

Holds B. Sc. and M. Sc. in Mechanical Power Engineering and has over 21 years of experience in Oil & Gas & Power Plants & different process-based industries (mining & petrochemicals), handling mainly engineering technology, design, piping construction and commissioning.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 17/05/1975
Gender : Male
Marital Status : Married
Residence : Qalubia

EDUCATION

: B. Sc. in Mechanical Power Engineering, Helwan University
: M. Sc. in Mechanical Power Engineering, Helwan University

LANGUAGES

Arabic : Native Language
English : Fluent
French : Fair

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet
: AutoCAD
: AutoCAD PLANT 3D
: PDMS software (all disciplines)
: EES Engineering Equation Solver
: Caepipe piping stress analysis

TRAINING COURSES AND CERTIFICATIONS

: Primavera project planning 6 advanced course.
: HVAC at Arabic Office for engineering consultants (2006).
: HYDRAULIC SYSTEMS at Kahromica (2008).
: Check inspection of welding, Egyptian Welding Academy Mostorod (2009).
: Non-destructive test (magnetic test, visual test).
: Contract management.
: Fire-fighting sprinkler system.

- : AutoCAD
- : AutoCAD PLANT 3D
- : PDMS 12.6 piping design, Equipment, Isodraft, Draft, CATS & SPECS, SPOOLER, ROUTER, HVAC, CABLE TRAY, STRUCTURE, SPOOLER, ELECTRICAL COMPONENT and ADMIN.
- : Caepipe piping stress analysis
- : Job Safety and Hazard analysis.
- : HITRA Awareness Certificate.
- : Introduction to Control of Work Certificate.
- : Work Safe HITRA Certificate.
- : PTW (Permit to Work).
- : Basic H2S Training.
- : ESSW – Enhanced Site Supervision Workshop.
- : Supervisor Safety Training & SLS for Supervisor.
- : Safety Training Observation Program.
- : First Aid.
- : Gas Tester Permit.
- : HSE Tools and Skills.
- : Welding Inspection Five Methods.
- : Maintenance of diesel engines & hydraulic systems.
- : Elementary Course for Piping System entails the following:
 - Hardy Cross technique to analyze the pipeline systems.
 - The phenomenon of water hammer.
 - Pipe drafting and design.
 - ASME B31-1-2004 Power piping.
 - P&ID "Piping & Instrument Drawing" & Design Criteria.
 - GA Drawing & SITE ARRANGEMENT CRITERIA.
 - Pipe Hangers & Supports & Caepipe piping stress analysis.
 - PDMS piping & Equipment design, Draft and Isodraft.

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Jan. 2020 till now
- Employer** : Technip FMC
- Project** : MIDOR Refinery Expansion Project (Oil Refinery located in Mostorod, Cairo, Egypt)
- Job title** : Piping Supervisor
- Job Description** : Construction Supervisor:
- Supervising piping construction and installation in Project brown field and red field environment "above and underground".
 - Coordinate with civil team for proper work and put protocol for work sequence between piping construction and QC teams with civil construction and QC teams.
 - Checking of proper material specification prior to installation of pipes.
 - Checking if installation is correct and as per drawing.
 - Reviewing construction drawing for additional or balance necessary in the line such as support.

- Re-routing of line due to site condition and confirm with engineering group for necessary solution and coordinate with subcontractor of such changes.
- Supervision of GRE adhesive bonded joint piping installation, Supervision of fabrication of pipe spools at GRE/GRP fabrication area.
- Scheduling and planning of daily activity as per material availability and site condition (access of work at site), for proper distribution of manpower.
- Monitor material requisition as per fabrication and installation.
- Planning of spooling for easy access and jointing at site.
- Check site queries submitted by sub-contractor and review if the said query is necessary as per site condition and sign queries if acceptable by us (main contractor).
- Checking material availability in warehouse, Input in Excel file "available, issued and not available material" for reference of issuance & traceability of material issued to sub-contractor.
- Review drawings using Navisworks 3D model and PDF files.
- Issue daily manpower status report and accomplishment report in the network for management's reference.
- Supervise material status according to isometric material list.
- Monitor all Piping construction activities with emphasis on quality, schedule and HSE.
- Participate in inspection activities according to Inspection and Test plan (ITP) as required.
- Follow up and ensure that all working environment requirements are fulfilled.
- Supervise local inspectors in site team.
- Monitor the receipt and storage of materials within the discipline.
- Participate in audits/verifications as required.
- Monitor work progress against plans and schedules and highlight areas of concern and possible corrective actions.
- Interconnecting piping in association with Owner's operating personnel.
- Supervise flange management activities.

Dates	:	From May 2017 till Jan. 2020
Employer	:	GS Engineering & Construction
Project	:	ERC Refinery Project (Oil Refinery located in Mostorod, Cairo, Egypt)
Job title	:	Senior Piping Engineer
Job Description	:	<ul style="list-style-type: none"> • Supervision of piping installation in Project, Line checking of piping and install all balance components of the pipe line as per Isometric drawing and P&ID. • Checking of proper material specification prior to installation of pipes. • Checking if installation is correct and as per drawing. • Reviewing construction drawing for additional or balance necessary in the line such as support, re-routing of line due to site condition and confirm with engineering group for necessary solution and coordinate with subcontractor of such changes. • Supervision of GRE adhesive bonded joint piping installation, Supervision of fabrication of pipe spools at GRE/GRP fabrication area. • Scheduling and planning of daily activity as per material availability and site condition (access of work at site), for proper distribution of

manpower.

- Monitor material requisition as per fabrication and installation.
- Planning of spooling for easy access of jointing at site.
- Check site queries submitted by sub-contractor and review if the said query is necessary as per site condition and sign queries if acceptable by us (main contractor).
- In office works, check work progress thru GTP-JC, Welding Completion System, joints welded, painted, hydro tested, etc.
- Checking material availability in warehouse, Input in Excel file available, issued and not available material for reference of issuance & traceability of material issued to sub-contractor.
- Review drawings using Nevis 3D modelling, PDF file for ISO's.
- Input daily manpower and accomplishment report in the network for management's reference.
- Check Test package for punch list completion and whatever balance in construction scope for clearing. Check Isometric Drawings and P&IDs if limits are correct as marked and as per site condition.
- Supervision of Piping Installation.
- Follow up Construction & Erection Work and Prepare Fabrication Status Report.
- Supervise material status according to isometric material list.
- Prepare as-built drawing according to site requirements.
- Monitor all Piping construction activities with emphasis on quality, schedule and HSE.
- Participate in inspection activities according to Inspection and Test plan (ITP) as required.
- Follow up and ensure that all working environment requirements are fulfilled.
- Supervise local inspectors in site team.
- Monitor the receipt and storage of materials within the discipline.
- Participate in audits/verifications as required.
- Monitor work progress against plans and schedules and highlight areas of concern and possible corrective actions.
- Carry out mechanical completion, pre-commissioning of all the units, tankages and all interconnecting piping in association with Owner's operating personnel.
- Checking for final re-instatement and create final Punch List.
- Supervise flange management activities.
- Test package final reviewing.
- Subsystem & System walk down and follow up construction team clearing all category "B" construction punches and subsystem punches prior to Mechanical completion.
- Participate PSSR prior to start-up and initial operating.

Dates : From Jul. 2016 till May 2017
Employer : EMC
Project : Morgan 36 Rehab Project (oilfields located offshore in the Gulf of Suez, Egypt)
Job title : Piping Construction Team Lead
Job Description :

- Control and manage all Piping and Mechanical activities during meeting to avoid any SIMOPs.

- Follow up Construction & Erection Work and Prepare Fabrication Status Report.
- Supervise material status according to isometric material list.
- Prepare as-built drawing according site requirements.
- Monitor all Piping construction activities with emphasis on quality, schedule and HSE.
- Participate in inspection activities according to Inspection and Test plan (ITP) as required.
- Follow up and ensure that all working environment requirements are fulfilled.
- Supervise local inspectors in site team.
- Monitor the receipt and storage of materials within the discipline.
- Participate in audits/verifications as required.
- Carry out mechanical completion, pre-commissioning and commissioning of all the units, tankages and all interconnecting piping in association with Owner is operating personnel.
- Ensure MC complete for handover to Commissioning.
- Checking for final re-instatement and create a Punch List.

Dates : From Nov. 2015 till Jul. 2016

Employer : ENPPI

Project : West Harbour Expansion Project (onshore)

Job title : Piping Construction Superintendent & Pre-commissioning Supervisor

Job Description :

- Control and manage all Piping and Mechanical activities during meeting to avoid any SIMOPS.
- Follow up Construction & Erection Work and Prepare Fabrication Status Report.
- Supervise material status according to isometric material list.
- Prepare as-built drawing according site requirements.
- Monitor all Piping construction activities with emphasis on quality, schedule and HSE.
- Follow up and ensure that all working environment requirements are fulfilled.
- Supervise local inspectors in site team.
- Supervise and perform hydro static test, flange management and Pre-commissioning activities.
- Monitor the receipt and storage of materials within the discipline.
- Participate in audits/verifications as required.
- Checking for final re-instatement and create a Punch List
- Ensure MC complete for handover to Commissioning.

Dates : From Feb. 2014 till Oct. 2015

Employer : BASRA GAS COMPANY HIRED BY EMC EGYPT CO.
Basra Gas Company is a 25-year incorporated Joint Venture between Iraq's South Gas Company holding 51% of its shares, Shell 44% and Mitsubishi Corporation 5%. The Joint Venture captures associated gas that is currently being flared from three oil fields in southern Iraq – Rumaila, West Qurna 1 and Zubair.

Project : BASRA GAS Co. Fields – IRAQ

- Job title** : Senior Piping Engineer
- Job Description** :
- Installation, commissioning and start-up two degassing stations.
 - Rehabilitation of five dehydration (TEG) units. The station has been out of service for long time and the client required to rehabilitate and start-up.
 - Working during several shutdowns for LPNE modifications.
 - Rehabilitation of gas compressor stations. The units have been out of service long time ago and the client asking to carry out rehabilitation enables re-use again.
 - Follow up Construction & Erection Work and prepare Fabrication Status Report.
 - Supervise material status according to isometric material list.
 - Prepare as-built drawing according site requirements.
 - Monitor all Piping construction activities with emphasis on quality, schedule and HSE.
 - Follow up and ensure that all working environment requirements are fulfilled.
 - Prepare MTO and Material Requisitions.
 - Review, comment and stamp project vendor deliverables.
 - Monitor work progress against plans and schedules and highlight areas of concern and possible corrective actions.
 - Assist Contractor with discipline field engineering / construction details upon request or as required.
 - Ensure that systems and equipment are protected and preserved.
 - Ensure that fabrication documentation is issued by Contractor in accordance with requirements.
- Dates** : From Sep. 2010 till Feb. 2014
- Employer** : EVRMAC
- Projects** :
- Cairo West Thermal Power Station Combined Cycle 2x750MW
 - El-Tebbin Thermal Power Station Combined Cycle
 - Sidi Krir Thermal Power Station Combined Cycle
 - El-Shabab Thermal Power Station Single Cycle (gas turbine)
 - Damietta Thermal Power Station Single Cycle (gas turbine)
 - Henkel Factory extension with UHDE Co.
 - Angola two Thermal Power Station Single Cycle (gas turbine)
 - Sokari Gold Mine extension
- Job title** : Piping Engineer & PDMS Instructor
- Job Description** :
- Design pipe routing for all different systems.
 - Isometric preparing & measuring actual length for existing pipes design model & extract data.
 - Design pipe support & take actual measuring to model existing supports.
 - Make final report including material takeoff.
 - Make final GA, PID Drawings for all different systems.
 - Preparation of single line drawings for structure, platforms, bridges, supports, etc.
 - Preparation of nozzle orientation document.
 - 3D modeling design (P.D.M.S.).
 - Coordinating of piping department with Structure & Equipment

departments.

- Training Junior Engineers with AutoCAD, PDMS for Drafting Model review.

Dates : From May 2008 till Sep. 2010
Employer : Kahromica
Projects :

- Cairo West Thermal Power Station Combined Cycle 2x750MW
- Talkha Thermal Power Station Combined Cycle
- Ben Gazi Thermal Power Station Combined Cycle
- Belqas Sugar Factory extensions

Job title : Piping Construction Engineer
Job Description :

- Install critical and non-critical piping for all different system "large bore".
- Installation small-bore line critical and non-critical.
- Prepare for hydrotest – supervise hydrotest.
- Prepare weekly report progress.
- Close all mechanical punch list items.
- Make RFI (Request For Information).

Dates : From Jan. 2000 till May 2008
Employer : Kahromica
Project :

- Cairo North Thermal Power Station Combined Cycle
- El-Tebbin Thermal Power Station Combined Cycle
- Mostorod workshop
- Belqas Sugar factory extensions

Job title : Mechanical Supervisor
Job Description :

- Large bore pipe pre-fabrication.
- Painting and sand-blasting.
- High voltage electrical towers fabrication.
- Vessels and cyclones fabrication.
- Heavy duty vehicle engines maintenance.
- Hydraulic systems of cranes maintenance.

Field of experience :

- Over 21 years of experience in Oil & Gas & power plants & different process-based industries (mining & petrochemicals), handling mainly engineering technology, design, piping construction and commissioning.
- Extensive supervisory & Man Management skill, able to communicate effectively and work well with multi-national work force.
- Specialist in PDMS modelling.
- Lead Mechanical Piping Fabrication, Installation, Flushing and Testing Engineer.
- Pre-Commissioning, Commissioning and Start-up Supervisor for Oil and Gas, Facility Plants (onshore / offshore) and Refineries.
- Material Coordinator.
- Act as a professional Instructor, training junior engineers with AutoCAD, PDMS for Drafting & Model review.
- Thermal power plants & diesel engines & pumps & fans & duct work & construction of steel structure & piping design using PDMS.
- Mechanical Engineer & PDMS Specialist with experience in piping

design, layout, stress analysis, arrangements, including fabrication, erection and tie-ins.

- Awareness of human and project safety especially live gas works.
- Experience in piping construction including fabrication and erection.
- Health, Safety and Environment knowledge:
 - Carried out HSE induction course like Management of HSE, Permit to work system, Work in line areas, Marine induction, Confined Space, H2S awareness & escape.
 - Attended the industrial First Aid course & Enhanced Site Supervision Workshop.
 - Conduction Daily Toolbox Talks to the workforce regarding work content and job safety Plan.
 - Strictly adhered to clients HSE Standards and trained all work forces to do the same.
 - Study of alignment drawings.
 - Study of job HSE plan and other related documents.
 - Observing the work front and allocating the crew to the job locations.
 - Closely monitoring the job activities and giving suggestions to technicians.
 - Attending the weekly progress meeting.
 - IFR – Initial Fire Response.