

101484-MEC-DEW-E-2007
Piping Design & Technical Office Engineer

Holds a B. Sc. in Mechanical Power Engineering and has about 6 years hands-on experience working as Piping Design and Technical Office Engineer in several Power Plants.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 05/02/1983
Gender : Male
Marital Status : Married
Residence : Giza, Cairo

EDUCATION

: B. Sc. in Mechanical Power Engineering, Benha University, 2007

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

: Windows, MS Office, Internet
: CADWORX – CADWORX modules like: Piping, Equipment, Steel Structure, P&ID
: PDMS – PDMS modules like: Design, Paragon, Specon, Draft, Isodraft, Lexicon, Propcon, Admin
: MDS (Multi Discipline Support) – Beginner
: ADP (Automatic Drawing Production) – Beginner
: Final Designer (link between PDMS and AutoCAD) – Beginner
: PML (Programmable Macro Language) – Beginner
: CAEPIPE (stress analysis program)
: AutoCAD 2D

TRAINING COURSES AND CERTIFICATIONS

: Qualification Certificate Welding Inspector from the Egyptian Welding Academy (EWA) in Non Destructive Testing (N.D.T.):

- Visual Inspection Method (VT).
- Liquid Penetrate Method (PT).

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Apr. 2013 till now
Employer : EGYPTROL
Project : MARSA MATROUH DESALINATION PLANT (24000 M3/DAY)
Job title : Technical Office Engineer
Job Description :
 - Preparing the RFQ for piping, fitting and support.
 - Preparing the RFQ for all Valves.
 - Preparing the BOQ for piping, fitting and support from price schedules with full description.
 - Preparing the BOQ for all Valves from price schedules with full description.
 - Receive all offers from suppliers and check technical data.
 - Make all P&IDs and the Process Calculations.
 - Make a design for all isometrics drawing.
 - Preparing all isometrics fabrication shop drawing (Spooling).
 - Preparing all MTO for the Project.
 - Make welding map for all piping lines.
- Dates** : From Oct. 2012 till Apr. 2013
Employer : EGYPTROL
Project : EL AIN EL SOKHNA SUPER CRITICAL THERMAL POWER PLANT (2x650MW SIMPLE CYCLE)
Job title : Technical Office Engineer
Job Description :
 - Preparing the BOQ for piping, fitting and support from price schedules with full description.
 - Preparing all isometrics fabrication shop drawing (spooling).
- Dates** : From Apr. 2010 till Sep. 2012
Employer : PSP (Power System Projects)
Project : Abu Qir Thermal Power Plant (2x650MW Steam Simple Cycle)
Job title : Technical Office Engineer
Job Description :
 - Preparing the RFQ for piping, fitting and support.
 - Preparing the RFQ for all valves.
 - Preparing the BOQ for piping, fitting and support from price schedules with full description.
 - Preparing the BOQ for all valves from price schedules with full description.
 - Receive all offers from suppliers and check technical data.
 - Receive all change notes from PGESCo and estimate it.
 - Receive all P&IDs and ISOs from PGESCo and check it with what anew data.
 - Preparing all isometrics fabrication shop drawing.
 - Receive all MTO updated from PGESCo and compare it with BOQ.
 - Make welding map for non critical systems.

Dates : From May 2011 till Sep. 2011
Employer : PSP (Power System Projects)
Project : 40MW (TOTAL) Emergency Diesel Power Plant at BAMENDA, MBALMAYO and EBOLOWA Sites – CAMEROON
Job title : Piping Design Engineer
Job Description :

- Review and check the Isometric for the Large Bore and Small bore.
- Prepare and review the MTO and the Support List report from the CADWORX.
- Design and produce piping isometric from PIDs on CADWORX.
- Looking for and update the spec. on CADWORX.

Dates : From May 2009 till Apr. 2010
Employer : Kahromika
Project : Cairo West Thermal Power Plant (2x350MW Steam Simple Cycle)
Job title : Technical Office Engineer
Job Description :

- Prepare the schedule of installation for ST.ST, piping & pressure parts.
- Preparing lifting plan for heavy parts & design calculation for temporary attachment.
- Calculate the progress for all items.
- Preparing invoices.
- Calculate the cost for additional work.
- Preparing the monthly report.
- Extract all drawing details to help the construction team.
- Review all application drawing by comparing design drawing with workshop & site drawing.
- Prepare the Test Pack for the Hydro test.
- Make all isometric for temporary lines for the Hydro test of Boiler (by PDMS software).
- Prepare the stress analysis Report for Pressurized lines (300 bars) (by capipe software).
- Make all isometric for temporary lines for the Chemical Cleaning of Boiler (by PDMS software).

Dates : From Apr. 2008 till Apr. 2009
Employer : Evrmac Co.
Projects :

- El-Atf Combined Cycle Power Station (3x250MW)
- Sidi Krir Combined Cycle Power Station (3x250MW)
- Nubaria II Combined Cycle Power Station (3x250MW)
- El-Tebbin Thermal Power Plant (2x350MW Steam Simple Cycle)
- Cairo West Thermal Power Plant (2x350MW Steam Simple Cycle)

Job titles : Piping Design Engineer for Small Bore Piping (Critical and Non Critical), PDMS SPECIALIST and PDMS TRAINER
Job Description :

- Review and check the Isometric for the Small bore.
- Prepare and review the MTO and the Support List report from the PDMS.
- Design and produce piping isometric from PIDs on PDMS.
- Monitoring and update the material on paragon.
- Looking for and update the spec. on paragon and Specon.
- Monitoring the all project design progress.

- Coordinate with PGESCO and Main contractor for missing data and discrepancy.
- Prepare Stress Analysis Report for the critical pipes using Caepipe.
- Rout and prepare the Isometric for the Stress analysis lines using PDMS.

Dates : From Sep. 2007 till Mar. 2008

Employer : Public Company for Research and Groundwater (Regwaa)

Job Description :

- Maintenance, replacement and renovation of drinking water plants.
- Review and check all Isometric from owner.
- Prepare and review the MTO.
- Prepare and review all as built drawing.