

Holds a B. Sc. in Civil Engineering (Major: Structural) and has over 15 years hands-on experience in the structural engineering field responsible for the engineering and review of steel structures and foundations using international codes and standards, participated in Detailed design and FEED projects for EPC industrial and downstream onshore oil & gas/refinery as well as Petrochemical projects (Projects to be executed in Middle East, South America, Russia, Australia & Gulf).

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 16/04/1983  
Gender : Male  
Residence : Currently KSA

## EDUCATION

: B. Sc. in Civil Engineering (Major: Structural), Ain Shams University, 2005

## LANGUAGES

Arabic : Native Language  
English : Very Good  
French : Good

## COMPUTER SKILLS

: Windows, MS Office, Internet  
: Staad, Sap, Mat3D, Descon, RisaBase  
: Tekla, PDMS, PDS, Microstation, Smart Plant 3D, AutoCAD  
: Smart Plant Viewer

## TRAINING COURSES AND CERTIFICATIONS

: At CB&I – Cairo:  
• Off-shore/Subsea induction Course (Internal) (Aug. 2013).  
• Transportation & Lifting Analyses Course (Internal) (Aug. 2013).  
• Leadership Skills Development Workshop (Internal) (Jul. 2013).  
• 3D Smart Plant 3D (Intergraph) (Jan. 2013).  
• Negotiation Skills (Quick wins) (Dec. 2012).  
: At CB&I – London:  
• Construction (Internal) (Aug. 2011).  
• Erection (Internal) (Aug. 2011).  
• Time Management (Internal) (Sep. 2011).  
• Project Execution strategy (Oct. 2011).

- : PDS (Intergraph), Aresco (Jul. 2010).
- : Microstation (Intergraph) (Jul. 2010).
- : Tekla Structures (Internal) (Dec. 2007).
- : Staad (Apr. 2006).
- : Sap 2000 (Military Information Institute) (Jan. 2005).

## CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Sep. 2020 till now
- Employer** : ENPPI
- Project** : Downstream pipeline Haradh Increment (HUG-2) (EPC), KSA - Hofouf
- Job title** : Civil / Project Engineer
- Job Description** :
- The scope includes executing of new 56" pipeline from HGP (scraper launcher area) to UGP (scraper receiver area) for 56 km corridor, in addition to two valve stations.
  - Working with main Contractor to handle all Engineering, Procurement and construction scopes.
  - Supervising the sub-contractor on all working activities along with construction team and having daily/weekly progress meeting.
  - Attending weekly progress meeting with the client and preparing MOMs.
  - Attending weekly HSE & QC meetings with the client.
  - Attending Meeting with suppliers to resolve outstand issues and all QC findings. Also, Tracking material status with Procurement team.
  - Attending Alignment meetings with whole team including HSE, QC, Planning, Procurement and construction to Discuss daily and weekly activities in junction to target plans, discussing the planned and actual progress, set construction lookahead plan, having resolutions on site issues.
  - Tracking Engineering issues & site TQ's.
  - Tasks in ENPPI:
    - Attending meetings with client.
    - Preparing daily report.
    - TQ's & RFI's.

- Dates** : From Jan. 2015 till Sep. 2020
- Employer** : Jacobs – KSA
- Projects** :
- Marjan Pipeline program, Tanajib, KSA (Detailed Project), Aramco:
    - Role: Civil/Structural Lead Engineer (two separate packages).
    - Leading & supervising the team of engineers, designers and cad operators.
    - Structural analysis and design of Thrust anchors, pipe supports and operating platforms.
    - The scope includes executing of new eleven pipelines as follows:
      - ❖ Package #16: nine pipelines running from Tanajib gas plant to Tanajib GOSP to UGP for 56 km corridor, in addition to three valve stations.
      - ❖ Package #17: two pipelines, one pipeline is running from Tanajib gas plant to Juaimah Terminal and one pipeline running from Tanajib GOSP to Ras Tanura refinery, in addition to four

- valve stations.
  - ❖ Interface with Package #18 at one valve station.
- Preparing structural calculation reports.
- Coordinate with client, project manager and other departments to resolve any design issues.
- Attend alignment meeting with all disciplines to Review design package and ensure quality procedures is followed on all milestone phases.
- Ensure compliance of the design with Saudi Aramco and industry Standards.
- Preparing related scope of works.
- Vendor documents reviews and procurement support.
- Yanbu Distribution Hub, Yanbu, KSA (Detailed Project), MARAFIQ & SAMREF & Royal commission:
  - Role: CSA Lead Engineer.
  - Complying to Aramco standard as well as MARAFIQ standard drawings.
  - Leading & supervising the team of engineers, designers and cad operators.
  - Responsible for the full Civil/Structural/Architect scope as follow:
    - ❖ Brown field areas of SAMREF, Yanbu Refinery.
    - ❖ Green zone of Yanbu Distribution Hub, in addition to tie-in areas with MARAFIQ & 11-kilometer pipe corridor between SAMREF, Yanbu refinery.
    - ❖ India work share for Yanbu distribution area in green area which includes buildings, Mosque, tank farms, access roads & pipelines.
  - Reviewing 3d model prepared by smart plant 3D, as well as Attending 3D model reviews.
  - Structural analysis and design of steel pipe racks, process structures and operating platforms.
  - Preparing structural calculation reports.
  - Assign, supervise and monitor the resources throughout project cycle.
  - Conflict resolution and negotiation within project team with a win-win approach.
  - Attend project meetings with client.
  - Coordinate with client, project manager and other departments to resolve any design issues.
  - Review design packages and ensure quality of design deliverables.
  - Ensure compliance of the design with Saudi Aramco and industry Standards.
  - Preparing related scope of works.
  - Performing across the board review “ABR” meetings and inter discipline squad checks.
  - Preparing material take offs and material requisitions.
  - Vendor documents reviews and procurement support.
- Upgrade Sulfur Handling & Export Facility- Berri Gas Plant F-13, Al-Jubail, KSA (Detailed Project), Aramco:
  - Role: Civil/Structural Lead Engineer.
  - Coordinate with client, project manager and other discipline leads to resolve engineering issues as well as for TQ's.
  - Review of NMR's.

- Ensure compliance of the design with Aramco and industry Standards.
- Performing across the board review meetings and inter-discipline squad checks.
- Preparing material take offs and material requisitions.
- Preparing Bar bending schedules.
- Upgrade Abqaiq Field Water Injection System (FEED Project), Aramco:
  - Role: CSA Lead Engineer.
  - Preparing design package for equipment & pump foundations, steel pipe-rack, Substation Building & miscellaneous supports.
  - Preparing scope of work studies related to Geotechnical, Topographical survey, Underground Radar Mapping, Building Risk Assessment & Exploratory Excavation.
  - Executing estimates for Civil, Concrete & Steel works.
  - Coordination with Mumbai office (work share to execute Architect, plumbing & HVAC scope).
- RETAIL FUEL (Program), Aramco:
  - Role: Civil/Structural Lead.
  - New Program for some typical fuel station design to be implemented in the Kingdom of Saudi Arabia which involves some building design & steel canopies.
- BP KHAZZAN (Detailed Project), BP:
  - Role: Civil/Structural Lead.
  - Attending client meetings in Bahrain.
  - Preparing design package for MCC foundation, cross over structure, pump foundations & miscellaneous supports.
  - Executing estimates for Civil, Concrete & Steel works.
  - Providing steel connection design as well as full concrete design.
- Fadili (Detailed Project), Aramco:
  - Executing estimates for Civil, Concrete & Steel works.
  - Preparing list of deliverables, updating staffing plan and resources required to execute the job on the planned date.
  - Leading the Civil/Structural division in the project.
- Yansab (Feed Project), SABIC:
  - Role: CSA Lead Engineer.
  - Feeding the project with data/specifications from the client to the project standards as well as making design analysis for steel/concrete items.
  - Executing estimates for Civil, concrete & steel works.
  - Ensuring the safety, durability, maintainability & accessibility of the facilities in the plant.
- Petrokemya (Feed Project), SABIC:
  - Role: CSA Lead Engineer.
  - Responsible for ISBL & OSBL scope of work.
  - Feeding the project with data/specifications from the client to the project standards as well as making design analysis for steel/concrete items.
  - Also leading the Civil/Structural division in the project.

**Job title** : Sr. Civil / Structural Engineer

**Job Description** :

- Kick-off meetings.
- Site visits.
- Act as Supervisor.

- Attending meetings with client.
- Constructability Review.
- Risk Assessment.
- Value Engineering Review.
- Model Reviews.
- Risk Assessment.
- Building Risk Assessment.
- 3D model review.
- Manhour & manning.

**Dates** : From Aug. 2014 till Jan. 2015  
**Employer** : GS E&C, Cairo  
**Project** : ERC (EPC), Egyptian Refinery Project: worked with main contractor and was supervising the sub-contractors for the purpose of erecting steel structure as per schedule  
**Job title** : Steel Structure Supervisor  
**Job Description** :

- Minutes of meeting.
- Daily progress report.
- Weekly progress report.

**Dates** : From Oct. 2013 till Jun. 2014  
**Employer** : McDermott - formerly known as CB&I – Singapore  
**Project** : Longford Project (EPC), Exxon Mobil: Preparing the Steel and concrete design, Review of design packages and maintaining quality check, coordinating with disciplines for the purpose of complying client's recommendations  
**Job title** : Civil / Structural Engineer  
**Job Description** :

- Structural Steel Design.
- Concrete Design.
- Design Review.
- Weight reports.

**Dates** : From Mar. 2012 till Oct. 2013  
**Employer** : McDermott - formerly known as CB&I – Cairo  
**Project** : Reficar Project (EPC), Ecoptrol: Design Analysis of steel & concrete structures such as sheds, pipe racks, access platforms, miscellaneous supports, equipment supports, pump foundations & retaining walls  
**Job title** : Civil / Structural Engineer  
**Job Description** :

- Structural Steel Design analysis.
- Concrete Design analysis.
- Act as supervision.
- Weight reports.
- Coordinator.
- Calculation Reports.

**Dates** : From Jul. 2011 till Mar. 2012  
**Employer** : McDermott - formerly known as CB&I – London

- Project** : Yamal Project (Feed), Novatec/Total:
- Modelling and drafting of Steel modules for pipe racks, pump stations, storage buildings & equipment supports.
  - London office feed us with a lot of experience specially in weekly learn lectures and knowledge sharing which was in different topics in management, engineering & erection and other engineering topics.
- Job title** : Civil / Structural Engineer
- Job Description** :
- Structural Steel Design.
  - Concrete Design.
  - Weight reports.
- Dates** : From May 2010 till Jul. 2011
- Employer** : McDermott - formerly known as CB&I – Cairo
- Project** : Nagarjuna Project (EPC), Nagarjuna Oil Corporation:
- Design of steel structures and concrete items as pipe racks, access platforms & foundations.
  - Producing design drawings of the designed items using PDMS draft module.
- Job title** : Civil / Structural Engineer
- Job Description** :
- Structural Steel Design.
  - Concrete Design.
  - Weight reports.
- Dates** : From Mar. 2009 till May 2010
- Employer** : Thyssenkrupp – Cairo
- Projects** :
- Eagrium Project (Detailed), Mopco:
    - Design of steel pipe racks, cable trays, access platforms as well as preparing calculation sheets for the design analysis using spread sheets and manual calculations.
    - Coordinate with the subcontractor (Petrojet) & review the project progress.
  - Abu Qir Fertilizer Project (Revamp), AFC:
    - Modifications & strengthen of some steel structure members in the plant due to additional loads to the existing buildings.
  - PDH-PP Plant Project (Detailed), EPPC:
    - Design of steel pipe racks, access platforms and preparing calculation sheets for the design analysis.
- Job title** : Civil / Structural Engineer
- Job Description** :
- Structural Steel Design analysis.
  - Weight reports.
  - Detailing of Circular vessel platforms.
  - Calculation Reports.
- Dates** : From Jul. 2006 till Mar. 2009
- Employer** : Aresco – Cairo
- Projects** :
- Elshamal Cement Plant (EPC):
    - Preparing full package including calculation design analysis for the steel members & connections of Belt Conveyors, clinker storage and some other steel structure supporting silos.

- Design of Preheater which was 2500 Ton in weight supporting equipment's & Cyclones, studding different types of vertical bracing systems, representing cyclones as shell elements in the sap model to distribute the wind load accurately.
- Creating Spread sheets for the member design and producing detailed drawings as well as executing material take off.
- South Valley Cement Plant (EPC):
  - Design of steel structure members of built conveyors, catwalks, access platforms and producing design drawings with connections design.
  - Checking the fabrication drawings as per design.
- Sinai Gray line 2 Cement Plant (EPC):
  - Design of steel structure members and connections of built conveyors, access platforms & storage buildings as well as review of design drawings as per design.
  - Site visits has been made in Sinai Gray line 1 (existing plant) for the purpose of inspection and figuring out some vibration of platforms during access. Also it was made to figure out the connection & bolting quality.
- Altakamol Cement Plant (EPC):
  - Design of steel structure members and connections of built conveyors, access platforms & storage buildings as well as preparing shop drawings of some buildings in it and sending it to the fabrication yard.

**Job title** : Civil / Structural Engineer

**Job Description** :

- Structural Steel Design analysis.
- Calculation Reports.
- Design Drawings.
- Erection Drawings.
- Fabrication Drawings.
- Inspection Site Visits.
- Tekla Course.

**Field of experience** :

- Additionally, participated in internal induction for lifting & transportation as well as for offshore (CBI internal initiative programs).
- Worked in UK for almost 1 year as a Civil/Structural Engineer on a FEED project.
- Worked as a Lead Design in a Detailed/Feed projects, leading a group of designers & Engineers.
- Worked in Singapore as a Civil/Structural Engineer in a detailed project.
- Overseas Experience: UK, Egypt, Singapore & Gulf.
- Market Sectors: Refineries, Brownfield, Greenfield, Cement Plants.
- Key Qualifications: On-shore, Steel Structure design analysis, Concrete design analysis, Downstream & Pipeline.
- Code Familiarity: Euro code, Australian code, AISC89-ASD, ACI, Egyptian code, UBC, Aramco Standards, Sabic Standards.