

# Ahmed Mohamed Khiry

## 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** : MARSА MATROUH DESALINATION PLANT (24000 M3/DAY)  
**Job title** : Technical Office Engineer  
**Job Description** :

- Preparing the RFQ for piping, fitting and support, valves.
- Evaluate suppliers and check technical data.
- Prepare P&IDs and the Process Calculations.
- Make a design for all piping isometrics drawing and 3D Model.
- 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.