

Holds a B. Sc. in Mechanical Power Engineering and has about 17 years' experience working in construction and piping.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 10/06/1984
Gender : Male
Marital Status : Married
Residence : Currently KSA

EDUCATION

: B. Sc. in Mechanical Power Engineering, Zagazig University, 2007

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

: Windows, MS Office, Internet
: AutoCAD 2D
: ERP System

TRAINING COURSES AND CERTIFICATIONS

: Construction Cost Management.
: Six Sigma yellow belt.
: Negotiation Associate.
: Basics of pricing.
: Risk Management.
: Microsoft 365 fundamentals.
: Performing & Area Authority.
: Drinking water quality testing.
: Water treatment.
: Heat circuits system.
: Learn English: Beginning Grammar Specialization (University of California, Irvine).
: Project Management introduction (Egyptian Engineering Syndicate).

- : OSHA 10 hrs (Egyptian Engineering Syndicate).
- : Lifting Operations Awareness Training Course & Rigger Assessment, KPC & El Mansoury (2013).
- : Lifting authority Training level 1, KPC & El Mansoury (2013).
- : Non-destructive testing (NDT): VT, MT & UT (Egyptian Welding Academy) (2010).
- : CNC Machines milling machine and lath, Military factory 100 (2007).
- : AutoCAD 2D, Zagazig (2007).

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Sep. 2024 till now

Employer : Al Rafia Contracting Company (RCC)

Job title : Mechanical Engineer

Job Description :

- Designing and developing existing lift stations, discharge lines and downhill pipelines in the Qatif Province.
- Led the design and implementation of Lift stations, force main pipelines, downhill pipelines, ensuring compliance with industry standards and regulations, resulting in improved safety measures on-site.
- Implemented thorough technical assessments of existing infrastructure, identifying areas for improvement and implementing cost-effective solutions to optimize performance.
- Developed with the client, Saudi National Water Company, to gather feedback and incorporate their requirements into the design process, ensuring project alignment with their expectations.

Dates : From Feb. 2024 till Aug. 2024

Employer : GIZA ARABIA, KSA

Job title : Site Manager

Job Description :

- Supply, installation and replacement for electromagnetic flow meters for water Wells at Middle and Eastern clusters.
- Conducted thorough site surveys to assess project requirements and ensure accurate replacement of flow meters.
- Issued existing drawings and proposed new drawings to support the smooth implementation of the project.
- Created detailed work plans outlining tasks, timelines, and resource allocation for efficient project execution. Generated Material Take-Offs (MTO) to facilitate procurement processes and maintain project timelines.
- Collaborated with vendors and suppliers to procure necessary materials and equipment, according to timely delivery and project continuity.

Dates : From Oct. 2023 till Feb. 2024

Employer : TMA FOR INDUSTRIAL SUPPLIES AND CRANES, Egypt

Projects : Suez Steel, Elsewedy Electric, Alex Panel

Job title : Site Installation Manager

Job Description :

- Overhead, Monorail and Gantry Cranes.
- Proposed efficient project management strategies for crane installations,

reducing installation time through targeted site visits and client's collaboration.

- Liaised regular site audits; monitored material usage and discussed with clients to achieve 97% adherence to industry codes and timely project completion.
- Investigated training sessions for installation crews on safety protocols.
- Cooperated with procurement teams to optimize material sourcing.
- Maintained strong relationships with key stakeholders, resulting in client satisfaction for installation services.
- Led cross-functional teams to troubleshoot complex installation issues, to minimize project delays and maximize productivity.

Dates : From Apr. 2017 till Jun. 2023

Employer : Elsewedy Electric PSP

Projects : • JULIUS NYERERE 2115MW Hydropower Plant at Tanzania, Employer Operation Village electromechanical works (Aug. 2022 – Jun. 2023) (Lead Mechanical Construction Engineer, acting as Construction Manager):

- Lead projects and clients in the planning, design and construction of Firefighting system, Swimming pool and Electrical duct banks including civil, mechanical and infrastructure work as well as creating construction documents, specifications and handling construction oversight administration.
- Steered the successful roll-out of project operations entailing setting timelines, analyzing requirements, prioritizing task and identifying dependencies.
- Provided leadership and facilitates technical and management collaboration amongst project team members, stakeholders and client.

• Arab Madabegh (Assiut) Sewage Treatment Plant Upgrade 70,000 to 105,000 M³/Day (Aug. 2021 – Jul. 2022) (Lead Mechanical Construction Engineer, acting as Construction Manager):

- Produced the construction of new structures, including Quiet chamber, Screens, grit removal tanks, sedimentation tanks, disk filters, and interconnecting piping network, resulting in a successful upgrade of the ASSUIT Sewage Treatment Plant from 70 to 105 MLD.
- Reviewed mechanical design, documents, drawings, material specifications, P&IDs, Flow Diagrams, method of Statements, equipment data sheets, and vendor specifications by quality standards and client requirements.
- Simplified construction activities by leading planning, scheduling, resource allocation, and documentation efforts, as per the project milestones were met within the specified timeline and budget.
- Facilitated effective communication and collaboration between cross-functional teams, contractors, and stakeholders to drive project progress and any construction-related issues promptly.
- Demonstrated expertise in project management, mechanical engineering, and wastewater treatment systems throughout the successful rehabilitation of old structures and implementation of new facilities at the ASSIUT Water and Waste Water Company, resulting in a \$ 600 million project completion.

- Nuweibaa sea water reverse osmosis desalination plant 15000 m³/day (Mar. 2020 – Jul. 2021) (Senior Mechanical Construction Engineer, acting as Construction Manager):
 - Spearheaded construction supervision for a €11 million Nuweibaa RO desalination plant project in Egypt, overseeing dewatering, marine works, process buildings, and interconnecting piping network installations.
 - Ensured project accuracy and completeness by keeping detailed records and emphasizing safe construction practices, resulting in the successful completion of the construction phase within set time constraints.
 - Arranged a team aligned with project deadlines and quality standards, focusing on on-site safety and risk management to guarantee a high-quality construction process.
 - Acted as the main point of contact for the Elsewedy Electric Power Systems Projects & GIS Aqua, liaising with stakeholders to handle construction-related issues promptly and effectively.
 - Launched the construction of Potable water systems, irrigation, plumbing, firefighting systems, and HVAC installations, highlighting strong project management skills and attention to detail.
 - Upgraded cost-effective strategies to optimize project budget utilization while maintaining high-quality construction standards and meeting client expectations.
- BENI SUEF Combined Cycle Power Plant 4800MW partner with Siemens (Apr. 2017 – Feb. 2020) (Senior Mechanical Construction Engineer):
 - Led the construction of steam turbine cooling system components, such as pumps and GRP piping up to Ø2600 mm.
 - Installed the Heat Exchanger Piping system up to Ø 700 mm, adjusting the efficiency and functionality of the mechanical works in the Water Treatment area.
 - Initiated the installation of a Potable Water Skid Cooling Tower, HVAC systems, and firefighting equipment, enhancing operational safety and compliance with regulations.
 - Planned rigorous quality analysis of project activities, focusing on alignment with drawings, specifications, and industry standards to drive successful project outcomes.
 - Joint with stakeholders including clients, consultants, and subcontractors to obtain technical approvals, solve issues, and maintain project progress in alignment with preset quality standards and HSE regulations.

Dates : From Apr. 2012 till Mar. 2017
Employer : Khalda Petroluem Company (KPC) / APACHE
Project : Abu El Gharadeek Field - Western Desert, Egypt
 (Production fields, Oil Process, Gas Plant and Turbines)
Job title : WD Field Mechanical Construction Manager
Job Description :

- Directed new projects, repairs, and shutdowns for Process Piping, production lines, and systems, ensuring flawless resource coordination and HSE compliance, which resulted in a 91% improvement in quality control metrics.
- Orchestrated the establishment of the contract shutdown activities for

Process Piping and production lines, achieving an impeccable coordination and strict adherence to HSE standards.

- Led the successful installation of 900 km of carbon steel pipelines ranging from 2' to 24" and up to 80 schedules, enhancing operational efficiency and rigorous quality control.
- Mastered rigorous quality control measures, including Non-Destructive Tests and leak testing, to ensure the integrity and safety of installations, earning commendations for project execution excellence.

Dates : From Oct. 2010 till Mar. 2012
Employer : Development International Group (D.I.G)
Project : New Fiberglass Firefighting System at Ras Shukair Gas Plant
Job title : Site Manager
Job Description :

- Oversaw the successful completion of an EGP 9 million New Fiberglass Firefighting System project at Ras Shukair Gas Plant, managing the construction of a 4.5 km underground GREF.F network PN 20, including installation of Key Lock Pipes and Taper Fittings in sizes ranging from 2" to 24".
- Led a multidisciplinary team in executing civil works such as excavation, bedding, pipes anchoring, backfilling, and valve chambers, to comply with project specifications and timelines.
- Handled project communication, including conducting meetings, preparing monthly reports, and corresponding with clients and contractors to match project requirements and resolve issues promptly.
- Drove effective project planning and scheduling strategies, overseeing drawings, material takeoff, and quantities to match optimal resource allocation and adherence to project timelines.
- Gained exceptional leadership skills by mentoring and guiding team members, resulting in a 20% improvement in team performance and productivity.
- Identified and mitigated potential hazards at construction sites through regular safety audits; established best practices leading to an improved safety protocol followed by 100% of team members throughout all phases of projects.

Dates : From Nov. 2009 till Sep. 2010
Employer : EGY Steel Co.
Projects :

- National Bank of Egypt (Nasr City)
- East Cairo Electricity Plant
- Ayad Faltas Galvanizing Plant
- El Arish Cement Plant

Job title : Steel Fabrication Team Leader
Job Description :

- Finalized the successful completion of steel fabrication projects by reviewing workshop drawings.
- Led a high-performing team in the fabrication and welding processes, resulting in the timely completion and handover of projects to consultants at multiple sites, including National Bank of Egypt, Nasr City, Ayad Faltas Galvanizing Plant, El Arish Cement Plant, and East Cairo Electricity Plant.
- Started efficient production processes by preparing material take-off

(MTO) lists, launching prefabrication procedures, and closely monitoring the visual inspection stages to guarantee quality workmanship.

- Achieved cost savings and minimized project delays by proactively identifying and resolving issues during the fabrication and prefabrication stages, which enhanced project efficiency and client satisfaction.

- Dates** : From Mar. 2008 till Sep. 2009
- Employer** : Arab Steel Fab. Co. (ASF)
- Projects** :
- El Sewedy Galvanizing Factory 2
 - El Sewedy Cement Company
 - Arabian Cement Company
- Job title** : H.D.G & Steel Fabrication Production Engineer
- Job Description** :
- Mastered construction of ASF Co. Hot Dip Galvanizing plant no.2, overseeing the installation of tanks, kettle, and water systems; Operated GRP lamination of insulation, assessed with the Chinese team to streamline operations.
 - Generated hot dip galvanizing and steel fabrication processes, increasing productivity; enhancing production efficiency and reducing waste.
- Field of experience** :
- Fully qualified Lead Mechanical Engineer with about 17 years of professional experience in Egypt and Tanzania with renowned companies such as GUPCO, Khalda and Elsewedy Electric. He has a successful record of accomplishment delivering high profile, large-scale projects. Extensive experience with construction management of a wide variety of innovative, sustainable, reliable and economical in oil and gas, power plant, water desalination, water treatment projects, including management, cost estimation, supervision, installation, inspection, P&IDs, Flow Diagram, method of Statement, materials, testing, pre-commissioning, coordination with other concerned disciplines and knowledgeable with international standards AWS, ASME, API, ANSI, ASTM and ISO.
 - Involved in all aspects of construction as steel structure, welding SMAW, GTAW, SAW, GMAW, erection, infrastructure, metallic and nonmetallic piping, Pipelines, Static and Rotating equipment, penstocks, screens, skids, overhead crane, tanks, HVAC, firefighting, plumbing works, lifting and scaffolding.
 - Core Competencies:
 - Site & Construction Management.
 - Project Delivery Excellence.
 - Quality Assurance & Compliances.
 - Resource Management & Optimization.
 - Change Management.
 - Inventory & Stock Management.
 - Pre-commissioning.
 - Progress Monitoring & Tracking.
 - Subcontractor / Vendor Evaluation & Management.
 - Risk Assessment & Mitigation.
 - Stockholders Relationship Management.
 - HSE Management.
 - Team Management & Leadership.