

104005-MEC-4CDEV-E-2006
Senior Pipeline & Piping Design Engineer

Holds B. Sc. and M. Sc. in Mechanical Power Engineering and has about 12 years of wide experience in onshore piping/pipeline design, piping/pipeline construction and technical office duties with good experience in Project Coordination.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 03/01/1985
Gender : Male
Marital Status : Married
Residence : Cairo

EDUCATION

- : B. Sc. in Mechanical Power Engineering, Helwan University, 2006
- : M. Sc. in Mechanical Power Engineering, Helwan University, 2014
- : Ph.D. Preparations, Mechanical Power Engineering, Helwan University (from 2017 till now)

LANGUAGES

Arabic : Native Language
English : Fluent

COMPUTER SKILLS

- : Windows, MS Office (Word, Excel, Power Point), Internet
- : PDMS

TRAINING COURSES AND CERTIFICATIONS

- : Everything 3D software (E3D) – piping and equipment modules, AVEVA.
- : Plant Design Management system software (PDMS) – piping and equipment modules, Petrojet.
- : Expedition: contract control software level II, American University in Cairo (AUC) (Dec. 2010).
- : Expedition: contract control software level I, American University in Cairo (AUC) (Sep. 2010).
- : Technical Office Engineers course – the Eastern Branch of Petrojet (May 2010).
- : STUCAD – the Eastern Branch of Petrojet (Oct. 2009).
- : AUTOCAD Level II – 3D, American University in Cairo (AUC) (Apr. 2008).
- : AUTOCAD Level I – 2D, American University in Cairo (AUC) (Mar. 2008).

- : Piping Design Courses, Petrojet.
- : Hydraulic tests, Higher Technological Institute 10th of Ramadan City (May 2007).
- : Design & Selection of Fluid Power Pumps and Motors, American University in Cairo (AUC) (Apr. 2007).

CHRONOLOGICAL EXPERIENCE RECORD

Dates	: From Nov. 2006 till now
Employer	: THE PETROLEUM PROJECTS AND TECHNICAL CONSULTATION CO. (PETROJET)
Job title	: Senior Pipeline & Piping Design Engineer
Job Description	: • Piping Design Engineer (from Jan. 2018 till now): • Assigned to work in WEPCO Relocate Tank-7 El-Hamra Project – as a Piping Design Engineer. Leading the Piping Engineering Team. Producing the isometrics. Producing GA Drawings by using E3D. Coordinate Engineering activities between disciplines. Location: El Alamein, Egypt. • Pipeline Design Engineer (from Jun. 2017 till Dec. 2017): Assigned to work in 12" Abo El-Ghradik-RZK- WEPCO Shipping Pipeline Modifications Project – as a Pipeline Engineer. Leading the Piping Engineering Team. Attend meetings with the client to discuss the scope and state of the possible solutions. Checking the Producing GA Drawings by using CADWORKS. Coordinate Engineering activities between disciplines. Location: Western Desert, Egypt. • Engineering Coordinator (from May 2016 till May 2017): Assigned to work in Sonker Pipeline Project – as a Engineering Coordinator. Coordinate the Project activities between Engineering Disciplines. Coordinate the activities between the engineering team and construction team. Attending meetings with client to achieve the required activities and progress. Location: Ain Sokhna, Egypt. • Pipeline Design Engineer (from Nov. 2015 till Apr. 2016): Assigned to work in Hydra/Shams Gas 12" Pipeline Project – as a Pipeline Engineer. Leading the Piping Engineering Team. Perform the Alignment Sheets. Producing GA Drawings by using PDMS. Coordinate Engineering activities between disciplines. Location: Western Desert, Egypt. • Piping Design Engineer (from Aug. 2015 till Feb. 2016): Assigned to work in Abo- Sanan Development Project – as a Piping Design Engineer. Leading the Piping Engineering Team. Producing the isometrics. Producing GA Drawings by using PDMS. Coordinate Engineering activities between disciplines. Location: Western Desert, Egypt. • Piping Technical Office Engineer (from Dec. 2014 till Jul. 2015): Assigned to work in Polymer Injection for Land Oil Plant Project – as a Piping Technical Office Engineer. Make survey for steel structure and piping materials, Participate in making the project budget. Preparing the technical reports for the tenders. Studying the incoming technical documentation That Received from clients. Following up the arrival of designs and all engineering drawings with Petrobel. Location: Abo-Rdis, Egypt. • Pipeline Construction Engineer (from May 2014 till Nov. 2014): Assigned to work in Development of South October – Petronefertiti Project – as a Pipeline Construction Engineer. Execute The 8" Oil pipeline from the well

to the Plant for 7 Km. Fabricate & erection Piping & well Area. Location: Abo- Rdis, Egypt.

- Project Coordinator (from Jun. 2013 till Apr. 2014): Assigned to work in Anti-Pollution Centre Buildings Project – as a Project Coordinator Engineer, Coordinate between Engineering, Procurement, Workshops Fabrication & Site Erection, Participate in making the project budget. Studying the incoming technical documentation That Received from clients. Following up the arrival of designs and all engineering drawings with EGPC. Location: South Sinai, Egypt.
- Piping Construction Engineer (from Jun. 2012 till May 2013): Assigned to work in The LAND OIL Plant Project – as a Piping Construction Engineer. Fabricate & erection Piping & piping supports in The Plant. Follow up the welding team & welding progress. Prepare the daily/weekly Reports for the works in the site. Covering all items in punch list for the job performed. Location: Abo-Rdis, Egypt.
- Piping Technical Office Engineer (from Nov. 2010 till May 2012): Assigned to work in North Shedwan Facilities Project – as a Piping Technical Office Engineer. Make survey for steel structure and piping materials, Participate in making the project budget. Preparing the technical reports for the tenders. Studying the incoming technical documentation That Received from clients. Following up the arrival of designs and all engineering drawings with Gupco. Location: South Sinai, Egypt.
- Piping Technical Office Engineer (from Jun. 2010 till Oct. 2010): Assigned to work in The Petrico Plant Extension Project – as a Piping Technical Office Engineer. Make survey for steel structure and piping materials, Participate in making the project budget. Preparing the technical reports for the tenders. Studying the incoming technical documentation That Received from clients. Following up the arrival of designs and all engineering drawings with Petrobel. Location: South Sinai, Egypt.
- Piping Technical Office Engineer (from Jun. 2009 till May 2010): Assigned to work in Development of Al-Amal Plant Project – as a Piping Technical Office Engineer. Make survey for steel structure and piping materials, Participate in making the project budget. Preparing the technical reports for the tenders. Studying the incoming technical documentation That Received from clients. Following up the arrival of designs and all engineering drawings with Petrobel. Location: Red Sea, Egypt.
- Piping Construction Engineer (from May 2008 till May 2009): Assigned to work in El-Gamil Gas Plant Upgrading Project – as a Piping Construction Engineer. Fabricate & erection Piping & piping supports in The Plant. Follow up the welding team & welding progress. Follow up the Hot taping Works. Prepare the daily/weekly Reports for the works in the site. Covering all items in punch list for the job performed. Location: Port Said, Egypt.
- Piping Construction Engineer (from May 2007 till Apr. 2008): Assigned to work in Saqqara Project – as a Piping Construction Engineer. Fabricate & erection Piping & piping supports in The Plant. Follow up the welding team & welding progress. Prepare the daily/weekly Reports for the works in the site. Covering all items in punch list for the job performed. Location: Ras-Shokier, Egypt.
- Piping Construction Engineer (from Nov. 2006 till Apr. 2007): Assigned

to work in Rehabilitation for Gupco Platforms – as a Piping Construction Engineer. Fabricate & erection Piping & piping supports in The Plant. Follow up the welding team & welding progress. Prepare the daily/weekly Reports for the works in the site. Covering all items in punch list for the job performed. Location: Ras-Shokier, Egypt.

- Field of experience :**
- 5 years of experience at Oil & Gas projects as Piping Construction Engineer.
 - 4 years of experience Oil & Gas projects as Technical Office Piping Engineer.
 - 3 years of experience at Oil & Gas projects as Piping Design Engineer & Project Coordination.
 - Good experience in using PDMS & E3D.
 - As Senior Piping & Pipeline Engineer:
 - Equipment Modeling (PDMS & E3D).
 - Making Piping Routing (PDMS & E3D).
 - Making Piping Study.
 - Generating Piping Isometrics Drawings.
 - Dealing with PFD, P&ID and Estimating The MTO.
 - Dealing with mechanical data sheets.
 - Calculations of the pipe wall thickness.
 - Coordinate between Engineering, Procurement, Workshops Fabrication & Site Erection.
 - Make survey for steel structure and piping materials.
 - Surveying the executed quantities and preparing the monthly invoices for both client and subcontractors' and the final invoices according to the contract.
 - Participate in making the project budget.
 - Make price analysis for works.
 - Preparing the technical reports for the tenders.
 - Studying the incoming technical documentation that received from clients.
 - Preparation and follow up equipment hire orders.
 - Preparing and attending meetings with clients.
 - Studying & Following up all engineering drawings for the entire project with clients' responsible or the company design department.
 - Fabrication & Erection Pipes & Supports S.S & C.S.
 - Prepare the daily/weekly Reports for the works in the site.
 - Study the best solution to do the suitable corrective action in the site.
 - Arranging with project Mgr. to prepare required manpower & equipment to execute the job demanded according to budget & execution time schedule.
 - Covering all items in punch list for the job performed.