

101126-MEC-14DEV-E-2003
Piping & Valves Technical Authority Engineer

Holds a B. Sc. in Mechanical Power Engineering and has more than 17 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 Jan. 2016 till now
Employer : Dragon Oil & GUPCO JV
Project : (M-36) Gupco Rehabilitation Project
The Rehab Project, which has been carried out since 2005 and has already been applied to Badri, July-10, and Ramadan-6 complexes, aims to reduce risks to personnel, enhance operability of GUPCO's facilities and ensure production delivery. The Morgan-36 Complex (M-36) is the fourth asset to be rehabilitated by the Egyptian firm in the program; the joint venture approved as much as \$120 million for the project's current phase, which covers the remaining engineering and procurement scope and the activities to proceed with execution.
- Job title** : Piping & Valves Technical Authority Engineer
Job Description :
 - Manage and execute 3D model, run ISO-gen and prepare isometrics.
 - Prepare general arrangements, plans, elevations and details.
 - Manage a small team of CAD designers on projects.
 - Participate in all key design, operability and maintainability reviews.
 - Resolve specialty related engineering issues by applying accepted principles, codes and standards.
 - Provide technical input on contractor and consultant selection with engineering content.
 - Review and accept engineering DWGs and documents (P&ID, isometrics, material form, GAs...etc.).
 - Own COMPANY's Technical Codes and Standards, ensuring their suitability and advice on their correct application.
 - Act as technical authority (i.e. signatory) on key documents including validation of contractor's key deliverables and prescribed audits as necessary.
 - Provide technical assistance to discipline assigned staff as required.
 - Designing reviewing of lines, equipment and structure in Navisworks review for completeness (piping routing, accessibility, stress and other).
 - Reviewing and approve CTRs of main consultant for all piping design activities.
 - Preparing look ahead plan and making arrangements to achieve it.
- Dates** : From Jan. 2015 till Dec. 2015
Employer : GS for Engineering and Construction
Project : ERC Refinery Project, Mostorod
The plant will include a two-million-tones-a year unit for the production of high-quality diesel. The other complex units will include an 80,000bpd vacuum distillation unit (VDU), along with a 40,000bpd hydrocracker that can transform lower-quality products into the middle distillates, which are in high demand. The crude distillation units are being constructed by ENPPI. Annual capacity at the refinery will be five million tons or (100,000bpd) of refined products (2.5 million tons of diesel oil when the complex is complete). The new project requires an investment of \$3.7bn.
- Job title** : PMC Senior Field Piping Engineer (Hydrocracker Unit)
Job Description :
 - 3D modeling for new modifications using PDMS.
 - Ensure that all piping design works are done as per client standards,

project specifications, stress analysis requirement and process requirement by using PDMS.

- Review Test Packs submitted from Contractor from engineering point of view for issuing to site walk down.
- Replying Concession requests from contractor related to engineering issues.
- Reviewing Field Change Notice (FCN) from contractor.
- Replying all PLWD punches related to engineering from commissioning team.

Dates : From Apr. 2014 till Dec. 2014
Employer : Baghdad Co. for Gas Turbines Ltd.
Project : Early Power - West Qurna Project
Job title : Senior Technical Office Engineer
Job Description :

- Be responsible against all construction team technical queries and provide them with a suitable reply in a convenient time.
- Working as team leader for revision detailing group, supervising and technically assisting all piping detailing activities.
- Prepare test packages indicating test loops limits.
- Facilitate design of some items which is applicable at site in connection with engineering head office to prevent interruption of site activities.
- Technically assisting the pipe support group for Material Take-Off and fabrication activities.
- Assist in development of the design ensuring it can be constructed.
- Coordinate with project engineering team to receive needed documents in a timely manner according to the project work schedule.

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.
- Resolve problems in 3D environment.
- 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 and maintenance.
- Developing and generating Plot plans from process flow sheets and preliminary equipment sizes.
- Check piping design drawing of vendor shop.
- Prepare piping design sketches as required by drafting personnel.

Dates : From Apr. 2011 till Apr. 2012
Employer : WOOD GROUP - CCC J.V.
Project : Rehabilitation of South Oil Field (Detail Project)
Job title : Piping Designer
Job Description :

- Modeling the existing equipment and pipes and produce isometrics and GA using PDMS.
- Conducting surveys to determine information to allow execution of

scopes of work.

- Attending design Reviews, HAZOPs, and constructability assessments if delegated by 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 Dec. 2008 till Mar. 2011

Employer : Consolidated Contractors International Company (CCIC)

Project : Pearl GTL Project – Ras Laffan, QATAR

The Pearl GTL plant, a joint development by Qatar Petroleum and Shell, will process about three billion BOE over its lifetime from the world's largest single non-associated gas field. The project comprises the development of an onshore GTL plant with two trains to produce 140,000 BPD of GTL products and around 100,000 BOEPD of natural gas liquids. JGC Corp. and KBR were awarded the project management and cost-reimbursable EPCM contract, while CCC was awarded the entire construction contract for the two trains and the associated process and utilities / offsite area of the onshore facilities to carry out this project, CCC mobilized over 15,000 people and 2,500 pieces of construction equipment in an industrial zone the size of Amsterdam.

Job title : Senior Piping Engineer

Job Description :

- Supervising and assist supervising a team of draftsmen and assistants inside the office.
- Make sure that incoming/outgoing transmittals are documented and tracked.
- Read the related projects spec. and supervise the setup for related detailing.
- Be able to read drawings like isometric, P&ID, detail drawings, GA ...etc. and distribute the work among the staff.
- Track, advice, controls the quality of the production and control the progress of the detailing production.
- Answer the emails and queries coming from other project's piping engineers.
- Follow up and handle site issues with the concerned disciplines including technical document management such as site queries, technical deviation, Test Packs ...etc.
- Giving various Technical support activities for construction team with handling of Shell Standard (Shell DEPs) and project specifications.

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.
 - 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 in 3D Model Reviews.
 - Review, comment and stamp project vendor deliverables.
 - Prepare MTO and Material Requisitions.
- Dates** : From Jan. 2004 till Sep. 2007
- Employer** : ENPPI
- Project** : Gupco Rehabilitation Project, On-Shore & Off-Shore
- Job title** : Junior Piping Designer
- 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.
 - Supervisor on construction and work in piping Erection using isometrics (ISO'S) and the 3D-model according to code (ASME B31.3 and ASME B16.5) and ENPPI specification.
 - Piping Construction Supervisor on BARGE PMS (11-17).
 - Analysis of Pipeline survey, drawing ISO's & data gathering for offshore complexes, satellites & onshore process area including (equipment, valves, pipes...etc.).
- Field of experience** :
- Piping Engineer with comprehensive understanding and professional knowledge in offshore and onshore piping.
 - Coaching, mentoring and development of others within the field of piping engineering.
 - Great experience as piping checker in mega and small projects.
 - Work in many types of projects (Feed, Details, offshore, onshore, rehabilitation, green & brown field, power gen., refinery...).
 - Work as site support engineer: site execution development, responsible for technical issues.
 - Familiar with international piping codes and standards (ASME, API, ASTM....).
 - Experience in leading engineering team.
 - High experience in PDS and PDMS.
 - Familiar with piping stress analysis.