

Holds a B. Sc. in Mechanical Power Engineering and has more than 13 years hands-on experience in piping & layout design and technical office engineering support in petrochemical, refinery and power projects.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 12/09/1980
Gender : Male
Marital Status : Married

EDUCATION

: B. Sc. in Mechanical Power Engineering, Ain Shams University, 2003

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office, Internet
: AutoCAD 2D & 3D
: Microstation
: PDMS

TRAINING COURSES AND CERTIFICATIONS

: ILM Certificate (Institute of Leadership and Management), by Qatar International Safety Centre.
: AVEVA PDMS-Piping and PDMS-Catalogues & Specs.
: Microstation.
: Piping Design, Fabrication and Specification "in-house" training at Enppi.
: Codes and Standard "in-house" training at Enppi.
: Piping stress analysis course "in-house" training at Enppi.
: PDS "in-house" training at CB&I.
: Smart Plant 3D "in-house" training at CB&I.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Apr. 2016 till now
Project : Rehabilitation Project (BP-GUPCO) - Rehabilitation of Gupco offshore complex - Morgan36
Job title : Senior Field Piping Engineer
Job Description :

- Liaise with engineering and operations groups to ensure constructability issues are addressed during the design and execution phases.
- Determine System Limits and produce marked up P&ID's, etc.
- Verification all existing lines in sites (Offshore and onshore) and redesign these lines with new tie-in.
- Prepare MTO and material requisitions.
- Review and prepare Work-Pack for off-shore execution.

Dates : From Apr. 2015 till Apr. 2016
Employer : GS for Engineering and Construction
Project : ERC Refinery Project, Cairo
Job title : Area Lead - HYDROCRACKER UNIT - Piping Supervision
Job Description :

- Plan/Schedule own work priorities and activities inline with the construction schedule.
- Design of test packages Loops indicating loop limits.
- Participate in MC punch-out, verification and monitor MC status.

Dates : From Apr. 2014 till Feb. 2015
Employer : Baghdad Co. for Gas Turbines Ltd.
Project : Early Power - West Qurna Project
Job title : Piping Site Support Engineer
Job Description :

- Assist in development of the design ensuring it can be built.
- Working as team leader for revision detailing group, supervising and technically assisting all piping detailing activities.
- Technically assisting the pipe support group for material take-off and fabrication activities.

Dates : From Apr. 2012 till Dec. 2013
Employer : Chicago Bridge & Iron (CB&I), Cairo
Job title : Piping Design Engineer
Job Description :

- Review vendor documents and dialed with 3D modeling piping using PDS with CBI standards.
- Prepare and participate in design reviews and other meetings.
- Developing and issuing equipment orientation drawings including platforms and ladders related to equipment location requirements for accessibility for operation, maintenance and other.

Dates : From Apr. 2011 till Apr. 2012
Employer : WOOD GROUP - CCC J.V.
Project : EMC South Project (Detail Project)
Job title : PDMS Designer

Job Description :

- Scope of work: piping engineering for complete or partial replacement of the existing piping with technical integrity in different areas of the Oman south oil fields.
- 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.
- Communicate and interface with other project design and engineering disciplines.
- Ensure that the local Tie-ins and As Built documentation are reviewed correctly and correctly taken into the design.

Dates : From Dec. 2008 till Mar. 2011

Employer : Consolidated Contractors International Company (CCIC)

Project : Pearl GTL Project – Ras Laffan, QATAR

Job Description :

- Senior Piping Engineer:
 - Supervising and assist supervising a team of draftsmen and assistants inside the office.
 - Be able to read drawings like isometric, P&ID, detail drawings, GA ...etc. and distribute the work among the staff.
 - Follow up and handle site issues with the concerned disciplines including technical document management such as site queries, technical deviation, and test packs ...etc.
- QS Eng. (Equipment):
 - Preparations of actual cost break down / bill of materials for mechanical equipment (Utility & Process Equipment).
 - Detect discrepancies between contract BOQ, construction drawings and actual site installations.

Dates : From Sep. 2007 till Dec. 2008

Employer : PGESCO (Power Generation Engineering & Services Co.)

Project : El-Tebbin Thermal Power Plant (2x350MW Gas fired unit)

Job title : Plant Design Engineer

Job Description :

- Review project design specifications on the basis of local regulations, international codes/good practice and customer requirements.
- Piping routing studies, plant layout Studies, nozzle/platforms orientation studies of equipment.
- Generate the piping design documents (isometrics, sketches).
- Review, comment and stamp project vendor deliverables.

Dates : From Jan. 2004 till Sep. 2007

Employer : ENPPI Co.

Project : Gupco Rehabilitation Project, On-Shore & Off-Shore

Job title : Piping Engineer (PDMS Operator)

Job Description :

- Working in (PDMS -3D) piping model, P&ID sketches, general arrangement drawing, layout drawing, material take off, AutoCAD drawing and all design engineering drawings.
- Piping Construction Supervisor (Off-Shore & On-Shore).

Dates : From Jan. 2003 till Jan. 2004
Employer : EgyCond (Electromechanical & Central Air Conditioning Contractor)
Job title : Procurement & HVAC Engineer
Job Description : Preparing request for quotation, bill of quantities, cooling load sheet, Estimation sheets, technical compliances, cost comparison and cost sheets.

Field of experience :

- Piping & Layout Design Engineer with more than 13 years experience in piping & layout design and technical office engineering support in petrochemical, refinery and power projects.
- Experience in AutoCAD Plant 3D, PDS and PDMS.
- Experience in assisting fabrication team.
- Experience in leading team of draftsmen.
- Experience in both new projects (Green Projects) and revamping projects (Brown Projects).
- Knowledge of ASME B31.3 and related codes and standards.
- Work as Piping Technical Office Engineer; follow up and handle site issues, work with multinational companies.
- Achievements:
 - Install fuel gas system for 35MW SOLAR Turbines.
 - Design firefighting system for area 110 at Reficar Plant.
 - Held in-house piping training for site mechanical engineer.
 - Succeeded in saving 50,000\$ of rework by making in house changes in design of separators closed drain system by third party.
 - Design instrument air system for off-shore P/F for Gupco.