

Over nine years of experience , Four years with ECG in structural engineering & analysis; preparation of concrete dimensions, sketches and reports with supporting calculations; supplying drafting staff with information to assist in the production of detailed drawings; design of reinforced concrete structures for building projects including foundations, columns, beams, slabs, cores and shear walls; development of initial designs, using mathematics to calculate the stress that could arise at each point in the structure, and simulating and modeling possible situations, such as high winds and earth movements; execution of work in compliance with project requirements and the company's quality system and preparation of BOQ. Familiar with local and international codes.

NATIONALITY

Egyptian

DATE OF BIRTH

30/1/1983

LANGUAGES

Arabic, English (V.Good)

Personal E-mail

kemo102000@yahoo.com

EDUCATION AND PROFESSIONAL QUALIFICATIONS

- M.Sc.In Reinforced Concrete, Faculty of Engineering, Helwan University
- B.Sc., Civil Engineering, Helwan University, Egypt, 2005.
- IENG of British civil Engineers
- BIM Specialist and structural Engineer at Dar Al-Handasah .
- Member of the Egyptian Syndicate of Engineers.
- Member of British institute of civil Engineers.
- Member of Federation of Arabic Engineers.
- Author of Revit Structure Fundamental 2012 Book
- Author of Building Information Modeling Book
- NOBEL EGYPT academic committee member
- Training Coordinator between Structure & HR Departments.
- Approved technical instructor for Revit Structure.
- Approved technical instructor for Revit Architecture.
- Approved technical instructor for Csi Program (Sap2000 – Etabs – Safe – Csi-Column)
- Approved technical instructor for "On the Job "training implemented at the Structural Department at ECG
- Deputy Project Manager/technical manager of University To Work initiative at ECG,

(This initiative aims to produce world class skilled students among Egyptian universities and qualified them by developing their technical and soft skills and molding their character to become to comply with market needs).

- Revit Structure Instructor at Kemet Authorized Training center from 2009-2011
- Sap2000-Etabs-Safe-Csi Columns at Kemet Authorized Training center from 2009-2011
- Revit Structure Instructor at MTC Authorized Training center from 2009-2011
- Sap2000-Etabs-Safe-Csi Columns at MTC Authorized Training center from 2009-2011
- Order of scientific excellence from the College of reserve officers.

EXPERIENCE

- 2008-2011,- present - ECG Engineering Consultants Group S.A., Cairo, Egypt; Senior Structural Engineer. Responsibilities include implementing specific structural work in accordance with project work program; organizing and supervising the work of engineers and draftsmen and providing support and/or advice to other project technical teams; preparing feasibility reports, financial appraisals, scheme approval, estimates; responsible for efficient and effective analysis and design of structural works, preparation of drawings, contract document and liaising as directed with consulting engineers, other disciplines or contractors for the following projects:

- Navil base Project
(Participating in a team to create design, and drawing of the structure element in the project)
- Hawdi Project
(Participating in a team to create design, and drawing of the structure element in the project)

2011- 2013, Dar Al-Handasah (shair and partners) ., Cairo, Egypt;
Structural Engineer- BIM Engineer. Participated in the following projects:

- Air Show 2013 (Dubai Airport)

Create Rivet Model, Participating in a team to create design.
- Car park on (Dragon Mart Mall in Dubai)
Participating in a team to create design.
- Dragon Mart Mall in Dubai
Participating in a team to create design.
- Dragon Mart Hotel in Dubai
Participating in a team to create design.
- **Kingdom Tower (The highest building in the world)**
Review in progress Revit model .(1200m height - 268 floors)
- Air Show 2015 (Dubai Airport)
Create Rivet Model, Participating in a team to create design.

- Mental Hospital
Create Rivet Model, Participating in a team to create design.
- SHAMIYAH EXPANSION (El Haram El MAky)
Participating in a team to create design.
- **2008-2011, ECG Engineering Consultants Group S.A.,** Cairo, Egypt; Senior Structural Engineer. Responsibilities include implementing specific structural work in accordance with project work program; organizing and supervising the work of engineers and draftsmen and providing support and/or advice to other project technical teams; preparing feasibility reports, financial appraisals, scheme approval, estimates; responsible for efficient and effective analysis and design of structural works, preparation of drawings, contract document and liaising as directed with consulting engineers, other disciplines or contractors for the following projects:
 - Al Marasem International Hospital, Egypt. With a built up area of 30,000 m², the 200 bed general hospital aims to deliver comprehensive healthcare services. The hospital comprises Operation Rooms, One day Operations Department, Surgical Department including an Intensive Care Section, Labor/Delivery Department including a Caesarean Section, Intensive Care Unit, Coronary Angioplasty Department, Endoscopy, Emergency, Physical Therapy Department and Outpatients Clinics in addition to the high tech X-ray department and laboratories. The hospital supporting departments comprise central kitchen, laundry, morgue, administrative and sterilization.
 - Millennium Resort Hotel, Mina AlArab, UAE. A luxury five stars south pacific resort comprising Main Building (4 floors, 300 room), Family Bungalows, 2 Specialty Restaurants, Kids Club, 2 Tennis Courts, Spa, Pool Bar & Pub, Ball Rooms and Parking areas.
 - Detailed Design For Credit Agricole Head Office, Egypt. The New Head Office Complex is planned to accommodate headquarters staff from different locations currently existing in central Cairo locations. The new CAE Head Office Building is located on a plot area of 51,334m² in New Cairo. The project will be implemented on 50% of the area (26,667 m²), with a built up area of 42,000m² comprising two basements, ground floor, and three typical floors. The building emerges from an oasis of palm trees. The strong, regular geometry of the building is contrasted by irregular shapes of the surrounding landscape elements, namely, the palm trees and large boulders. The design intelligently uses the project site's natural slope, creating a semi open garden floor. Energy simulation model was developed to evaluate the building form and orientation in relation with the overall building energy efficiency. To satisfy the needs of this particular project in terms of accurate modeling and coordination among different disciplines.
 - Ritz Carlton Palm Hills Golf Club and Resort, Egypt. With a built up area of 47,082 Sq m the project comprises the construction of a new Ritz Carlton Hotel of 160 rooms operated by Ritz Carlton in Palm Parks, 6th of October Each exquisite guestroom in the 160-room resort will feature spacious accommodations to showcase contemporary design with uninterrupted panoramic views of the legendary pyramids, enabling guests to experience a unique interpretation and view of the local lifestyle and culture.
 - Mall Of Arabia - 6th Of October, Egypt. Africa Mall indoors is a fully equipped shopping mall in an organic spine hallway passes through retail shops and anchors on both sides of the hallways. Large number of restaurants and coffee shops are scattered on the side overlooking the outdoor plaza where the terraces, pergolas and verandas are in an open and semi-open atmosphere. The total built-up area is 245000 m², and the total land area is 882000 m².
 - Cairo Festival City (CFC) Project, Egypt. CFC retail project, one of the first mix use projects in Egypt consisting of an indoor/outdoor shopping center comprised of two to three levels, luxurious villas, cinema complex, residential and commercial buildings, over 223000 m² (2.4 million square feet).

- Residential Leisure And Commercial Compound, United Arab Emirates. Approximately 60,000 m² of (8) Apartment Tower buildings with total of 400 units (including ground retail provision on (6) blocks). About 185,000 m² of Villas (80 townhouses, 140 semi-detached and 165 detached housing). Community Centre which will house all amenities namely a supermarket, retail and fast food shops, recreational facilities, bank and mosque for the residents. Basic Mechanical and Electrical amenities to cater to the requirements of the community. Basement parking spaces for the residents and visitors (approximately 608 slots for apartments and 39 slots for tower retail shops).
 - Biological Control Lab and Agriculture Research & Development, Qatar. Public Works Authority (ASHGHAL) wishes for the development of Al Mazrooah Agriculture Research Facility, Biological Control Laboratory and Annex Multi-purpose for training and conference under the Ministry of Municipal Affairs and Agriculture.
 - Danat Al Emarat Women & Children Hospital United Arab Emirates. Occupying a land of 90,000 Sq ft, Danat Al Emarat Women and Children Hospital aims to deliver comprehensive healthcare services in a 12-floor luxurious specialized hospital for medical and gynecological services are offered starting from birth, to menopausal transition, to elderly years. All hospital design features systematically integrated green engineering methods and energy conserving technologies to create a healthy, hazard-free interior environment. With a built-up area of 84,000 m², the 256-bed hospital offers a wide array of medical specializations. For an ultra lavish experience, the exceptional facility is rich in first-class amenities such as extensive foliage, royal and VIP suits; a wellness centre/spa comprising a fitness studio, gymnasium, water therapies, a salon, a boutique retail concourse; out/indoor dining restaurants, and a gift shop.
 - Renovation of Cairo International Airport Terminal Building 2, Egypt. The aim of the project is to double the capacity of TB2 to 7.5 million passengers per year. With a built-up area of 170,000 m² the project comprises the renovation of the existing Terminal Building 2, the construction of new buildings which includes a new departure hall, and a new airside pier, doubling the existing total built-up area of TB2. The renovation program will also include a major upgrading and extension of the airside and landside pavements, involving more than 300,000 m² pavement constructions. The USD 400 million Project is financed by the World Bank, and is intended to be the first green airport terminal building in the Middle East and Africa.
 - AlWaab - Design of Villas and Neighborhood Clubhouse, Qatar. AlWaab City blossoms into an exclusive ensemble of luxurious villas, a series of medium-rise residential apartments, over 100000 m² of retail and recreation space, nearly 200000 m² of commercial space, a world-class 200 room hotel, and over ten thousand car parking slots.
 - Hyde Park, Egypt. DAMAC unique residential and commercial development in new Cairo over 1500 feddans .the development shall consist of luxury villas, large family villas, villas, townhouses (2,4 and 6 plex units), apartments, retail centers, commercial office towers (72 m high) golf course, golf club, sports and health center, and community facilities.
 - Madinaty Sporting Club, Egypt. Total gross area for Madinaty Sports Club shall be 450 000 m² including the external parking areas. The club consists of 3 parts, the academic sector, the sporting sector and the social sector.
- **2005-2008, Military Service.**

COMPUTER SKILLS

- Autocad
- Revit Structure
- Revit Architecture

- Autodesk Navise Work Manage
- Autodesk Robot Structure
- AutoCAD Architecture 2010
- Sap2000
- Etabs
- Safe
- Csi Column
- Autodesk Vasari Project
- Ram Concept (Post tension)
- Staad Pro
- AutoCad Structure Detailing
- Autocad civil 3D
- Microsoft Office

Events & Conferences

- Leadership workshop, December, 2009.
- Time Management Skills workshop, December, 2009.
- Kemet Conference on Safe 12.2, December 2009
- Communication Skills workshop, April 2010.

PUBLIC SERVICE

- Training Of Faculty Of Engineering Students