

**107212-MEC-4CKUV-E-1997**  
**Mechanical & Piping Construction Team Leader**

Holds a B. Sc. in Mechanical Engineering and has about 21 years of experience in EPC project management, onshore & offshore Piping Engineering, Construction and commissioning. Experience in Oil refineries & gas stations (Greenfield & Brownfield).

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : Aug. 1974  
Gender : Male  
Marital Status : Married

## EDUCATION

: B. Sc. in Mechanical Engineering, Shoubra Faculty of Engineering, Cairo, 1997

## LANGUAGES

Arabic : Native Language  
English : Very Good

## COMPUTER SKILLS

: Windows, MS Office, Internet

## TRAINING COURSES AND CERTIFICATIONS

: Technical English Writing Training Program - WP/AUC.  
: Worley Parsons Engineering Procedures Workshop.  
: Stress analysis and CAESAR II software - AUC.  
: ASME Sec VIII Division 1 Rules of Construction for Pressure Vessels (AUC).  
: Preparation Course for PMP.  
: Subsea Awareness Course - SUT - Egypt.  
: Heat exchanger design and maintenance.  
: STOP card training.  
: Working at Height Training.  
: Ergonomic training.  
: API 570 Certified Piping Inspector.

## CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From Sep. 2017 till now  
**Project** : Egyptian Refinery Company (ERC)  
**Job title** : PMC Piping Construction Lead  
**Job Description** :

- Ensure that projects are delivered in full compliance with permits, licenses, authorizations, and stated requirements (SOR).
- Ensure that a control of work process (CoW) provides a work environment that will support tasks completion safely and according to planned schedule.
- Prepare, supervise and approve the development of PEP [from construction point of view], and its implementation plus ensuring Lessons Learned are properly documented throughout the life of the project including Project Close-out.
- Work closely with the project team (quality control, safety, cost & schedule, procurement, other discipline superintendents, and office engineers) to ensure that work meets the project expectations, contractual requirements, budget, and schedule.
- Review and Monitor the Work performed by EPC Contractor and monitor quality and compliance with Contract and Project Schedule.
- Maintain regular communications with EPC contractor to ensure work complies with drawings, specifications, quality standards, and schedule.
- Monitor and report to Project Manager / Sr Construction Manager of project details, including progress, risks and opportunities in a timely manner.
- Define clear roles & responsibilities and deliverable requirements in terms of both scope and schedule to all the team members.
- Monitor construction productivity and schedule performance and investigate reasons for less than satisfactory performance.
- Participate in weekly progress meetings with subcontractor team & Company project team.
- Support procurement and sub-contracting activities as applicable including selection and prequalification of vendors and sub-contractors.

**Dates** : From Jul. 2010 till Aug. 2017  
**Employer** : Pharonic Petroleum Company (PhPC)  
**Project** : BP Egypt JV Company  
Onshore Gas Processing plant, subsea export pipelines 30" & 24", flow lines, subsea deep water X-tree and unmanned offshore platform  
**Job Description** :

- PMC Atoll Construction Manager (Sep. 2016 – Aug. 2017):
  - Contributed in developing project SOW (Statement of work) & ensured including all project requirements & scope.
  - Lead project contract negotiations with EPC contractor and monitor clarifications & replies.
  - Lead kick off meeting with EPC contractor and work to achieve project target safely on time.
  - Lead the review of Engineering MDR (Master Deliverable List) to ensure all deliverables are captured and considered.
  - Reviewed and challenged project level 3 schedule, ensured that

- activities were sequenced and correctly linked, in line with contractual milestone date and agreed completion plan.
- Ensured engineering deliverables were in line with planned dates and met successive and dependent engineering activities, supporting procurement progress and construction activities.
  - Ensured procurement and material delivery progress is meeting approved project schedule, weekly review engineering, procurement and expediting meeting were conducted.
  - Ensured applicable lessons learned were implemented, and working on avoiding undesirable risks.
  - Exercised cost & schedule control to ensure project was completed within approved budget, identified gaps and potential delays and took remedial actions in proper timing.
  - Participated in constructability review, design review, model review and HAZOP studies, maintained coordination between site and design office team, subcontractors, vendors and company.
  - Ensure that the highest standards of HSE and Company satisfaction are maintained.
  - Ensured that the overall coordination is in place among EPC contractor & Company operation team.
  - Evaluate project team members & keep continues improvement training of project team members as per project needs.
  - Regularly inspect the work procedures and advised necessary rectifications (if any) to ensure full compliance with project specifications & company engineering technical practices (ETP).
- PMC Piping & Mech. Engineering Lead (Jul. 2010 – Sep. 2016):
    - Oversee engineering performed by EPC contractors for all piping engineering deliverables to ensure compliance with the project specifications.
    - Responsible for the quality, technical assurance and timely delivery of the Piping and Layout deliverables during the select / Define / Execute stages for Process systems, Utility and Piping Tie-ins).
    - Provide site support and technical assistance for the entire project life cycle, of construction, hook-up and commissioning of the green & brown field facilities, both in the offshore and onshore work environments.
    - Work with other discipline leads to perform detailed design of any modifications to existing processes and systems as required to have enhanced & integrated design.
    - Interface with suppliers and/or vendors to participate in factory acceptance tests as required.
    - Work to ensure that the Company Management of Change (MOC) and other risk management policies are maintained.
    - Participate in design reviews, safety reviews, technical impact and/or review meetings with construction, development, production and other groups.
    - Maintain a complete record of technical items and correspondence to support design decisions and equipment selection and documenting all key engineering calculations.
    - Assist construction & commissioning team in all technical,

materials, and quality issues during project phases up to handover & start-up.

- Perform Fitness-for-Service (FFS) evaluations and recommend suitable repair.

**Dates** : From 2008 till 2010  
**Employer** : Worley Parsons Egypt  
**Projects** :

- Karama Power Plant (Qaroun Petroleum Company)
- Akik Gas Plant (Khalda Petroleum Company)
- West Dikirns Gas Lift (Melrose Resources Egypt)

**Job title** : Senior Piping Engineer  
**Job Description** :

- Reviewed the Piping Design documents (Isometrics, GA's, Tie-ins list, supports types, orientation drawings, Materials take off, Plot Plans, orientation drawings, Tie-in Index & tie in packages).
- Provided piping input to Process team on P&ID's, Line List, critical line list, tie-in list and demolish plan.
- Prepared piping isometric drawings & welding maps and for construction.
- Contributed in construction package delivery required for construction contractors bidding process.
- Prepared equipment orientation drawings for all types of petrochemical equipment, considering equipment spacing, accessibility, operation and maintenance requirements.
- Reviewed all vendor documents to assure the compliance with the design and technical requirements.
- Prioritized scope activities to most efficiently meet project schedule requirements.
- Ensured implementation and adherence to project specifications and procedures.
- Continuously updated project drawings and documents to final As-built status.
- Reviewed 3D model to ensure proper, accessibility, Maintainability and constructability.

**Dates** : From 2007 till 2008  
**Employer** : PETROFAC E&C  
**Project** : Salam Gas Plant SGT 3 & 4 Project  
**Job title** : Piping Supervisor  
**Job Description** :

- Ensured that contractors comply with all aspects of the Worksite HSE Plan and policy; site regulations, permit to work and Client/company requirements.
- Ensured that contracted works meets all practical, commercial, requirements of productivity, quality and contract target completions.
- Ensured proper application of (MOC) management of change process.
- Reviewed piping isometrics welding maps against job card and material availability.
- Maintained daily supervisory checks and records ensuring that contractor's management and supervisors are providing safe working conditions and applying permit procedures.
- Ensured that contractors are working in the required work areas,

locations and elevations and that work sequence and interfaces with other contractors are both coordinated.

- Ensured that all construction materials, embedded items, special fixtures are approved for use and that they are stored, protected and available to workforce locations as required.
- Ensured that a risk assessment has been undertaken and agreed prior to commencement of any activity.

**Dates** : From 2005 till 2006  
**Employer** : Kharafi National, Kuwait  
**Project** : Upgrading and Relocation of U/G Process Piping  
**Job title** : Site Manager  
**Job Description** :

- Worked as site in charge responsible for Booster gas Station (BS150) upgrading project.
- Attended regular meetings with Client (KOC) operation staff to discuss any expected problems may affect the progress or the site safety and how to avoid it.
- Supervised and monitored the site mechanical civil and E&I works, manpower force through the site engineers and supervisors.
- Monitor overall productivity and efficiency of the project, forecast trends and anticipate potential problems and difficulties meeting milestones or budget within the Piping discipline coordinate with project team including all disciplines to resolve problems.
- Conduct routine meetings with project team to monitor the projects' performance and assess their performance.
- Ensure effective communication and co-ordination with other peers, all disciplines, and project management team.

**Dates** : From 2001 till 2005  
**Employer** : Egyptian Town Gas Company  
**Project** : Domestic Gas distribution (Cairo)  
**Job title** : Pipeline Section Head (HDPE & CS)  
**Job Description** :

- Prepare / review pipeline construction method statement.
- Carry out pipelines activities, starting from ROW, Pipes stringing, welding and joint coating.
- Supervise Installation of pipeline and prepare lifting plans (when required).
- Conduct "holiday" test on pipeline coating.
- Supervise civil crews for proper backfilling and compaction of pipeline trench.
- Proper coordination with civil authorities regarding road cutting & crossing (when required).
- Control piping material handling & ensure complying of project specification.
- Support Hydro-test crew during pipeline water filling, testing and flushing.
- Prepare for Pig launcher & Pig receiver installation and proper connection of insulating joint.

- Dates** : From 1998 till 2001
- Employer** : Petrojet
- Job Description** :
- Project: Rashid Gas Station (Piping Engineer (Under Ground Piping, CS, GRE)):
    - Participate & prepare method statement and UG piping construction procedures.
    - Review impact of clashes on all underground piping systems, buried electrical works, and foundation works and make recommendations for remedial work.
    - Plan and execute UG piping Fabrication & installation to ensure maximum productivity while keeping an optimum level of quality.
    - Review and update underground piping drawings (Red Marking) based on latest site condition.
    - Ensure HSE rules & standards are fully complied specially trench shoring, confined space precautions and lifting process.
    - Confirm proper insulation of interface joint between pipes & concerted manhole (leakage free).
    - Check & confirm UG packages construction completed, and submit for final inspection.
    - Participate in weekly and monthly progress meetings with all U/G contractor.
    - Support Hydro-testing team during hydro-testing & flushing and water drying.
  - Project: Abo-Madi East Development Project (Piping Engineer (Hot Tapping)):
    - Responsible for Hot tapping including work preparation i.e. job risk analysis, hazards identification, location selection and marking.
    - Review Tie-in package documents and raise construction comments and/or site technical query when required.
    - Thickness detection, split tee fit-up & welding.
    - Erection of full bore ball valve & hydro-testing of the tie-in joint - Hot tapping operation.
    - Erection of new piping and Nitrogen purging.
    - Handover Hot tapping documents to client.
  - Project: Obaiyed Gas Station (Site Piping Engineer):
    - Worked as Site Piping Engineer responsible for process train including 40,000 welding inches.
    - Played an active role in ensuring that all project HSE goals are achieved and where possible exceeded.
    - Processed safe completion of designated sub systems and systems in line with the project schedule and milestones in a consistent and timely manner.
    - Assisted in maintenance of the project budget through diligence and utilization of efficient and working practices.
    - Provided input into constructability review of the detail design.
    - Identification and sourcing of pipe work tools / spares / consumables.
    - Production of pipe work packs in line with project procedures, schedule and milestones.

- Field of experience :**
- Oil & Gas Piping Construction & Engineering Lead, worked for international operational companies i.e. BP-JV, Egyptian Refining Company (ERC) & international EPC contractors i.e. Worley Parsons, Petrofac, Kharafi National.
  - Proven leadership in project management of EPC projects.
  - Highly skilled in Interface coordination between operation, maintenance & project execution team.
  - Managed & achieved many engineering, construction and TAR projects safely on time within project budget.