

102162-CVL-146DGXn-E-1997
Senior Civil / Structural Engineer

Holds a B. Sc. in Civil & Construction Engineering and a Professional Certificate for Management. Has over 24 years hands-on experience in civil / structure engineering, including 19 years in Oil Gas and the rest on residential and high rise buildings. Experience in Onshore Oil & Gas including Civil/Structural design for conceptual, Basic/FEED and Detailed phases (Brown and Green Field Plant).

PERSONAL DATA

Nationality : Egyptian
Birth Date : 08/05/1974
Gender : Male
Marital Status : Married
Residence : Madinaty, New Cairo

EDUCATION

: B. Sc. in Civil & Construction Engineering, Higher Technological Institute in 10th of Ramadan City, Cairo, 1997
: Professional Certificate for Management from AUC - Egypt, 2013

LANGUAGES

Arabic : Native Language
English : Very Good
French : Fair
German : Basics

COMPUTER SKILLS

: Windows, MS Office, Internet
: SAP 2000 v11
: STAAD Pro v8i
: PDMS and Smart Plant Review
: MAT3D
: Navis Work
: RAM Connections
: HILTI PROFIS
: PC-Column
: MS Project
: Prokon
: RisaBase

- : Descon
- : BlueBeam for mark-up documents
- : Foundation 3D
- : AutoCAD
- : IDEA

TRAINING COURSES AND CERTIFICATIONS

- : Cost management for engineering by AUC in Cairo – Egypt (Sep. 2012).
- : Risk management by AUC in Cairo – Egypt (Jul. 2012).
- : Proj. Budgeting and financial control by AUC in Cairo – Egypt (Feb. 2012).
- : Introduction of project management by AUC in Cairo – Egypt (Feb. 2011).
- : Negotiation Skills in Cairo – by Quick Wins Center (Nov. 2012).
- : Lead Engineering development Program in Cairo from CB&I Global Corporation (Apr. 2012).
- : HSE training course in Cairo from CB&I Global Corporation (Nov. 2010).
- : Resource management by AUC in Cairo – Egypt (May 2010).
- : Bids and contracts by AUC in Cairo – Egypt (Sep. 2009).
- : Communication effective by Skills in Cairo – Egypt (Mar. 2009).
- : Civcon program by ABB Lummus in the Hague – Netherland (Oct. 2007).
- : Micro station program by Bentley Institute in the Hague – Netherland (Oct. 2007).
- : PDMS program in Cairo – Egypt (Sep. 2007).
- : Design of Pipe Racks by ENPI Petroleum Company in Cairo – Egypt (Aug. 2007).
- : Risk assessment analysis by AUC in Cairo – Egypt (Feb. 2006).
- : Local TOEFL Test from Social Public and Development Service Center, Ain Shams University (Feb. 2002).
- : Safety and Environmental Healthy by Environmental Health and Safety Institute in Cairo – Egypt (Jul. 2000).
- : German: Level A1.
- : Summer trainings:
 - Arab Contractors Company (in Cairo: Racing Bicycles Stadium), Duties: realized of pouring and placing Pre-Cast Pre-Stressed units of stairs, followed-up of establishing counter form walls, gained experience of making invoices and quantity survey sheets (from May till Aug. 1996).
 - Saudi Egyptian Company for Building (in Cairo: Pooling Center), Duties: assorted of storage raw materials, participated suggestions of workshop drawings or huge raft foundation, scoped on the site managements, recognized of crack symptoms; causes and its effective (from Jan. till Apr. 1995).
 - General Company for Building (in Cairo: Academic of Arts - Al-Haram), Duties: followed up of carpenters, masons (bricklayer), and blacksmiths for different items of the structure, situated points of coordinates for new buildings by using Teuodoliete, trained of using GPS (from Oct. till Dec. 1993).
 - Misr Concrete Development Company (in Cairo: Faculty of Science Annex, Ain Shams University), Duties: controlled on fabrication of

reinforced concrete, checked of masonry works according to the specifications; plaster works; sanitary works and electrical works (from Jan. till Apr. 1993).

- Egyptian Company for Air-conditioning System (Sass- Power), forced election from H.T.I. (in 10th of Ramadan City), Duties: followed up the assemblage steps of the air-conditioning system, Entered data process (from May till Aug. 1992).

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Jul. 2019 till now
Employer : Technip FMC ITALY
Project : MIDOR REFINERY EXPANSION - ALEXANDRIA, Egypt
Midor owns the refinery at Amreya Free Zone, near Alexandria, Egypt. It is one of the largest refineries in Egypt and is being expanded to increase its capacity from the existing 100,000 barrels per day (bpd) / five million tons per year to 160,000bpd. Expansion includes revamping of existing CDU / VDU unit, Delayed coker unit 11, interconnecting pipe racks unit 54/55, catalyst reformer units 02/03/04/05, kerosene hydrotreater unit 07, Hydrocracker unit 08, and utilities units 31/32/33/34/36/38/41/42/44. Project includes validation of existing units, precast concrete pipe racks, bridges, revamping pump/exchanger foundations, revamping of reactor/tower foundation, and structural steel. In addition, build new units 17/18/19/20/21 & 47, with new substations, new TCF. The total project cost is of US\$ 1.7Billions.
- Job title** : Senior Civil / Structural Engineer
- Dates** : From Sep. 2017 till Jul. 2019
Employer : WorleyParsons ABU DAHBI
Project : ASORC - NAPHTHA COMPLEX - ISBL - Egypt
ASORC operates and maintains Assiut Oil Refinery at Assiut Governorate, Manfalut, Gahdam, Egypt. ASORC NAPHTHA COMPLEX is a new Lump Sum EPC refinery of Straight run Naphtha and to provide high octane gasoline and different grades of gasoline to Upper Egypt. EPC Contractor is Enppi with amec foster wheeler Italy. Axens is Licensor unit for CCR (Reformer/Regeneration). Project total cost is of US\$ 200 Million. It has 2800mton steel structure, 6000m2 grating, 2600m2 corrugated sheets, 760mL ladders, 2500m2 raised pattern floor plates, 22000m3 RCconceret, 6500m3 lean concrete, 2640ton Reinforcement bars. Project total cost is of US\$ 380Millions.
- Job title** : PMC Architectural / Civil / Structural Engineer
- Dates** : From Jul. 2016 till Aug. 2017
Employer : OFFSHORE NORTH AFRICA DESIGN ENGINEERING COMPANY (ODE – Egypt)
Job title : Senior Civil Engineer
Job Description :
 - Consultant working on a number of multi-projects for petroleum companies in Egypt and UK. Average Project costs are US\$ 250Million.
 - Warehouse/Laboratory and New Office Buildings as part of the Burullus Technical Assurance contract for EPC work on the Rosetta Sharing

- Facilities Project.
- BAPETCO Plant Rehapitation, new Equipment supports and Vibration Study.
- Platforms, Supports, and Equipment Foundations for PERENCO Project in UK.
- WASCO, Compressor's warehouses with overhead cranes.

Dates : From Sep. 2014 till May 2016

Employer : FOSTER WHEELER (AMEC FOSTER WHEELER Recently)

Project : Mena Al Ahmadi Refinery - Clean Fuel Project (CFP) KNPC Project
 The project aims are upgrading / developing existing oil refineries and expanding Mina Al-Ahmad Refinery MAA and Mina Abdullah Refinery MAB. The project also contributes in linking the two refineries with each other in order to be an integrated refining complex which is flexible enough to help the company meet the variables at international and local markets. GS E&C, SK E&C and JGC Japan are joint-ventures. Project is Lump-sum turn-key contract with total cost of US\$12 billion with US\$ 4905 Million Packages with 50 Million working hours. It has 11000mton steel structure, 9000m2 grating, 150000m3 RCconceret, 30000m3 lean concrete, 18000tom Reinforcement bars.

Job title : PMC Civil / Structural Engineer

Job Description :

- Establish healthy and professional environmental relationship with Client and Contractors in order to success the project goals as per the best practice and engineering common sense within Project specs and contractual agreement.
- Review of client specifications and scope identification.
- Plot Plan input and review Technical document and Specification.
- Input and coordination for Deviation and Clarification items.
- Coordinating contractors enquires and clarifications.
- Familiar with Shell –DEP Specs and KNPC specifications.
- Align design basis with Contractors.
- Keep-up reviewing and commenting on Contractor's drawings and calculations and initiate letters for any major concerns to be applied across JVD Contractors.
- Evaluate the assessment of existing structures in brown field units and advice the required strengthen.
- Participating in Model Review and represent the PMC-Civil Department on (30%, 60% and 90%MR) in Korea, Japan and Kuwait and ensure the operability and maintainability around the equipment/valves and make sure the structure's stability and Integrity has been provided without compromising the constructability and safety egress.
- Participating on close out meetings for outstanding comments from 30%, 60% and 90% Model reviews.
- Good experience on underground services; OSBL, AOC, ODS, CBS and AMINE.
- Delegate by PMC-Lead on Engineering Meeting and highlight the issues that might be effect the project schedule and safety of design.
- Participating and represent PMC-Civil Department on workshop meetings for Buildings (CCR, Workshop complex and Substations & FAR's).
- Allocate my experience to resolve major concerns according to

design/project aspects.

- Reply on RFI's, COR's, Waivers WR's and contested letters.
- Experience to evaluate Compressors, Pumps, Equipment packages, Boilers, Heaters, Flare Stacks, Exchangers and Column vessels versus approved Vendor Data Sheets and pick up the major concerns that deviating than project specs.
- Delegate by PMC Team Leader to allocate the required resources for participating in Model Reviews and update MPP accordingly.
- Evaluate candidates' resumes to assign them on the project tasks.

Dates : From Jan. 2014 till Sep. 2014

Employer : [EGYPTROL](#)

Project : SOUTH HELWAN Power Plant in Egypt (Combined Steam units – 3x650MW)

Job title : Senior Civil / Structural Engineer

Job Description :

- Acting as Project and Proposal Lead for the Tender document of SOUTH HELWAN Power Plant in Egypt (Combined Steam units - Three x 650MW).
- Coordinating/interfacing with client, subcontractors and other disciplines to discuss and resolve all technical issues and liaise with third party geotechnical engineering consultancies to setup the economical solutions that in parallel to construction schedule.
- Value engineering of construction for Intake pump house structure, Discharge structure and Seal well structure to optimize the temporary works for establishing /executing the structures safely.
- Providing technically support for concrete and structural steel according to ACI and AISC codes and produce construction statements.
- Adapting Architectural, Civil & Steel Structures schedules according to client design criteria's and specifications.
- Conducting technical meeting with client and subcontractors.
- Managing stakeholders and entire teams.
- Conducting risk assessments for uncertainties and define the required contingencies.
- Undergoing quality control of Civil & Structural deliverables.
- Preparing construction statements.
- Preparing architectural schedule and civil and steel structural schedules according to client design criteria's and specifications.
- Break down BOQ's for the project including Civil Structural items according to client demands and project aspects.
- Manage the design of underground structures (Irrigation, septic and collection water), guard towers, boundary walls, and administration & switch gear buildings.

Dates : From Jul. 2007 till Oct. 2013

Employer : CB&I Lummus

Job titles : Lead/Area Lead and Senior CS Engineer, Deputy Civil Structural Manager for admin and proposals / Project tasks' related

Job Description :

- Sep. 2011 – Oct. 2013 on REFICAR EPC-Project remotely with Houston office - USA, Project Total Mhr's = 200,000hrs with Total Civil & Structural Mhr's = 55,000 hrs (Brown field project in Colombia), Project total cost is end of US\$ 8.1Billions. Refinería de Cartagena S.A.

(REFICAR) for the FEED work of a 165,000 barrel per day refinery expansion at the Cartagena Refinery in Cartagena, Colombia, and revamp of the existing 80,000 barrel per day refinery. Work was based on technology provided by CB&I, including: Hydrogen and sulphur units, Selective gasoline desulfurization, Delayed coking, Coking heaters.

- Apr. 2010 – Sept. 2011 on BANAGAS-Proposal and EPC Phase Project Total Mhr's = 98,000hrs (Compressor Area CS-9 and Utilities in Al-Khobar).
- Dec. 2010 – Mar. 2011 on SOTCO- Proposal and Engineering Phase Project Total Mhr's = 96,000hrs (TANK FARM -LPG & Gas Oil in Egypt).
- Sept. 2009 – Nov. 2010 on Nagarjouna Project in EPC phase located in India Project Total Mhr's = 120,000hrswith Total Civil & Structural Mhr's = 45,000 hrs (Area Lead for Pumps & Equipment Foundations, and Paving slabs).
- Feb. 2009 – Aug. 2009 on Abu Quir Electrical Upgrade Project in Alexandria (EPC) (Lump Sum contract) Project Total Mhr's = 6,000hrs with British Petroleum.
- Oct. 2008 – Jan. 2009 on AMIRAL-Project in Al-Sokhna (ITB) (Lump Sum contract), Project Total Mhr's = 10,000hrs. The project is Invitation To Bid that consist of three tanks for Gas-Oil with capacity 40,000m3 and one future extension with 20,000m3 and three tanks for LPG with capacities 50,000m3.
- Sept. 2007 – Sept. 2008 on ASSIGNMENT IN HOLLAND (THE HAGUE) for one year since 14-09-2007 to 14-09-2008:
 - NKNK – PROJECT acting as Lead Engineer on this project (CRACKING HEATERS E-BA-118 & E-BA-119) IN RUSSIA, Project Total Mhr's = 10,000hrs. New Battery limit Structure between the new Heaters E-BA-118 & E-BA-119.
 - SHELL-ECC in Singapore (STEEL PLATFORMS AND LADDERS) Checker Engineer.
 - CTL-POP in Belgium (SHELL GLOBAL SOLUTIONS INTERNATIONAL B.V.).
 - Nagarjouna in India (STEEL STRUCTURE) Phase of Preliminary Design Refinery Plant settled in Germany will be transferred to India.

Dates : From Jul. 2003 till Jun. 2007

Employer : THE PETROLEUM PROJECTS AND TECHNICAL CONSULTATIONS CO. (PETROJET)

Job Description :

- Structural Engineer in Steel Design Dept. (from Apr. 2004 till Jun. 2007):
 - Design and review Shop Drawings of connections in Pipe Racks for different Area of ALEX FERT Uhde's Project and MOPCO'S Project in Damietta – Egypt.
 - Designed Different type of Skids (LAUNCHERS & RECEIVERS).
 - Design and review Steel Skeleton of Tower Tanks for UGD project, Port Said - Egypt.
 - Setting structural system, Design and checking of various oil and gas plant structures including pipe racks, flare supports, steel structure sleepers, exchangers/vessels, substation, control room, administration buildings, equipment foundations, fences, gates, etc.
 - Design spreader beams and lifting Lugs for different load capacities by different spans.

- Design of miscellaneous pipe supports and their foundations.
- Designed Pumps plant frames (Shelters); such as; area 60x90 m in three spans equal 20m having tow overhead cranes of capacities equal 10 ton for each one.
- Execute design and shop drawings of steel platforms, ladders and hand rails for ELAB project, in Alexandria - Egypt.
- Review drawings and prepared material take-off sheets, and cutting steel sheets for steel members.
- Preparation of Design calculations and construction drawings for Steel and concrete pipe supports and sleepers.
- Preparation of Design calculations and construction drawings for Equipment foundations.
- Preparation of construction drawings for access platforms supported on vessels for ELAB Project, in Alexandria - Egypt.
- Prepare planning schedule for different activities in steel sector.
- Site Engineer (Liquefied Natural Gas Project (LNG) in Damietta – Egypt) (from Jul. 2003 till Apr. 2004):
 - Installation / erection of steel structures with their site modifications required and touch ups to revamp the manufactures' Defects.
 - Team Leader of three areas in parallel.
 - Ensure health and safety measures, awareness are adopted and followed by the team.
 - Supervising and ensuring the correct implementation of the works on site in accordance with the contract documents and according to technical specifications, design and quality of materials.
 - Quality control of the delivered material/tools and make sure compliance with project specs and technically acceptance.
 - Check manufacture drawing prior assembled and report of any missing items or defected.
 - Maintain liaison with engineering, estimating and planning to ensure work complies with drawings, specifications and schedule.
 - Interacting with local authorities (DLC/Segas) for statuary approval / certificates / permission as and when instructed.
 - Compliance of comments on defective or rejected works in the site and tries to solve as possible.
 - Prepare daily and weekly progress and safety reports.
 - Maintain a filling system for all site memos and instructions, measured quantities of work and materials on site, reports and other documents and correspondence pertaining to the construction activities.
 - Erection of open ditches around utilities areas.
 - Inspection Releases the above items to the client's representative within acceptable tolerances in verticality and horizontality alignments for steel members and slops for concrete ditches.
 - Assist in resolving construction problems (lack of productivity, work interfaces, etc.) Monitor craft compliance with project safety program requirements; document and ensure corrective measures are implemented.

Dates : From Feb. 2000 till Feb. 2003
Employer : ARAB BUREAU OR DESIGNING AND ENGINEERING CONSULTANT
Job title : Design Engineer

Job Description :

- Designed different structures; such as tanks with different capacity from 30 to 200 cubic meters.
- Designed residential buildings with resistance of seismic demands according to Egyptian code.
- Co-operated in restoration for some relics and some old buildings.
- Designed irregular rafts' types by using SAP2000.
- Designed flat slabs & hollow blocks slabs by using SAP2000.
- Designed cap piles.
- Designed Schaech Halls that having arched shell roof in area of 50x12 meters.
- Designed fences.
- Designed water treatment station.
- Designed educational buildings.
- Designed hospital in Damietta City and exchange building.
- Designed mosques and one tunnel.
- Designed ambulance and fire-station buildings and relic's pedestals.
- Designed pedestrian bridges.

Dates : From Sep. 1999 till Feb. 2000

Job title : Freelance Civil / Structural Engineer

Job Description : Carrying out Private works that included design and erected skeleton building in 6th October City which consisting of four stories having area 20x15m within financial cost 95,000 L.E. with an uplifting of 6.5%.

Dates : From Jun. 1998 till Aug. 1999

Employer : AKL OFFICE FOR DESIGNING AND ENGINEERING CONSULTANT

Job title : Design & Executive Engineer

Job Description :

- Designed and supervised of villas in El-Surook and El-Uboor cities – Egypt.
- Reviewed existing drawings of some old buildings in El-Maadi city that suffered by earthquake concussion.
- Designed and executed El-Bahgah tower in Nasr City – Cairo – Egypt which consists of ten stories within financial cost 1,400,000 L.E.

Field of experience :

- Professional Civil/Structural Engineer with over 24 years of experience mainly in the the Oil & Gas sector, carrying out PMC / Lead and Senior Civil and Structural duties for a number of Onshore Oil & Gas projects from the project conceptual phase to Basic/FEED, detail design and EPC (Brown and Green Fields Plant) phases. In addition to working on a number of residential and high rise buildings, in the infrastructure sector and having project management capabilities through experience as Project and Proposal Manager for a number of Oil & Gas and Power Plant projects. In addition to studies at AUC for project management specialization including, Cost, Risk and Resource Management, Bids and Contracts, Budgeting and Financial Control of Projects.
- Carrying out PMC Civil/Structural role for mega project (Brown & Green Fields) in Gulf Area and Endeavour to ensure that the Carrying out PMC Civil/Structural role for mega project (Brown & Green Fields) in Gulf Area and Endeavour to ensure that the Contractor is complying with its contractual obligations, as set-out in the Agreement.

- Establish healthy and professional environmental relationship with Client and Contractors in order to success the project goals within boundary of Project specs and contractual set-out agreement.
- Carrying out duties as Engineering Field support/coordinator, QC material inspection/approval, Construction inspection/releases, reviewing/generating construction method statements, trial mix design and steel/concrete material testing, Ferrosan, evaluation of concrete structural, splice couplers.
- Providing impartial and professional advises to the Client, on matters concerning Contractor's compliance with the Contract.
- Reviewing, Supervision, controlling, and co-ordination Contractor's specifications, documents/drawings development in compliance with project specifications and procedures prior proceeding the document/drawing for construction with respect of cost, schedule and required level of quality and safety.
- Placing input/Endorsement and coordinating TDM, TCM and Concession Requests of RFI's, Letters, Waivers, COR's.
- Increasing Client cash flow by getting involved in Contractor's Change Orders (COR), Concisions, Waivers and deviations requests by looking up into contract articles and Scope of Work (SOR) and eliminating insensible request items and directing the Contractors to abide the contract as per order of precedence.
- Representing of Civil Department on Plot Plan and Model reviews (30%, 60% & 90%) and ensuring the constructability, operability, maintainability and safety consideration and implementation have taken on the Plant.
- Participating in HAZID/SAFOP session considering threads, safeguards, and actions. Risk sessions to include potential risks, mitigation, qualitative and quantitative analysis and impact on project in terms of schedule and cost.
- Conducting technical, close out & readiness meetings with Contractors/Subcontractors and providing support to resolve any outstanding issues.
- Reviewing of Client specifications, Scope identification, Contractor's proposals for strengthening of structure and ensure its integrity, consult technical evaluation and provide feedback to line manager /Client.
- Ensuring integrity, stability, structure and connection design for building's using discussions on Contractor's premises, structural program outputs and in-house spread sheets.
- Custody responsibility of all buildings on plant such as CCR, Switch Gears, Administration building, RIE ..etc. and liaise with stakeholders, End users, Contractors and Ergonomic Consultant for ensuring customer satisfaction according to set-out agreement and Project specs.
- Placing inputs for other disciplines on Plot Plans, Baseline schedule, Electrical design basis, Piping design basis, Project design basis, Mechanical/Electrical data sheets and verification of scope of work for any modifications or additional packages.
- Reviewing Subcontracting strategy and Scope of Works with associated mandatory documents of Pre-qualification, TBE, Bank liquidity/security, Quality Management Plan, HSE Plan, Inspection & Test Plan, and Construction Execution Plan.
- Overseeing the performance monitoring and managing all activities that

carried out by Engineering Contractor, Geotechnical Consultants, and Subcontractors during whole phases of project life.

- Reporting to line manager on daily/weekly/monthly basis for Contractors and their subcontractor's progress, compliances or defects.
- Evaluating ITB's for main & miscellaneous structural steel and civil requirements.
- Preparing tender documents, including, BOQ's, statements for construction, define scope of works, risk assessments for uncertainties and pre-qualification assessment of vendors/suppliers.
- Executing calculation reports and design drawings for steel and concrete structures.
- Reviewing/Consulting Technical Civil & Structural documents and Specifications.
- Executing Conceptual, FEED and EPC projects including scope of work, execution plan, and manpower and man-hour assessments and scope split.
- Reviewing Contractor's Construction method statements, site entrance and equipment manoeuvres, transportation plan, lifting/installation plans, daily site report, weekly reports, monitoring site progress and coordinate among subcontractors and resolving technical site queries to avoid delaying site activities.
- Assessment of validation of existing steel/concrete structures, pumps' FDN, Precast Pipe Racks, and serviceability evaluation of each structure. Preparing outline of above Ground Tie-Ins in revamping area with method statements of executions.
- Responsible of reviewing all buildings works consisting from architectural layouts, plumbing, ergonomic studies, walk through model and civil drawings/specs and calculations.
- Quality Assurance of civil construction site materials of grouts, HDPE, Foundation Insulation Membrane, Foundation Bitumen coating, fine and coarse aggregate suitable for concrete mixture, Aggregate for soil replacement and structural backfilling, Reinforcement bars according to ASTM procedure, Anchor bolts, Steel structural painting/galvanizing and Bricks/Blocks.
- Quality inspection of trial concrete mixtures, laboratory equipment, Batch plant, overlap welding joints of HDPE and extrusion, compaction tests of under HDPE layers and soil replacement, cube crushing test, formwork shuttering, rebar placement, steel structural erection consequence and HSE implementation, Bolt tightening, structural steel verticality and alignment, Reinforcement cages, column splices, fireproofing, touch ups, structural and Equipment Foundations, Temporary Shoring and Bracing with connections of sufficient strength to bear imposed loads, construction joints and cap piles.
- Quality assurance and inspection of finishing materials and procedures, UG systems units positioning and connections, UG leakage inspections, buildings' roof drainage, paving, cable trenches, duct banks, asphalt roads, plastering, plumbing, tailing, painting and ditches.
- Skills:
 - Site experience and progress measurement of the predecessor and successor activities flag out the potential issues that may impact on the project schedule with their mitigations.
 - Managing Contractors and their Subcontractors for main activities that shall be carried out to avoid delays in site execution versus

actual equipment delivery and erection time and looking ahead schedule of progressing site activities.

- Coordinate with Contractors for releasing MIR (Material Inspection Requests) for vendor vessel's templates/anchors/inserted plates for Heaters/Exchangers/Table top/Reactors/Columns and ensure verticality/survey coordinates/projection/alignment prior releasing for pouring.
- Design experience and shop drawing of Precast Foundations, pipe rack elements, bridges and miscellaneous UG / Sleepers' elements.
- Following up resolving any technical confusion with Contractor and their subsides in terms of RFT cutting sheets; required on-site steel/concrete modifications; discrepancies between steel and concrete drawings.
- Carried out Site inspection of TCF (Temporary Client Office), excavation foundation bottom, insulation foundation materials, concrete mixture materials, trial of concrete mix, structural and soil replacement materials, and compaction tests.
- Managing and assigned candidates (14 people) to participate on the project and updating MPP accordingly versus approved project schedule and coaching / mentoring them to provide high quality engineering design and deliverables compliance with company quality system procedure for gaining client satisfactions, then appraise civil candidates.
- Coaching junior engineers technically to build preliminaries modelling with assumed loads to figure out the approximately material quantity and profile sizes.
- Remote technical office support to evaluate the concrete mixtures, laboratory tests and supporting the site for any construction queries.
- Construction background on civil works and Erection and modifications of steel structures that may require on site.
- Preparing Man-Hour Estimates per deliverables and Man-Power Planning (MPP).
- Subcontracting SOW / SOR will break down MTO for different CS areas including geotechnical, Civil/ Steel material, and UG works.
- Discipline interfaces /coordination's skills with multi-international cultures.
- Demonstrating / Executing and supervising calculation reports for pipe racks, MPS's & TS's, pipe supports, Steel structure for filter press & shelters, Concrete table top structure, piles and cap piles foundations, all electrical buildings (RIE, Enclosures, VFD, Substations, and Transformer's rooms), Flare stack and Flare line supports, Horizontal and Vertical Equipment Foundations, Pump & Compressor's Foundations.
- Leadership skills, Ability to make clear decisions whilst working under pressure, Problem solver, Good communication skills, Proactive, Flexible to adapt, Keen on project success, Ability to perform work independently.
- Project controls tools used in the execution of projects (schedules, planning, man-hour expenditure, resources).
- Evaluating candidates' resumes and providing resource allocation plan in order to assign them on the project tasks and updating

- ManPower Plan (MPP) accordingly.
- Undergoing proposals works for Civil Structural and Architectural inputs versus norms with corresponding ManPower Planning and assigned Staff according to project schedules and demands.
- Negotiating concerns/comments with Client and Contractors in order to close the cycle of the reviewing and ensure the practical incorporation and implementation.
- Awareness of technological structures for designing and construction of licensors units and others such as Delayed Coker (DCU) unit including derrick structure, Reforming and Regeneration units (CCR), Catalyst Tower, Direct Fired Refinery Process Heater, Stripper Re-boiler Heater, Reactor feed Heater, and Air fin Coolers supported on pipe rack.
- Knowledge:
 - Shell DEP Specs and KNPC specifications.
 - Quality Assurance of project deliverables.
 - Civil, structural, architectural design and engineering, as applicable in the process and power industries.
 - Precast Pipe Racks design, shop drawings and construction.
 - HSE, maintenance and operation requirements for refineries and industrial projects.
 - Geotechnical engineering principles.
 - Piling Foundations, soil improvement and site preparation.
 - Seismic design techniques and analysis of foundations for rotating/reciprocating machinery.
 - UBC, IBC, AISC, ACI, ASCE-7, BS, IS, AS, API, PIP and International standards applicable to the petrochemical.
 - Lifting analysis, road and sea transporting.
 - Underground piping systems.
 - Project management including risk assessments, budgeting & financial, planning & scheduling, resource management, and monitoring & controlling.