team including engineers, detailers and draftsmen.
 - Value Engineering- Reduction of direct cost using proper design.
 - Professional in FE programs and software.
 - Using BIM philosophy and coordination between related Autodesk programs.
 - Structural Calculations note preparation, submittal and approvals.
 - STRUCTURAL CODES:
 - British standards (Structural steel, concrete and aluminum).
 - American concrete institute (ACI codes).
 - Uniform building code (UBC 1997) and International Building Codes (IBC).
 - Australian standards (Glass, Steel).
 - American Institute of steel Construction (AISC LRFD and WSD).
 - American Society of Civil Engineers (ASCE codes for loads).
 - European Norms (Eurocode 0, Eurocode 1, Eurocode 2, Eurocode 3, Eurocode 8, Eurocode 9).
 - Precast codes (PCA & PCI).