

**104821-MEC-1458CKQV-E-2007**  
**Lead Mechanical Construction Engineer**  
**(acting as Construction Manager)**

Holds a B. Sc. in Mechanical Power Engineering and has over 15 years' experience working in construction and piping.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 10/06/1984  
Gender : Male  
Marital Status : Married  
Residence : Shorouk City, Cairo

## 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 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 M<sup>3</sup>/Day (Aug. 2021 – Jul. 2022) (Lead Mechanical Construction Engineer, acting as Construction Manager):
    - The project entails construction of new structures, Quiet chamber, Screens, grit removal tanks, sedimentation tanks, disk filters, interconnecting piping network and re-habitation of old structures.
    - Reviewed mechanical design, documents, drawings, material, P&IDs, Flow Diagram, method of Statement, equipment data sheets and vendor specification.
    - Led and Controlled construction activities involving planning, scheduling, resources management, reporting and documentation.
  - Nuweibaa sea water reverse osmosis desalination plant 15000 m<sup>3</sup>/day (Mar. 2020 – Jul. 2021) (Senior Mechanical Construction Engineer, acting as Construction Manager):
    - The project entails Dewatering and marine works, Process Buildings including Intake, multimedia, cartridge filters, Backwash, waste water, RO, calcite Contactor, Product, Generator and power house, Interconnecting piping network, GLS Storage tanks and non-process buildings, Potable water system, irrigation, plumbing, firefighting system, and HVAC.
    - Acted as the prime point of contract for the construction supervision aspects of the project.

- Ensured accuracy and completeness of records.
- Placed an emphasis on safe construction practices and on maintaining a high quality of construction.
- Issued construction information as required.
- Championed site safety and followed up identified risks.
- Managed project, own work, team to meet time constraints.
- BENI SUEF Combined Cycle Power Plant 4800MW partner with Siemens (Apr. 2017 – Feb. 2020) (Senior Mechanical Construction Engineer):
  - The scope entails construction of steam turbine cooling system including pumps, GRP Piping up to Ø2600 mm, piping accessories and infrastructure works, Heat exchanger Piping system up to Ø 700 mm, Water treatment area mechanical works, Potable water skid Cooling tower, HVAC, firefighting, Outage activities and Punch list closing.
  - Controlled construction activities involving planning, scheduling, resources management, reporting and documentation, verified project progress, outstanding issues and ensuring the quality and timeliness of deliverables.
  - Analyzed project activities with a key emphasis on quality, drawings, specifications, standards and codes.
  - Liaised with clients, consultants, contractors, subcontractors and external agencies for determining technical specs, approvals and obtaining statutory clearances.
  - Coordinated with concerned disciplines to execute work as per schedule and preset quality standards.
  - Managed the erection sequence and ensured that the work quality is up to the standard and following 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** :
 

- The projects entail Installation of 900 km water, oil and gas carbon steel pipelines and piping from 2” to 24” and up to XXS schedule, static equipment such as Oil skimmer, separator and Free Water Knock Out Drum.
- Managed the new projects, repair and shutdown aspects related to the Process Piping, production lines, shipping lines, manifolds, water injection system, gas lift system, Static equipment Including drawing, material, coordination, planning, scheduling, resources, HSE, quality control, communication, meetings, codes, project documentation, variation orders, claims, change management, budget, procurement, team management, technical work flow including material, fabrication, welding, Non-Destructive Tests, installation, protection painting, Blowing, cleaning, flushing, pigging, Hydrotest, Leak test, lifting, tie in, testing and commissioning, hand over and final acceptance certificate.

**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** :
- The project entails construction of 4.5 km underground GRE F.F network PN 20, Key Lock Pipes, Taper Fittings, Size Range 2" - 24" including:
    - Civil works including the excavation, bedding, pipes anchoring, backfilling, thrust blocks, valve chambers and road crossing.
    - Piping network including the fabrication, welding, installation, pipeline Hydrotest accessories installation, Tie in joints with the existing loops, the leak test for all loops.
  - Managed the project aspects such as communication, meetings, monthly report, corresponding with clients and contractors, planning, scheduling, drawings, material takeoff and quantities, resources, codes, project documentation, HSE, variation orders, claims, change management, budget, procurement, team management, testing and commissioning, client requirement, regulations and records, FAT and SAT test, hand over certificates, insurance and guarantee.
- 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** :
- Reviewed the workshop drawings, prepared MTO, managed work team, follow up production process including materials, pre-fabrication, fabrication, welding, visualizing until hand over to consultant.
- 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** :
- Supervised the Construction of ASF Co. H.D.G plant no. 2 for small workpieces including floor GRP Lamination insulation and installation of tanks (degreasing, pickle, rinse, flux), Kettle, chemicals and water make up systems, steel structure and overhead crane the work is carried out by self-execution team with collaboration with Chinese team (vendor & supplier).
  - Followed up hot dip galvanizing & steel fabrication production process and productivity.
  - Managed team, followed up production process including materials, fabrication, welding, visualizing until handover to quality.
- Field of experience** :
- Fully qualified Lead Mechanical Engineer with over 15 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.