

102107-CVL-DE-E-2007
Senior Structural & Design Manager

Holds a B. Sc. in Civil Structural Engineering and has over 10 years hands-on experience working as Structural Engineer in Coordination, Technical and Design works. Participated in performing Engineering Tasks for major projects in Gulf region and Egypt with international companies.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 10/09/1985
Gender : Male
Marital Status : Married
Residence : Al Haram Distract – Cairo

EDUCATION

: B. Sc. in Civil Structural Engineering, Cairo University

LANGUAGES

Arabic : Native Language
English : Fluent

COMPUTER SKILLS

: Windows, MS Office, Internet
: AutoCAD
: Revit Structure
: SAP 2000
: ETABS Analysis
: SAFE Analysis
: Primavera P6
: Building Information Modeling (BIM)
: PCA, CSI Column

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Dec. 2015 till Apr. 2017
Employer : BILFINGER International – Jeddah, Saudi Arabia
Projects :

- Petrochemical Factory Extension:
 - Aramco petrochemical extension located in Jizan with total budget of 810 million SR.
 - Extension factory Building has a total footprint area of 4210 m2 and the extension includes main chemical exposer building, wash down

area, new administration building and operation building.

- Al Dyafah Hotel:
 - DYAFHA Hotel located in Jeddah with total Budget of 590 Million SR.
 - DYAFHA Hotel Building has a total area of 4200 m2 and consists of 2B + G + Mezz + 12 floor + annex.
- Diyar Sara Compound:
 - Diyar Sara Compound located in north Jeddah with total Budget of 680 Million SR.
 - Diyar Sara Compound consists of 80 villas with 5 types of architecture + 3 health club + landscaping.

- Job title** : Senior Structural & Design Manager
- Job Description** :
- Leading a team of engineers in Multiple engineering disciplines to provide a complete Building design package including basics of design, design criteria, conceptual and detailed design drawings, calculation sheet reports, complete Check and Review on design + Preparing related issued for construction detailed drawings with related submittals and reports for major projects listed above.
 - Assist the Engineering Manager in the management of staff and sub-consultants engaged in carrying out Design, investigations, feasibility studies, structural inspections and assessments, and preparation of contract documents for engineering works and construction supervision.
 - Review and comment on consultants' designs and documentation.
 - Supporting, understanding and advising the client as to the requirements and in the development of a building design.
 - Manage the development of designs Carried out by external designers to ensure they are functional, cost-effective and coordinated.
 - Reviewing and coordinating the Architectural, Structural and MEP design drawings.
 - Ensuring the design process recognizes current legislation, standards and codes of practice, where appropriate.
 - Attending top management meeting with Clients and consultant and projects coordination.
 - Coordination between design team and supervision site team

Dates : From Dec. 2012 till Dec. 2015

Employer : HUTA Group

- Projects** :
- KING ABDULLAH PORT:
 - KAP located in King Abdullah Economic City with total Budget of 8 Billion SR.
 - KAP Port considered one of the biggest 5 ports around world when completed in July 2025.
 - KAP Port including various types of buildings (customs, quarantines, workshops, VIP, coats guards, office buildings, health care buildings...etc.) also include quay walls, jetty, bridges and marine Structures.
 - Jeddah South Thermal Power Plant:
 - JSTPP is one of the largest Power planet invested by Saudi Electric Company SEC with total budget of 2 Billion.
 - Project includes 2 Highway Bridges, intake and outfall channels, marine structures, roads and the main operation building.
 - Yanbu Commercial Port:
 - YCP Port located in Yanbu with total budget of 180 Million SR.

- Project includes 190m quay wall, operation buildings, loading area, observation tower, floating docs and customs buildings.
 - Al Madinah Haram Expansion: Our Tasks were the earth works and dewatering for all the project area.
- Job title** : Technical & Design Manager
- Job Description** :
- Leading a team of Structural engineers to provide a complete Structural design package including basics of design, design criteria, conceptual and detailed design drawings, calculation sheet report, complete Check and Review on design + Preparing related issued for construction detailed drawings with calculation reports for major projects listed above.
 - Perform structural analysis, design, and drawings preparation for buildings structures.
 - Prepare computer models 2D and 3D structural analysis model and technical reports requested from consultant.
 - Provide professional advice to the Engineering Manager in the event of emergency incidents affecting the structural integrity of buildings and structures.
 - Reviewing Earth work design including dewatering system, excavations and Side slop protection.
 - Following and reviewing of Marine works Design including quay walls, dredging Cut off layouts, floating docks design and installation method.
 - Providing all technical structural support to the company's construction sites and Solving all technical problems occurred while ongoing construction Process.
 - Coordinating and Following with other departments Architectural and MEP to check for any miss- coordination in design drawings.
 - Communications and coordination between sub-designers, Site projects, consultants and clients.
 - Attending meetings related to the company projects with the consultants, site team and clients representative.
- Dates** : From Apr. 2010 till Jul. 2012
- Employer** : RABYA Construction – KSA
- Projects** :
- Umm Al Qura University:
 - Educational media center building:
 - EMC Building located in Umm Al Qura University with total Budget of 90 Million SR.
 - EMC Building has a total footprint area of 2700 m2 and 3 stories.
 - Main university mosque:
 - MUQ is one of the largest Mosques in Makkah with total budget of 110 Million SR.
 - MUQ Building has a total footprint area of 1800 m2 and the Masjid Minaret total high of 85m.
 - College of applied science (women's camp):
 - CAS Building located in Umm Al Qura University with total Budget of 240 Million SR.
 - CAS Building has a total footprint area of 4200 m2 and 5 stories.
 - Class room building:
 - CR Building located in Umm Al Qura University with total Budget of 66 Million SR.
 - CR Building have a total footprint area of 1300 m2 and 3 stories.

- Job title** : Structural Technical Office Department Head
- Job Description** :
- Manage and prepare all structural technical activates including submittals, shop drawings, IFC drawings, redesigns and structural design calculations and perusing to get the approvals for all structural submittals from the project consultant.
 - My responsibility also is to provide full supervision + technical Support for all Company's construction sites, managing and solving any Technical problems happened during construction.
 - Attending top management meeting with the Client and the consultant.
 - Coordinating between Structural and other department drawings (Arch and MEP).
 - Following with the construction site team in all construction sequence and assure that its in line with the design drawings.
 - Take part in the project management review and risk management review.
 - Follow up with subcontractors and suppliers during negotiations and offer award or Subcontract terms, performance and payments.
- Dates** : From Jul. 2007 till Apr. 2010
- Employer** : EGECE Consultant – Egypt
- Projects** :
- Design of Al Baker executive towers (Tower 1):
 - The tower consists of 3 Basement + Ground + 53 floors located in Qatar.
 - A high rise building with total high near 210m.
 - The Tower designed according to British standard code, Responsible for all structural analysis concrete and steel design, piles coordination, 3D modeling (SAP, ETABS, SAFE.....), including the Wind Tunnel Test Data for wind- loads and effects working with WIND TECH Co. Australia Make a complete structural design for all tower elements like (slabs, beams, Retaining wall, water tanks, Ramps, Raft, Columns, Cores, etc.).
 - Design of Al Gaith Tower:
 - The tower consists of 4 Basement + Ground + 47 floors located in Qatar.
 - Carrying out all structure design such as Al Baker Tower mentioned before.
 - Design of Al Gubail Bridge:
 - Al Gubail Bridge located in KSA, working with Synopic Construction Co.
 - Carrying out full Structural design review for all bridge elements Deck Bridge, columns, abetment, pile caps, post tension spans, Pile arrangement and foundations condition (Cast-in-place).
 - Design of Omar Ibn El Khatab Bridge:
 - Omar Bin El Khatab Bridge located in KSA, working with Synopic Construction Co.
 - Carrying out all bridge element design as mentioned before (Pre cast).
 - Design of Jeddah Water Treatment Plant:

Participated as structural team member to design special buildings with very special design conditions dealing with water, waste water and chemical materiel for the following buildings:

 - Power Plant.

- Pump station.
- Back wash station.
- Chemical washing rooms.
- Design of Glass Factory Project:
 - Glass factory project is a large scale industrial building, constructed in south Egypt.
 - The factory consists of 2 administration building + main industry building + store building, Designed with steel and concrete and composite sections.

Job title : Structural Design Engineer

- Job Description** :
- Provide Full Detailed structural analysis and complete design according to international design codes (B.S / ACI / AISC / IBC / SBC / ...) for multiple Purposes Projects.
 - My responsibility also to provide complete structural 3D modeling using ETABS, STAD programs and 2D Structural modeling Using SAP2000, SAFE programs to all of my designed projects With full detailed calculation report Also design steel and post tension structures.
 - Design of residential, public and height rise building.
 - Design of steel structures.
 - Design of post tension structures.
 - Design of bridges and special structures.
 - Design of water tanks, Towers and industrial buildings.
 - Technical supervision and support for construction sites.
 - Check and review for existing buildings.
 - Using computer programs for modeling any types of structures.
 - Preparing shop drawings, Bar bending schedule and quantity calculation for construction sites.
 - Experience in budget and financial monitoring of projects.
 - Promoted in 2009 to be Structural Design Team Leader.

- Field of experience** :
- Design Management.
 - Engineering coordination.
 - Structural Design.
 - Technical Office.
 - Proposals and contracts.
 - Design and Technical experience:
 - Towers and High rise buildings.
 - Ports and Marine Structures.
 - Coordination and Shop drawing.
 - Proposals & Tender preparation.
 - Residential, commercial and Hospitals buildings.
 - Factories and industrial buildings.
 - Civil Dewatering and earth work.
 - Real Estate and Mega Hotels Buildings.
 - Design Codes:
 - Egyptian code of practice (ECP).
 - British Standard Code (BS 8110).
 - ACI, UBC and AISC.
 - AASHTO (bridges code).
 - International Building Code (IBC).
 - Saudi building code (SBC).