

101485-MEC-DEW-E-2004
Piping Design & Technical Office Engineer

Holds a B. Sc. in Mechanical Power Engineering and has about 8 years of work experience in mechanical construction and engineering of power plants, gas plants & infrastructure.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 02/05/1980
Marital Status : Married

EDUCATION

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

LANGUAGES

Arabic : Native Language
English : Excellent

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Access, Power Point), Internet
: Design 2D and 3D dwgs using CadWorx & AutoCAD
: Primavera (certified) for organizing, scheduling tasks and reporting
: Programming using Microsoft Visual Basic .net

TRAINING COURSES AND CERTIFICATIONS

: P&ID, equipment & steel structure 3D modeling using CadWorx 2012.
: Firefighting Applications & Design.
: Piping, equipment & steel structure 3D modeling using CadWorx 2010.
: Piping Stress Analysis by CAESAR II in American University of Cairo.
: Leadership & Organizations Behavior Course by CEDO.
: CSWIP Course 3.1 for welding inspection.
: Primavera Course by Information Systems Institute.
: C.C.C - Piping Isometrics detailing, Checking and Spooling using TALISO Program and standard codes.
: Belayim Petroleum Company / Abordeeth Site / Oil field.
: Belayim Petroleum Company / Abo Mady Site / Natural gas.
: Steam Power Plant (Shoubra El-Kheima), Cairo – Egypt.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Jun. 2010 till now
Employer : POWER SYSTEMS PROJECTS (PSP)
Projects :

- Banha Combined Cycle Power Plant (2x250MW + 1x150MW)
- Abu Qir Thermal Power Plant (2x650MW)
- 40MW Emergency Diesel Power Plant in Cameroon

Job title : Sr. Mechanical Engineer (piping/supports/valves)
Job Description :

- Develop detailed line classes.
- Manage the preparation of preliminary Material Take-offs (MTOs).
- Prepare the piping materials criteria.
- Upload and maintain material quantities and data into software.
- Prepare material requisitions, Request for Inquiry (RFIs) and Requests for Quotation (RFQs).
- Prepare evaluation report for received offers.
- Coordinate requisitioning and RFPs in support of Required at Site (RAS) dates.
- Prepare and maintain a piping materials catalogue in support of global procedures and conventions.
- Prepare material line classes to support 3D design software (CadWorx).
- Prepare technical bid evaluations and recommendations.
- Manage material quantities for shortages/surpluses.
- Manage change orders by RFP revision.
- Check isometrics, support drawings and BOMs.
- Check valve list against P&ID.
- Perform final material reconciliation.
- Manage transition from material quantity management by bulk download to isometric BOM.
- Prepare specialty item lists.
- Identify scope change and prepare trends and DCNs.
- Attend departmental project meetings.

Dates : From Apr. 2009 till Jun. 2010
Employer : KAHROMICA
Project : Cairo West Thermal Power Plant (2x350MW)
Job title : Sr. Mechanical Engineer (piping)
Job Description :

- Leading team of piping engineers, draftsman and modelers in the project.
- Establish piping (critical & non-critical) fabrication and erection plan.
- Supervise on piping fabrication and erection works.
- Monitor the progress of project work with respect to schedule.
- Assign scope and responsibilities to piping family.
- Provide management reports as required.
- Provide supervision, direction and support for all Piping personnel.
- Arrange all facilities like tools, equipment & manpower to keep work going smooth.
- Monthly evaluation of man power and cost control.
- Report change notice and calculate back charges as per project contract.

- Knowledge of codes & standards of ASME, ASTM, API & PFI.
- Coordination with QC and HSE team for quality inspection and HSE measures.
- Establishing & supervise Test Pack & Hydro test Departments.

Dates	:	From Sep. 2006 till Mar. 2009
Employer	:	Consolidated Contractors Company (C.C.C.)
Projects	:	<ul style="list-style-type: none"> • Khursaniyah Gas Plant • Rabigh Thermal Power Plant (5x120MW)
Job title	:	Mechanical Engineer (piping/hydro-test)
Job Description	:	<p><u>As Technical Office Engineer (Test Pack):</u></p> <ul style="list-style-type: none"> • Follow up test pack preparation and assigning work priorities. • Track problems related to test pack, ISOs, P&ID & as built. • Use 3d model program to solve ISO & P&ID queries. • Follow up & revise Isometric drawing detailing and spooling. • Provide technical support for construction and hydro-test. • Make MTO & Control permanent material issue to site. • Coordinate daily meetings to follow up priority test packs. <p><u>As Hydro-Test Engineer:</u></p> <ul style="list-style-type: none"> • Mechanical completion inspection of piping as per drawings. • Prepare required materials and fabricate fittings required for the test according to Standard code and test pack specifications. • Supervise the preparation and the execution of hydro-test as per test pack limits and specifications. • Checking & recovering of fluid leakage for retest. • Make requests for inspection for witnessing pneumatic or hydrostatic test. • Daily meetings with Main contractor to follow up the test pack and test status. • Prepare schedules, reports and update test pack status. • Pipe flushing and reinstatement of the pipeline after finalize the testing. • Complete test pack documentation related to pressure test. • Coordination with QC and HSE team for quality inspection and HSE measures. <p><u>As Piping Engineer (Construction):</u></p> <ul style="list-style-type: none"> • Follow up piping material, scaffolding, rigging, fabrication, erection and welding. • Erection as per ISO and P&ID otherwise submit as built drawing. • Visual inspection of piping, welding joints and making punch list as per test pack. • Daily progress report of piping fit up, bolting and screwed connections. • Submit of erection problems & suggested solutions to Main Contractor. • Submit reports required by management. • Coordination with QC and HSE team for quality inspection and HSE measures.

Dates	:	From Aug. 2004 till Aug. 2006
Employer	:	ELECTRO-MECHANICAL OPERATIONS (Emoco)
Projects	:	Sport Clubs, Malls, Factories, Schools, etc.

- Job title** : Electro-Mechanical Engineer (Plumbing, Firefighting & Swimming pools) in Design, Engineering & Tendering/T.O. dept.
- Job Description** :
- Selection of mechanical equipments and piping.
 - Request quotations from suppliers & review if matching with project specs.
 - Design general arrangement layouts and P&ID.
 - Preparing the technical and financial offer.
 - Supervise construction works and provide technical support.
- Field of experience** :
- Knowledge of International Standards: API, ASME, ANSI, ASTM, AWWA & NFPA.
 - Experience with Power Plants & Natural Gas Distribution Piping Systems.
 - Familiar with engineering documentation pertaining to mechanical / piping.
 - Familiar with Pgesco & Aramco specs.
 - Familiar with relevant engineering software e.g. AutoCAD, CAESAR II, CadWorx, etc.
 - Design and drafting of fire fighting systems.
 - Coordination with QC and HSE team for quality inspection and HSE measures.
 - I had several positions that give me experience from different angles as followed:
 - Sr. Mechanical Engineer (piping, pipe supports & valves).
 - Office Piping Engineer (Test pack – Spooling – Material - Design & QS).
 - Site Piping Engineer (Construction – Hydro-Test & Technical support).
 - Electro-Mechanical Engineer (firefighting – plumbing & swimming pools).