

Holds a B. Sc. in Mechanical Power Engineering and has about 12 years of experience in piping engineering field.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 15/06/1980
Gender : Male
Marital Status : Married
Residence : Cairo

EDUCATION

: B. Sc. in Mechanical Power Engineering, Ain Shams University, 2004

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office, Internet
: AutoCAD

TRAINING COURSES AND CERTIFICATIONS

- : Training at Mercedes-Benz Service Center.
- : Training at Rodan Company for pumps (taking courses in water networks design and making AutoCAD sketches) for 3 months.
- : Computer courses:
 - AutoCAD (2D & 3D) Professional
 - Microsoft Office (Excel, Word, Power Point)
 - Visual Basic 6
 - Internet & Outlook
- : Enppi:
 - PDMS (plant design management system): Piping and Equipment.
 - QuantaPoint Prism.
 - Piping design principles.
- : GUPCO / BP: Safety courses (Fire fighting, Oshas 18001, H2S, Hazop, Risk assessment, performing authority, first aid).

- : PGESCO:
 - Power station design & operation.
 - 3DM (3D modeling).
 - Microstations V8.
- : WorleyParsons:
 - CEASER II & Piping stress analysis.
 - Auto Plant.
 - PDS (plant design system).
 - Cad Workx & NavisWorks Manager 2009.
- : CB&I Lummas:
 - General plot plan layout arrangement.
 - Smart Plant 3D (Equipment and Piping), CB&I - Cairo Office.
 - English Technical Language in Meetings, Negotiations and decision making, Lummus.
 - ASME B 31.3 course training.
 - Piping design & fabrication course.

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Nov. 2015 till now
- Employer** : GS for Engineering & Construction, Cairo, Egypt
- Job title** : Senior Hydrotest Engineer
- Job Description** : Refinery Project:
- Phase I – Test Pack Documents Preparation:
 - Provide the schedule plane for the hydrotest completion for all Units according to the site conditions and material delivery.
 - Prepare and Control Weekly Reports for all Hydro Test Package Activities.
 - Review and Accept Test Limit for each system based on the commissioning P&ID.
 - Review and Accept Dwgs. and Documents (P&ID, Iso, Material Form, Pressure Diagram.....).
 - Coordinate and solving any issues between different departments / Sub-Contractors.
 - Use of project specifications as well as to make sure achieved by Subcontractor.
 - Provide the hydrotest work front to Subcontractor.
 - Follow the NDE issues like RT, PT, FT & PWHT that belongs to the hydrotest package.
 - Phase II – HydroTest Site Execution:
 - Check the hydrotest facilities are completed as pressure gauges and certified pump and hoses, ...
 - Check the accessibility for each point in Test package, check blind points are sealed, supporting for the tested line, ...
 - Punch (Line Check) the Loop before Testing.
 - Check all preparations at the site for Hydrotest are completely fulfill the Safety requirements.
 - Attend the Hydrotest as witness.

Dates : From Oct. 2014 till Nov. 2015
Employer : RPSE Royal for Petroleum Services and Energy Projects, Assaluyeh, Iran
Project : South Pars Phases 17 & 18 Project
Job title : Senior Piping Project Engineer
Job Description :

- Develop project objectives by reviewing project proposals and plans; conferring with management.
- Determine project specifications by studying design, client requirements.
- Determine project schedule by studying project plan and specifications; calculating time requirements; sequencing project elements.
- Monitoring project progress; coordinating activities; resolving problems.
- Control project plan by reviewing design, specifications, and plan and schedule changes; recommending actions.
- Prepare project status reports by collecting, analyzing, and summarizing information and trends; recommending actions.

Dates : From Nov. 2013 till Oct. 2014
Employer : Worley-Parsons (Resources & Energy), Cairo, Egypt
Projects :

- DISOUQ field development (Engineering Services for flow and trunk pipelines 6", 8", 12" and 16" - 195km long) - Client: RWE - Egypt
- Muzhel Project

Job title : Senior Project Engineer (Piping / Pipeline)
Job Description :

- Determine project responsibilities by identifying project phases and elements; assigning personnel to phases and elements; reviewing bids from contractors.
- Represent Client role at Site to plan, direct and coordinate with contractors and subcontractors.
- Supervise all the pipeline construction activities including welding, backfilling and lowering of Pipeline activities.
- Coordinate with the third parties and other existing facilities.
- Ensure contractor is performing to schedule requirements and has sufficient qualified
- Audit/report on subcontractor's performance on day to day matters.

Dates : From Aug. 2010 till Nov. 2013
Employer : Chicago Bridge & Iron – Lummus (Cairo)
Projects :

- Nagrajuna (Detail project)
- OXY Occidental Oil & Gas (Detail project)
- Reficar (Detail project)
- OXY Ingleside ethylene project (Feed Project)

Job title : Senior Piping Design Engineer
Job Description :

- Complete, check drawings and isometrics by PDMS.
- Check other departments' design drawings and supplier equipment drawings.
- Modeling the existing pipes and produce isometrics for lines using PDS Program.
- Lead team to complete area piping design and check it.
- Developing and issuing equipment orientation.
- Designing Reviewing of lines, equipment and structure in SPR (Smart

Plant Review) & Navisworks Reviews for completeness (routing feasibility and requirements of process, accessibility, Stress and other).

- Work in Piping Design Checker team after 60% model review to finalize all the iso's to IFC phase.
- Review the final equipment drawings for the area I involved in.
- Make sure that all Client requirements in model review were corporate and included in our design with some flexibility to discuss with client representatives if there is something we can neglect or modify from their comments.
- Process area lead with responsibility to check the iso's created before 60% model review at heater area.
- Checking and finalize all piping isometrics in interconnecting pipe rack and update the PIDs according to our modifications.
- Deal with other disciplines and cooperate comments to finalize our scope in good shape and planned schedule.
- Complete the missing lines according to P&IDs updating, using PDMS model and issue them for construction phase.
- Support other area's leads if there face any sample problems in PDMS.
- Create and extract monitoring reports from PDS and handed it to Piping Project Lead.

Dates	:	From Oct. 2008 till Aug. 2010
Employer	:	Worley-Parsons (Resources & Energy), Cairo
Projects	:	<ul style="list-style-type: none">• Rehabilitation Project (Revamp)• Karama Power Station (Feed & Detail)• Akik Refinery (Feed & Detail)
Job title	:	Piping Design Engineer
Job Description	:	<ul style="list-style-type: none">• Prepare (3-D) Auto plant design model.• Prepare bulk material quantity takeoffs and material requisitions for materials applicable to the discipline.• Prepare pipe support details and material quantity support takeoffs.• Using Quantapoint PRISM 2D & 3D (Laser Scanning) to get accurate piping model in CAD as data extracted from the actual Laser model.• Using Advanced prism techniques to get sections in the real laser model to help getting precise CAD model and pipe routing.• As built Modifications for Piping and supports at PDMS model for MOPCO project.• Performing piping studies.• Dealing with different design Codes (ASME, API, ASTM and DIN).• Support for on-site Piping Engineers.• Participate in arrangement the equipment plot plan while discussion with other disciplines to finalize the plot plans and equipment locations.• Create the piping routing and check the others routing to achieve best saving in material cost and installation time.• Create and finalize piping GA's and plot plan layout using PDMS.• Issue the iso's after final checking with the P&IDs, line list and Mechanical Data sheet and also be sure that Model Clash check performed.

Dates : From Dec. 2009 till Jun. 2010
Employer : Al Jaber & Partners – Construction & Energy Projects (Qatar)
Project : GTL (Gas to liquid) project
Job title : Piping Technical Office Engineer
Job Description :

- Giving various Technical support activities for construction team with handling of Shell Standard (Shell DEPs) and project specifications.
- Piping tracing against GA, P&ID and Isometric drawings for generating punch list.
- Follow up and handle site issues with the concerned disciplines including Technical Document management such as Site queries, Technical deviation, Test Packs ...etc.
- Extract isometrics from GA & make as-built for modified lines at site.
- Ensure contractor works to the approved construction method statements and schedules.
- PDMS Designer:
 - Modeling the existing equipment and pipes and produce isometrics and GA using PDMS Program.
 - Conducting surveys to determine information to allow execution of scopes of work.
 - Attending Design Reviews, HAZOPs and Constructability assessments etc. if delegated by the Discipline Supervisor.
 - Attending technical meetings if delegated by the Discipline Supervisor.
 - Providing discipline design input to procurement and construction activities.
 - Communicate and interface with other project design and engineering disciplines.
 - The work includes identification of areas / systems for revamping, design of pipe systems for modified sections, preparation of final drawings for tie-ins and also for demolition using PDMS & AutoCAD.
 - Capturing and communicating lessons learnt to the Discipline Head.
 - Ensure that the local Tie-ins and As Built documentation are reviewed correctly and correctly taken into the design.

Dates : From Aug. 2007 till Oct. 2008
Employer : PGESCo (Power Generation Engineering and Services Company), Cairo
Project : Cairo West (Phase 7 & 8)
Job title : Plant Design Engineer
Job Description :

- Prepare 2-D Computer Aided Design (CAD) plant layouts and study drawings from which detailed design 3-D CAD.
- Accomplishment all underground piping systems in 3DM and its composites drawings.
- Prepare MTO and material requisitions for materials applicable to the discipline.
- Work with engineers in other disciplines in the overall assignment to coordinate designs.
- Answer questions from client or construction group on design for assigned responsibility.

- Review Project Design Specifications on the basis of local regulations, International codes/good practice and customer requirements.
- Perform/Coordinate Piping Routing Studies, Plant Layout Studies, Nozzle/Platforms Orientation Studies of equipment.
- Coordinate the preparation of piping layout drawings. Routed the pipe system in 3D modeling for using smart plant SP3D.
- Generate the Piping Design Documents (Isometrics, sketches).
- Support the EGS during 3D Model Reviews.
- Review, comment and stamp project vendor deliverables.

Dates : From Jul. 2005 till Aug. 2007

Employer : Enppi (Engineering for Petroleum & Process Industries)

Project : Rehabilitation Project

Job title : Piping Design Engineer

Job Description :

- Working as a Piping Construction Supervisor for installing pipes in off-shore.
- Verify isometrics with existing piping in complex and satellite to help GL inspection team to issue inspection reports.
- Using P&IDs to develop preliminary MTO and design for the piping.
- Modeling using PDMS and CadWorks to produce 3-D design of a plant, this can be used to produce all drafting outputs (GA and isometrics).
- Using PRISM Program to measure pipes diameter, any distance & follow pipes from position to position, get any missing data & Check of piping constructability.
- Prepare piping document such as MMS (material management system) EIR (engineering inspection report).
- Making ISOs drawing & GA'S drawing at AutoCAD.
- Making M.T.O. for ISOs using Enppi specs.
- Dealing with and using Quanta point prism.
- Participating in design of replacement systems of project.
- Participating in design of new lines.
- Dealing with P&ID'S and its symbols.
- Design routing for different systems using PDMS.
- Reinstatement: Using piping and instrument diagrams (P&IDs) and ISO drawings.
- Making survey, drawing ISO's & data gathering for offshore complexes, satellites & onshore process area including (equipment, valves, pipes...etc.).
- Dealing with drawing ISO's and revise them to be installed and fabricated at the yard, and try to solve any problem appears.

Dates : From Aug. 2004 till Jul. 2005

Employer : East Delta Co.

Job title : Maintenance Engineer

Job Description : Maintenance & technical support for diesel engines & pneumatic devices for buses.

- Field of experience** :
- About 12 years of experience in piping engineering field.
 - Work as Sr. Piping Engineer: create, developing and checking system design CAD files or drawings in conformance with project specifications, scope of work, standards, design parameters, codes and industry practices.
 - Work in many type of projects (Feed, Details, Offshore, Onshore, Rehabilitation, Green & Brown field, Power, Refinery, Water treatment, Storage,...).
 - Work as Technical Office Engineer: site construction execution development & Piping spool fabrication, Responsible for technical issues & Test-packages.
 - Work as Project Engineer: complete engineering and construction projects by planning, organizing and controlling all elements of the project.
 - Work as Piping Group Leader for three projects.
 - Have great experience as piping checker in mega and small projects.
 - Prepare and review engineering studies, design drawings and documents, and material and equipment specifications
 - Resolve specialty related engineering issues by applying accepted principles, codes and standards.
 - Knowledge of engineering practices and economic principles, calculation methods, design details, international codes and standards, procedures and specifications.
 - Responsible for safe, technically accurate and cost effective piping system designs and deliverables for refineries, chemical plants, petrochemical plants, offshore installations, and oil and gas production facilities.
 - Responsible for compliance with applicable specifications and standards.
 - Work within project team environment.