

Holds B. Sc. in Mechanical Engineering, MBA (Master in Business Administration) and DBA (Doctor in Business Administration). Has 22 over years of experience in power generation, industrial projects, oil and gas.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 22/05/1972
Gender : Male
Residence : Cairo

EDUCATION

- : B. Sc. in Mechanical Engineering, Helwan University, 1997
- : MBA (Master in Business Administration), International Business School of Scandinavia (Egypt Branch), 2017
- : DBA (Doctor in Business Administration), International Business School of Scandinavia (Egypt Branch), 2021

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

- : Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

- : Holding a consultant degree in piping design from Egyptian Engineers Syndicate under consultant number 03/1539.
- : Program of hydraulic Instructions (pipenet for water system).
- : Training Course in Basic and Advanced AutoCAD at Training Cad Center.
- : Training Course in Valves selection.
- : Training Course in PDMS11.6.
- : Training Course Caesar II.
- : Training Course ASME B-31.1.
- : Training Course smart plant SP3 (model review).
- : PMP Course 40 hours.
- : AutoCAD

- : 3DM for piping modeling working with micro station.
- : IPE for piping isometric of 3DM modeling.
- : MS Office
- : Internet applications

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Jan. 2021 till now
- Employer** : Al-Rehab for general contracting and supplies - Egypt
- Job title** : Project Manager
- Job Description** :
- Identify one-time projects milestone and time-frame.
 - Monitor project progress vs. project milestones schedules.
 - Review customers' feedback and provide resolution.
 - Provide customers with data deliveries upon agreed schedule.
 - Preparing necessary materials for customers meetings.
 - Communicate with different departments to get answers with effective cross-communication on the Team leader levels regarding project Progress.
 - Lead customers' scheduled meetings.
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- Dates** : From Aug. 2020 till Dec. 2020
- Employer** : Self-Employed
- Project(s)** : Engineering and Industrial Project
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- Dates** : From Sep. 2019 till May 2020
- Employer** : Jacobs Zate, Alkhobar - KSA
- Project(s)** :
- SSDA (Supercritical Solvent De-Asphalting Riyadh Refinery) proposal: The primary objective of this project is to replace the existing suboptimal Asphalt Facilities with a single highly efficient Supercritical Solvent De-asphalting (SSDA) Unit at Riyadh Refinery. The 100 m3/h (15 MBD) SSDA sized to process a mixture of residue and slop wax from the Vacuum Distillation Column.
 - Loubref (Yanbu Refinery) Detail Design: The purpose of this project is to install new 8" disulfide cement lined carbon steel line as a replacement of existing disulfide stainless steel line, the new line will routed parallel to the existing line during shutdown.
- Job title** : Principal Piping Engineer
- Job Description** :
- Provide oversight of all Engineering Discipline by leading the engineering team through project Modeling design stage.
 - Coordinate between all project disciplines in order to success the new initiation for SP3D automation extraction deliverables (as project coordinator).
 - Coordinate and follow up with PTS (project technology system) team in order to develop the setup for all disciplines.
 - Review the scope of work and understand the Owner requirement.
 - Coordinate with other disciplines (squad check the scope) in order to agree and clarify the scope of work.
 - Preparing Man Hours Budget for piping discipline.

- Attend Owner tendering meeting, Send scope clarification.
- Update the budget as per final clarification reply by Owner.
- Update the budget as per the addendum of scope by owner or because of clarification if any.

Dates	:	From Jul. 2017 till Jul. 2019
Employer	:	Saudi Services for Electro Mechanic Works (SSEM), Alkhobar - KSA
Project(s)	:	<ul style="list-style-type: none"> • Water handling debottlenecking - South GHAWAR area, Saudi Arabia – LSTK (Lump Sum Turnkey) (GS + Designer WOOD Alhejailan): South GHAWAR project is to upgrade the water handling facilities in the South Ghawar area at Haradh (Gas Oil Separator Plants) GOSPs 1 & 2 and Hawiyah GOSPs 2 & 4, to accommodate a higher quantity of formation water in support of SAUDI ARAMCO's goal of maintaining crude oil production and maximum sustained capacity (MSC) targets. The scope of work under this part includes Design, Engineering, Procurement, Fabrication, Installation, Construction, Testing, Pre-Commissioning and Start-up (EPC) until the successful commissioning, completion, final acceptance of all the described equipment with necessary interconnecting pipes, valves, instruments and electrical components. • Yanbu distribution hub, YANBU, Saudi Arabia – LSTK (Lump Sum Turnkey) (GS + Designer Jacobs Zate): YDH is a Greenfield refined storage facility at Yanbu area that collects products (Gasoline 91, Gasoline 95, Diesel, and Kerosene) from the local YANBU, YASREF, SAMREF refineries, and delivers to pipelines extending to Jeddah and the Central Region. The project is lump sum (LSTK) including the detailed engineering, procurement, subcontracting, interfaces coordination, pre-fabrication, construction, erection, inspection, testing, pre-commissioning, and commissioning support and hand over the project to Saudi Aramco. Project assigned with ARAMCO Standard.
Job title	:	Engineer Manager
Job Description	:	<ul style="list-style-type: none"> • Forming the engineering disciplines team with ensuring the competency of multi discipline engineering team with different culture. • Liaison between the project manager and the technical disciplines involved in a project. • Coordinate with other functional groups and stakeholders on engineering matters. • Ensure the project team is working within the provisions and guidelines of the project. • Lead the technical team through engineering stage ensuring appropriate engineering package. • Lead the technical team through construction stage in order to solve site problems as per standard (ARAMCo. Standard, and client satisfaction). • Lead Jacobs Zate as well as contractor team during the detail design and construction stages (30%, 60%, 90%, IFC, and As Built). • Attend weekly progress meeting for work progress follow-up with the Owner (Saudi ARAMCO-Project Management Technical team). • Lead the technical team for the feed verification to close the Client comment related to the detail design. • Follow the procurement Material Requisitions as well as to attend the supplier's questioner meeting, and offer technical evaluation up to delivery.

- Supporting the project control team for controlling project schedule.
- Review technical reports including site visits reports by consultant.
- Effective daily management of the 'Design Team' (Internal and External) to ensure the provision of required level of services in a pro-active and professional manner to enable other departments to fulfill their role.
- Lead, motivate, communicate designers to achieve best performance to meet the client needs.
- Coordinate project information to ensure company goals met with cost-effective.
- Lead the team to distribute the project drawings at site as per schedule basis & as appropriate.
- Comply with responsibilities as defined in the Group's Health, Safety & Environment Policy and ensure compliance with the same throughout the team.
- At all times, comply with company policies, procedures, and instructions.
- Implement new ideas and methods and continue to seek ways of both improving contribution to the company goals.
- Lead the team to supporting the site in order to solving the construction problems as per the standard (get agreement with ARAMCO technical team).
- Participate HAZOP meetings Projects.

Dates : From Jan. 2016 till Jul. 2017

Employer : Orascom Construction, Cairo - Egypt

Project : The project is consortium agreement between Orascom construction and Siemens (2 Billion €). Siemens scope is engineering power system regarding the main equipment's which delivered by them with supervision for erection. Orascom scope is engineering for balance of plant and erection all the plant. The Project consisting of four Modules, each Module comprises two (2) GTGs, tow (2) HRSGs and one (1) STG, in addition to the balance of plant systems. Power generated at manufacturer's standard voltage in the CTGs and the STG.

Job title : Technical Office Manager

Job Description : Lead the technical office team for the following:

- Engineering document review for constructability and commented back to engineering if needed.
- Prepare shop drawings each discipline.
- Provide the required documents and material for piping test package.
- Control the material technically to Disclosure of the early shortage if any.
- Control the material as technically (avoiding mistakes for material handling).
- Solve site problems.
- Review subcontractor offers.
- Provide as built drawing (red marking).
- Attend project progress meetings.
- Control correspondences for project stakeholders.
- Control engineering documents distribution for construction.
- Recruit and select department staff.
- Orient and train employees.
- Evaluate staff performance.

- Dates** : From Jan. 2009 till Dec. 2015
- Employer** : Power Generation and Engineering Services Company (PGESCO), Cairo - Egypt
- Project(s)** :
- Giza North 2250MW Combined Cycle Power Projects CCGT, Giza, Egypt: Giza North power plant is a Combined Cycle Power Plant with total capacity of 2250MW, located at Giza Governorate Egypt. The Project consisting of three Modules (750MW each), each Module comprises three (3) GTGs, three (3) HRSGs and one (1) STG, in addition to the balance of plant systems. Power is generated at manufacturer's standard voltage in the CTGs and the STG. As the Owner's authorized representative, PGESCO prepared all tenders. The documents included commercial and legal terms and followed the financing institutes and Owner procurement guidelines. Tenders also contained technical specifications and detailed designs. In addition, PGESCO was responsible for project management, construction management, start-up, and commissioning management including initial operation support.
 - ABU QIR (2x650MW) 1300MW Combined Cycle Power Projects CCGT, Egypt: Abu Qir power plant is a thermal Power Plant with total capacity of 1300MW, located at Alexandria - Egypt. The Project consisting of two identical steam turbines with normal capacity (650MW each). As the Owner has authorized representative, PGESCO prepared all tenders. The documents included commercial and legal terms and followed the financing institutes and Owner procurement guidelines. Tenders also contained technical specifications and detailed designs. In addition, PGESCO was responsible for project management, construction management, start-up, and commissioning management including initial operation support.
 - WASSIT POWER PLANT LOCATED AROUND 120KM, SOUTH-EAST OF BAGHDAD – IRAQ: WASSIT POWER PLANT (FIRST PHASE 4x330MW & SECOND PHASE 2x610MW). As the Owner's authorized representative, PGESCO prepared responsible for performing engineering, procurement, construction and startup works for Steam turbine and boiler facilities as well as balance of plant auxiliary equipment's. The Scope is to assign the company as Owner consultant (project Owner - Republic of Iraq Ministry of Electricity), consultant for Chinese Turnkey Package contractor - assign with Chinese code for plant design.
- Job title** : Engineering Group Supervisor
- Job Description** :
- Owner Site Representative (consultant) for all matters related to construction quality assurance of mechanical works and supervise the contractor mechanical activities / operations to ensure implementation of contract requirements.
 - Participate in a variety of meetings and task force groups to integrate activities, communicate issues, obtain approval, resolve problems, and maintain specified level of knowledge.
 - Review non-conformance reports (NCR).
 - Review and approve MRR (Material Receipt Report).
 - Monitor installation of mechanical equipment.
 - Receive/action Request for Information (RFI) that apply to mechanical works. RFI's requiring design feedback will directed to the Designer for response. Review the responses for adequacy.

- Review contractors claims related to mechanical works.
- Construction supervision for critical Piping (main steam and feed water) systems pipes and supports.
- Review the turn over document package for all systems.
- Review, approve, and process all mechanical technical submittals.

Dates : From Jan. 2008 till Dec. 2008

Employer : SETE Energy, Jeddah - KSA

Project : SEA WATER REVERSE OSMOSIS (SWRO) POTABLE WATER TREATMENT PLANT (52,000 m³/day CAPACITY): Raw seawater drawn through two open pipes with 1100 mm diameter to the intake pipe that is placed at a depth of 7.75 meters below the low tide level. Seawater will chlorinate at the intake of the intake pipe and will flow by gravity approximately 1600 meters to the suction head of the seawater pump through two pipes of 1100 mm diameter. Seawater pumps with a capacity of 2330 m³ / hour. At 6.0 bar.

Job title : Piping Engineer

Job Description :

- Review IFC (issued for construction) drawings and communicates with the design discipline engineers for clarification (drawing, P&ID and isometric...) for seawater piping, desalination plant piping and layout design documents.
- Providing the pipe support location for all the entire plant piping as per the pipe size and material within the standard.
- Coordination with civil design discipline to issue the pipe supports drawing and follows with the fabrication workshop and installation for piping and support at site with construction engineers.
- Follow up and expedite the Stainless Steel piping contractor at factory to check the piping manufacturing for desalination filters RO units.
- Follow up with the construction manager during the construction stage for equipment and piping installation.
- Report to the engineering manager.

Dates : From Jan. 2006 till Dec. 2007

Employer : AL-HEJAILAN CONSULTANTS, Al-Khobar - KSA

Project(s) :

- ARAMCo Projects:
 - Flow lines from Uthmaniyah Wells to ARAMCO GOSP
 - Install Loading / Unloading Facility for VGO (vacuum gas oil) Product at Pump Station #1 & #4
 - Boiler Condensate and Feed Water Piping Systems at Abqaiq power Plants
 - Upgrade Underground Utility Piping, ARAMCO Communities
- Non-ARAMCo Projects:
 - New Chlorination Plants for SWCC, Al Khafji Plant
 - Design/Engineering of Nitrogen & Gaseous pipeline (GAN) at Jubal Industrial City for Sabic and Tasnee

Job title : Piping Engineer

Job Description :

- Prepare piping design activities and deliverables (plan, underground piping, isometric, support ...), equipment layouts related to piping rout, material take off and support.
- Review supplier offers technically.

- Coordinate with other discipline whether engineers or site up to work completion.

Dates : From Jan. 1999 till Dec. 2005

Employer : Petrojet, Cairo - Egypt

Project(s) :

- 30" PIPELINE – EL SHARARA MELITAH (LYBYA): Detailed design of the firefighting system for the intermediate pump station. Design the pipeline, launcher, and receiver stations.
- Fire Fighting System for: General Petroleum Company - oil storage tanks (Ras Gharib) North Cairo power station fuel tanks area / Summed floating roof tanks: Dumyat LNG plant, Suez LPG plant, The International Pipe Industry Company factory.
- Design of Fueling stations for Sharm El-Sheikh Airport: Piping from trucks to storage tanks and from tanks to multi filters, bulk meter for planes fueling trucks, test rig, calibration tank, and piping network for planes direct fueling.

Job title : Piping Engineer

Job Description :

- Review project philosophy.
- Prepare firefighting philosophy for oil & gas project.
- Prepare the piping design (Piping plan, underground piping, piping isometric, support location, equipment location, piping hydraulic, and assist in stress analysis, ...).
- Prepare equipment and piping study regarding the piping connection and routing (for tank farms – pump house).
- Prepare material take off, assist the procurement, and review supplier documents and contract instructions
- Coordinate with other discipline engineers, site due to work completion.

Field of experience : Professional experience includes home office with extended to site assignments in Egypt and Saudi Arabia for pipelines, pipelines, and management includes the following:

- Working for FEED (Front End Engineering Design).
- Detail design within EPC / EPCM / LSTK.
- Piping / pipeline Design for OIL & GAS and power plants.
- Piping systems network and plant layout engineering supervision
- Project engineering with highly organizational between the project disciplines (Lead the project multi discipline team different culture through engineering and construction stage up to the project hand over).
- Compliance with international engineering code & standards (NFPA, AWWA, ASME and API...).