

Holds a B. Sc. in Mechanical Engineering and has about 11 years hands-on experience working in piping, plant design and technical office.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 30/08/1983
Gender : Male
Marital Status : Single
Residence : Giza, Cairo

EDUCATION

: B. Sc. in Mechanical Engineering, Higher Technological Institute, 6th of October City, 2005
: Secondary Education: El Manar Islamic School, 2000

LANGUAGES

Arabic : Native Language
English : Fluent

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet
: AutoCAD 2012
: Micro Station ver. 7.2
: Intergraph Smart Plant SP3D (Piping & Layout, Equipment, Smart Sketch)
: PDMS ver. 11.6 (PIPE Works, Paragon, Specon, Report, IsoDraft)
: Caepipe (Piping stress analysis package)
: ME-101 (Bechtel Cooperate in house program for stress analysis)

TRAINING COURSES AND CERTIFICATIONS

: B31.1 ASME Power Plant Piping by Mohinder L. Nayyar.
: American University in Cairo (AUC):

- ASME SECTION VIII - Division I.
- ASME SECTION VIII - Division II.
- B31.3 ASME Process Piping.
- B31.8 ASME Gas Transmission & Distribution of Piping System (Deleted).

: How to become more Successful & Happier Employee.
: Consolidated Contractors Company Ethics & Anti-Corruption Training.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Mar. 2015 till now
Employer : Consolidated Contractors Company (CCC), Consolidated Sicon Power Company (CSPC)
Job title : Sr. Mechanical Engineer
Job Description :

- Review of tender document including the scope of work, specifications, and value engineering, tender bulletins, bill of quantities, technical offer, technical clarification, and list of deviation to the specification, list of deviation to the scope of work.
- Analyze project requirements and perform technical calculations supporting design.
- Preparation and review of P&IDs, calculations, equipment specifications, and filling of equipment data sheet.
- Prepare the system descriptions, and the system write-up for the BOD.
- Prepare the project design criteria documents.
- Review the piping routing.
- Prepare the piping MTO estimation.
- Prepare the RFQ.
- Review of supplier documents.
- Review the junior engineers design and drawing.
- Prepare the technical specification.
- Prepare the piping material class sheet for the project, according to the material specification of the project and the Code.

Dates : From Oct. 2013 till Dec. 2014
Employer : Consolidated Contractors International Company (CCC)
Project : Waset Gas Plant Project (WGPP) – KSA
Job title : Piping Field Engineer
Job Description :

- Perform constructability reviews on the main project pipe racks.
- Plan and arrange the installation for pipe line on the pipe racks.
- Design and calculate the pressure testing manifold wall thickness.
- Utilize project automation tools (in-house C3D and talisman).
- Provide technical direction to construction supervision.
- Provide input to the project critical items list as required.
- Prepare field material requisitions and tracking receipt of materials as required.
- Review field material requisitions FMR & RFF for piping.
- Estimate the test pack numbers in the project.
- Coordinate with our consultant and field engineers for design error.
- Monitor and check the draftsman spooling and welding map.
- Review of piping pressure test packages.
- Supervise and monitor test pack preparation.

Dates : From Aug. 2010 till Sep. 2013
Employer : Power Generation Engineering and Services Company (PGESCO)
Projects :

- BAIJI Power Plant – Iraq (2x650MW Thermal Power Plant)
- El Ain El Sokhna Supercritical Thermal Plant (2x650MW Gas/Oil fired unit)

Job title : Plant Design Engineer
Job Description :

- Perform the Stress analysis for critical piping on ME-101, Check the result, and review Piping Support sizing and equipment nozzle load verification, as required by project scope.
- Specify locations and types of pipe supports and restraints for critical steam piping systems and other high temperature piping systems.
- 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).
- Prepare MTO and Material Requisitions.
- Support the EGS during in 3D Model Reviews.
- Review, comment and stamp project vendor deliverables.

Dates : From Jul. 2008 till Aug. 2010

Employer : Evrmac for Engineering and Management

Projects :

- El-Atf Thermal Power Station (750MW Combined Cycle Project)
- Sidi Krir Thermal Power Station (750MW Combined Cycle Project)
- Cairo West Thermal Power Station (2x350MW Thermal Power Plant)

Job title : Piping Engineer

Job Description :

- Routing of critical and non-critical small bore piping systems PDMS.
- Stress analyzed the critical piping systems using Caepipe.
- Design the pipe supports for the non-Critical piping.
- Design a special support and prepare the sketch drawing.
- Check the IFC Isometric before it had been issuance.
- Prepare and Review Piping MTO.
- Prepare and Review the support Index from PDMS.

Dates : From Jun. 2006 till Aug. 2008

Employer : Consolidated Contractors International Company (CCC)

Project : Khursanyia Gas Plant Project (KGPP) – KSA

Job title : Technical Office Engineer

Job Description :

- Organize and check the preparation of the Isometric welding map for 54000 piping line Isometrics.
- Issue the spooling drawing for the fabrication Shop and the isometric with welding map to the construction site; and arrange the weld map entering on the database.
- Coordinate with the QA for the preparation of the Test Packs according to Saudi Armco Standard.
- Estimate the test pack numbers in the project.
- Train the Draughtsman on the preparation of the piping Test Packs and coordinate with the main contractor for pipe isometric design error.