

Holds a B. Sc. in Mechanical Power Engineering and has more than 7 years experience in various disciplines such as power generation, petrochemicals, fertilizers, oil & gas, and other industrial projects. Skilled in Mechanical construction (static & rotating) and commissioning activities. Strong background in Tendering, Cost Estimation and proposals.

PERSONAL DATA

Nationality : Egyptian
Gender : Male
Marital Status : Married
Residence : Currently Dubai, UAE

EDUCATION

: B. Sc. in Mechanical Power Engineering, Mansoura University, 2014

LANGUAGES

Arabic : Native Language
English : Fluent
Spanish : Basics

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet
: Photoshop

TRAINING COURSES AND CERTIFICATIONS

: PMP (Project Management Professional) certificate from PMI (Project Management Institute) (Dec. 2020).
: MS Project
: Primavera P6
: MS Office (Word, Excel, Power Point)
: ASME VIII Div.1 – Rules for construction of Pressure Vessels.
: Boiler Types and Opportunities for Energy Efficiency.
: Construction Change Orders.
: Learning Construction Estimating.
: Construction Estimating Bid Recap.
: Construction Estimating Takeoff.
: Construction Estimating Extension.

- : Business Development: Strategic Planning.
- : Strategic Planning: Case Studies.
- : Negotiation Skills.
- : Lean Six Sigma Foundations.
- : Construction Contracts and Law (CB514).
- : Trainings at:
 - Talkha Power Plant (2011).
 - Talkha Fertilizer Co. (2012).
 - Petrojet (2012).
 - Misr Petroleum (2013).
 - ASME Egypt Renewable Energy training (Solar Cells) (2012).
 - Petrojet (2013).

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Apr. 2020 till now
- Employer** : Shanghai Electric Group Company (SEGC)
- Project** : MOHAMMED BIN RASHID AL MAKTOUM SOLAR PARK - PHASE 4 – NE1 - 700MW CSP + 250MW PV HYBRID PROJECT - DUBAI - UAE
 This is the largest single-site Concentrated Solar Panel (CSP) plant in the world with a capacity of 700MW. The project consists of 100MW Central Tower at a height of 260m and 600MW PT CSP plant.
- Job title** : Mechanical Engineer - EPC
- Job Description** :
- Following mechanical construction and commissioning activities in CT (Central Tower) Power block such as:
 - Installation of static and rotating parts in MSR (Molten Salt Receiver), HFFC (Humidity Fin Fan Cooler), Water Tanks area (DM, OS, and service water tank), ACC (Air Cooler Condenser), STB (Steam Turbine Building), Molten Salt Tanks (Hot, and Cold), SGS (Steam Generation System), and Auxilary Boiler.
 - Witnessing chemical cleaning (acid & alkali), Water circulation test, Salt transfer to hot and cold tanks, Air bellowing, Oil flushing for turbine oil systems, ACC cleaning, and start- up.
 - Participate actively in the site safety.
 - Observe and ensure construction practices as required for compliance of construction operations.
 - Resolving work problems and recommending measures to improve productivity and product quality.
 - Ensuring standards for safe working conditions are observed.
 - Welding joints of various materials like CS, SS, Alloy, etc. inspection.
 - Preparation and review of NCR piping and equipment.
 - Walk down & Punch List preparation of hydrostatic, pneumatic, and service test.
 - Witnessing Inspection Hydro tests & Pneumatic tests & service test and ensuring compliance with the approved test packages.
 - TOP punch list closing with client.
 - Prepare and maintain the update of periodic reports requested by the management.
 - Coordinate between subcontractors, and solve issues.
 - Solve design problems by raising DCR (Design Change Request) and

- give a solution proposal to design team.
- Lead subcontractors' meetings, and attend weekly meetings with client.

Dates : From May 2019 till Mar. 2020

Employer : Hashemiah International Contracting Company (HICC)

Project : CAIRO WEST SUPERCRITICAL THERMAL POWER PLANT (1x650MW) – GIZA – EGYPT

Job title : Senior Project Engineer

Job Description :

- Prepare manpower plan, Equipment plan, check the installed parts as a material type and dimensions to make sure that it matches the drawings for most of the Construction of Package “CP-118” non critical piping system and pumps (mazzout pumps, solar pumps, feed water and circulating pumps) and other equipment (re-boiler heaters, foam tanks and gas filter separator skid).
- Fabrication and installation of Construction Package “CP-118” sunshades (Light and medium steel) in different areas like solar, mazzout, foam, N2, re-boiler and fuel area.
- Then the construction team leader for the Auxiliary boiler (98 ton steam/HR) which prepare manpower plan, Equipment plan, method statements and check lifting plans as well as reviewing Isometric drawing, Piping and Instrument diagram (P&ID) & Layout drawings.
- Installation for all parts like convection tubes, furnace water wall, D-wall, convection wall, front water wall, and rear water wall.
- Installation and adjust leveling and axis for upper and lower drums. Installation of Dearator and Economizers main steel frame. installation of Dearator Tank, Dearator and and two Economizer boxes.
- Installation of Stack, Two Burners, boiler main steel and platform steel.
- Installation of all mechanical equipment in the boiler like Periodic below down tank, Continuous below down tank, Feed water pumps, Booster pumps, Dosing skid, Sample taken skid and Two air supply fans.
- Installation of all supply air Ducts and exhaust Ducts. Fabrication and Installation of Boiler Super heater.
- Fabrication and Installation of all Piping systems such as Feed water, Below down, Main steam, Dearator heater, LP water, Dearator drain or overflow, Dearator exhaust, Boiler exhaust, Sampling, Dosing, Demi water, Solar oil, Instrument air, Service air and N2 pipe.
- Fabrication and Installation for all Sealing device and all Insulation material such as Refractory concrete, Aluminum silicate fiber, Plastic refractory and Fire bricks.
- Preparing test packages and performing both Boiler Hydro tests and Smoke test.

Dates : From Jul. 2018 till Apr. 2019

Employer : Hashemiah International Contracting Company (HICC)

Project : SGGE “SAINT GOBAIN GLASS EGYPT” NEW MIRROR LINE – AL AIN EL-SOKHNA – EGYPT

Job title : Mechanical Project Engineer

Job Description :

- This project was about 15,000 Dia-Inch Piping of different material, 85 Ton of Hot-Dip Galvanized Ducts and 2000 Ton Equipment.
- Reviewing Isometric drawing, Piping and Instrument diagram (P&ID) & Layout drawings to prepare manpower, equipment and consumables

- plan.
- Supply, Fabrication and Installation of all piping systems at site (Water, Demi- water, Natural Gas, Fresh air and Under ground) and the Tie-in Points.
- Supply, Fabrication and Installation of all Ducting system (Hot-Dip Galvanized).
- Installation of all Equipment in the mirror production line such as the Fans for Gas Room. Pumps, Fans and other accessories for Paint Cabin. Five Robots on the production line cooperation with the vendor chines engineers.
- Installation of steel, belt conveyors and all Accessories of production line itself.

Dates : From Sep. 2017 till Jun. 2018
Employer : OPC Co.
Project : CONNECT THE POLYPROPYLENE GAS LINE OF ORIENTAL PETROCHEMICAL COMPANY (OPC) TO EGYPT HYDROCARBON CORPORATION (EHC) LOADING ARM - AL AIN SOKHNA – EGYPT
Job title : Mechanical Site Engineer
Job Description :

- This project was about 20,000 Dia-Inch Piping of material CS (A333) (onshore and offshore).
- Reviewing Isometric drawing, Piping and Instrument diagram (P&ID) & Layout drawings.
- Handle all Manpower and Equipment to fabricate and install the piping system.
- Handle RT visits and all preparation for hydro-test. Painting and wrapping for all U/G and A/G Piping.

Dates : From Oct. 2014 till Aug. 2017
Employer : Hashemiah International Contracting Company (HICC)
Job title : Project Engineer (PMO)
Job Description :

- Knowledge of estimating types, methodologies and techniques, also producing the best cost estimates allowed from the existing information.
- Understanding project specifications, Drawings, Contracts.
- Developing Project schedules (WBS, Activity List, Productivity Rate, Duration Estimation, Relationship and scheduling, Resources defining).
- Negotiating with vendors and contractors to secure the best prices.
- Observing existing processes, analyzing staff performance, and addressing deficiencies accordingly.
- Monitoring and tracking project progress, and writing up reports (Progress, Status Report, Forecasting, Variance).
- Knowledge of project follow-up and project updates.
- Knowledge of project controlling and prepare the revised schedule, recovery schedule and corrective actions.
- Knowledge of Contract types as well as understanding and meeting all contract requirements.
- Knowledge of delay analysis and claims.
- Knowledge of close-out process and prepare historical data and lessons learned.
- Communicating with managers, Engineers, and the rest of the team.

- Analyzing technical drawings and providing material and cost estimates.
- Ensuring all projects are completed on time and within budgets.
- During this period in project management, I have advanced knowledge in developing scopes, familiarity with tender documents, gaining tendering, procurement, project control and management skills. Moreover, while this position afforded me a well-rounded skill-set, including excellent relationship building, business development and time management skills, I excel at:
 - Tendering and Quantity surveying.
 - Communicating with clients, suppliers and subcontractors.
 - Projects planning and estimating.

Skills:

- Project Management.
- Project Planning.
- Project Estimation.
- CSP knowledge.