

Holds a B. Sc. in Mechanical Power Engineering and has over 12 years hands-on experience working as Piping Section Head, 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 : El-Obour

## **EDUCATION**

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

## **LANGUAGES**

Arabic : Native Language  
English : Good

## **COMPUTER SKILLS**

: Windows, MS Office, Internet  
: Plant 3D – Plant 3D modules like: Piping, Equipment, Steel Structure, P&ID  
: 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 Dec. 2019 till now  
**Employer** : [EGYPTROL](#)  
**Project** : El Sewedy – PSP - Al Layyah CCPP Small Bore Piping design (1000MW)  
**Job title** : Piping Section Head  
**Job Description** :

- Preparing the 3D Model.
- Preparing the Isometrics Drawings.
- Preparing the Piping Arrangement Drawing.
- Preparing the Layout Drawing.
- Preparing the BOQ for piping, fitting and valves.

**Dates** : From Nov. 2019 till now  
**Employer** : [EGYPTROL](#)  
**Project** : Korra Energi - EPC of Gas Compression Plant at Badr El Din 1 Field  
**Job title** : Piping Section Head  
**Job Description** :

- Preparing the 3D Model.
- Preparing the Isometrics Drawings.
- Preparing the Piping Arrangement Drawing.
- Preparing the Layout Drawing.
- Preparing the BOQ for piping, fitting and valves.

**Dates** : From Mar. 2019 till Dec. 2019  
**Employer** : [EGYPTROL](#)  
**Project** : UNATRAC - DORC Genset PP – Lagos, Nigeria (1x14.5MW)  
**Job title** : Piping Section Head  
**Job Description** :

- Preparing the 3D Model.
- Preparing the Isometrics Drawings.
- Preparing the Piping Arrangement Drawing.
- Preparing the Layout Drawing.
- Preparing the BOQ for piping, fitting and valves.

**Dates** : From Apr. 2019 till Jan. 2020  
**Employer** : [EGYPTROL](#)  
**Project** : Mantrac - CHP Biogas Genset PP (2x5MW)  
**Job title** : Piping Section Head  
**Job Description** :

- Preparing the 3D Model.
- Preparing the Isometrics Drawings.
- Preparing the Piping Arrangement Drawing.
- Preparing the Layout Drawing.
- Preparing the BOQ for piping, fitting and valves.

**Dates** : From Nov. 2018 till Dec. 2019  
**Employer** : [EGYPTROL](#)  
**Project** : El Sewedy – PSP - Assiut CP-118 Small Bore Piping design (1x650MW)  
**Job title** : Piping Section Head

**Job Description** : 

- Preparing the 3D Model.
- Preparing the Isometrics Drawings.
- Preparing the Piping Arrangement Drawing.
- Preparing the Layout Drawing.
- Preparing the BOQ for piping, fitting and valves.

**Dates** : From Feb. 2018 till Apr. 2018

**Employer** : [EGYPTROL](#)

**Project** : Sapesco - ANRPC steam blow

**Job title** : Piping Section Head

**Job Description** : 

- Preparing the 3D Model.
- Preparing the Isometrics Drawings.
- Preparing the Piping Arrangement Drawing.
- Preparing the Layout Drawing.
- Preparing the BOQ for piping, fitting and valves.

**Dates** : From Mar. 2018 till May 2018

**Employer** : [EGYPTROL](#)

**Project** : REPLACEMENT & REHABILITATION OF THE BOILER FEED PUMPS FOR ABU SULTAN POWER STATION UNIT 2 (115MW)

**Job title** : Piping Section Head

**Job Description** : 

- Preparing the 3D Model.
- Preparing the Isometrics Drawings.
- Preparing the Piping Arrangement Drawing.
- Preparing the Layout Drawing.
- Preparing the BOQ for piping, fitting and valves.

**Dates** : From Jul. 2017 till Jun. 2018

**Employer** : [EGYPTROL](#)

**Project** : Unatrac - Sokoto Nigeria 30MW Diesel Plant

**Job title** : Piping Section Head

**Job Description** : 

- Preparing the 3D Model.
- Preparing the Isometrics Drawings.
- Preparing the Piping Arrangement Drawing.
- Preparing the Layout Drawing.
- Preparing the BOQ for piping, fitting and valves.

**Dates** : From Mar. 2017 till Jul. 2017

**Employer** : [EGYPTROL](#)

**Project** : SDX & Upstream Advisors - Meseda Field

**Job title** : Piping Section Head

**Job Description** : 

- Preparing the 3D Model.
- Preparing the Isometrics Drawings.
- Preparing the Piping Arrangement Drawing.
- Preparing the Layout Drawing.
- Preparing the BOQ for piping, fitting and valves.

**Dates** : From Jul. 2017 till Jan. 2018  
**Employer** : [EGYPTROL](#)  
**Project** : EMC - Petrosannan 2 Gas Compressors  
**Job title** : Piping Section Head  
**Job Description** :

- Preparing the 3D Model.
- Preparing the Isometrics Drawings.
- Preparing the Piping Arrangement Drawing.
- Preparing the Layout Drawing.
- Preparing the BOQ for piping, fitting and valves.

**Dates** : From Jul. 2017 till Jan. 2018  
**Employer** : [EGYPTROL](#)  
**Project** : EMC - Petrosannan 2 Gas Compressors  
**Job title** : Piping Section Head  
**Job Description** :

- Preparing the 3D Model.
- Preparing the Isometrics Drawings.
- Preparing the Piping Arrangement Drawing.
- Preparing the Layout Drawing.
- Preparing the BOQ for piping, fitting and valves.

**Dates** : From Mar. 2017 till Dec. 2018  
**Employer** : [EGYPTROL](#)  
**Project** : EMC - WEPCO 2 Gas Engines  
**Job title** : Piping Section Head  
**Job Description** :

- Preparing the 3D Model.
- Preparing the Isometrics Drawings.
- Preparing the Piping Arrangement Drawing.
- Preparing the Layout Drawing.
- Preparing the BOQ for piping, fitting and valves.

**Dates** : From Dec. 2016 till Feb. 2017  
**Employer** : [EGYPTROL](#)  
**Project** : Abu Qir REPLACEMENT & REHABILITATION OF THE BOILER FEED WATER PUMPS FOR Unit (7)  
**Job title** : Piping Section Head  
**Job Description** :

- Preparing the 3D Model.
- Preparing the Isometrics Drawings.
- Preparing the Piping Arrangement Drawing.
- Preparing the Layout Drawing.
- Preparing the BOQ for piping, fitting and valves.

**Dates** : From Jan. 2016 till Sep. 2018  
**Employer** : [EGYPTROL](#)  
**Project** : Abu Qir REPLACEMENT & REHABILITATION OF THE BOILER FEED WATER PUMPS FOR Unit (2)  
**Job title** : Piping Section Head

**Job Description** : 

- Preparing the 3D Model.
- Preparing the Isometrics Drawings.
- Preparing the Piping Arrangement Drawing.
- Preparing the Layout Drawing.
- Preparing the BOQ for piping, fitting and valves.

**Dates** : From Jun. 2016 till Jul. 2017

**Employer** : [EGYPTROL](#)

**Project** : Airliquide - Sidpec CO2 Plant

**Job title** : Piping Section Head

**Job Description** : 

- Preparing the 3D Model.
- Preparing the Isometrics Drawings.
- Preparing the Piping Arrangement Drawing.
- Preparing the Layout Drawing.
- Preparing the BOQ for piping, fitting and valves.

**Dates** : From Feb. 2016 till Aug. 2016

**Employer** : [EGYPTROL](#)

**Project** : Airliquide - JUSHI Sokhna VSA

**Job title** : Piping Section Head

**Job Description** : 

- Preparing the 3D Model.
- Preparing the Isometrics Drawings.
- Preparing the Piping Arrangement Drawing.
- Preparing the Layout Drawing.
- Preparing the BOQ for piping, fitting and valves.

**Dates** : From Dec. 2015 till Nov. 2016

**Employer** : [EGYPTROL](#)

**Project** : AL FARFRA DIESEL POWER STATION (4x4MW)

**Job title** : Piping Design Engineer

**Job Description** : 

- Preparing the 3D Model.
- Preparing the Isometrics Drawings.
- Preparing the Piping Arrangement Drawing.
- Preparing the Layout Drawing.
- Preparing the BOQ for piping, fitting and support.

**Dates** : From Oct. 2015 till Nov. 2015

**Employer** : [EGYPTROL](#)

**Project** : REPLACEMENT & REHABILITATION OF THE BOILER FEED PUMPS FOR ABU SULTAN POWER STATION UNIT 4 (115MW)

**Job title** : Piping Design Engineer

**Job Description** : 

- Preparing the 3D Model.
- Preparing the Isometrics Drawings.
- Preparing the Piping Arrangement Drawing.
- Preparing the Layout Drawing.
- Preparing the BOQ for piping, fitting and support.

**Dates** : From Jul. 2015 till Sep. 2015  
**Employer** : [EGYPTROL](#)  
**Project** : SHOUBRAH EL-KHEIMA POWER STATION – REPLACEMENT & REHABILITATION OF THE FIRE FIGHTING NETWORK  
**Job title** : Piping Design Engineer  
**Job Description** :

- Preparing the 3D Model.
- Preparing the Isometrics Drawings.
- Preparing the Piping Arrangement Drawing.
- Preparing the Layout Drawing.
- Preparing the BOQ for piping, fitting and support.

**Dates** : From Apr. 2015 till Jun. 2015  
**Employer** : [EGYPTROL](#)  
**Project** : AMERICAN EMBASSY IN IRAQ STAND BY GENERATORS (10x4MW)  
**Job title** : Piping Design Engineer  
**Job Description** :

- Preparing the 3D Model for Foul oil and cooling water systems only.
- Preparing the Isometrics Drawings.
- Preparing the Piping Arrangement Drawing.
- Preparing the Layout Drawing.
- Preparing the BOQ for piping, fitting and support.

**Dates** : From Jan. 2015 till Mar. 2015  
**Employer** : [EGYPTROL](#)  
**Project** : JABAL OMER DEVELOPMENT PROJECT – MAKKAH MUKARRAMAH K.S.A (DCP 10,000TR EXTENSION)  
**Job title** : Piping Design Engineer  
**Job Description** :

- Preparing the 3D Model.
- Preparing the Isometrics Drawings.
- Preparing the Piping Arrangement Drawing.
- Preparing the Layout Drawing.
- Preparing the BOQ for piping, fitting and support.

**Dates** : From Sep. 2014 till Dec. 2014  
**Employer** : [EGYPTROL](#)  
**Project** : TENDER OF AL-SHABAB AND WEST DAMIETTA POWER PROJECT PHASE II CONVERTING EXISTING SIMPLE CYCLE TO COMBINED CYCLE (3x250MW)  
**Job title** : Technical Office Engineer  
**Job Description** :

- Preparing the MTO for piping, fitting and support from the drawing with full description.
- Follow up the preparing of Potable Water system (Drawings and MTO).
- Follow up the preparing of Drainage system (Drawings and MTO).
- Follow up the preparing of Irrigation system (Drawings and MTO).
- Follow up the preparing of Fire Fighting system (Drawings and MTO).
- Follow up the preparing of Air Condition system (Drawings and MTO).

**Dates** : From Jan. 2014 till Aug. 2014  
**Employer** : [EGYPTROL](#)

**Project** : TENDER OF SOUTH HELWAN SUPERCRITICAL THERMAL POWER PLANT (3x650MW SIMPLE CYCLE)  
**Job title** : Technical Office Engineer  
**Job Description** :

- Preparing the MTO for piping, fitting and support from the drawing with full description.
- Follow up the preparing of Potable Water system (Drawings and MTO).
- Follow up the preparing of Drainage system (Drawings and MTO).
- Follow up the preparing of Irrigation system (Drawings and MTO).
- Follow up the preparing of Fire Fighting system (Drawings and MTO).
- Follow up the preparing of Air Condition system (Drawings and MTO).

**Dates** : From Nov. 2013 till Dec. 2013

**Employer** : [EGYPTROL](#)

**Project** : SAHL HASHISH REVERSE OSMOSIS DESALINATION PLANT (Extension from 10000 to 14000 M3/DAY)

**Job title** : Piping Design & Technical Office Engineer

**Job Description** :

- Preparing all Piping isometrics drawing.
- Preparing isometrics fabrication shop drawing (spooling).
- Preparing all Piping Layout drawing.
- Preparing all Piping Support drawing.
- Preparing all P&IDs and the Process Calculations.
- Preparing the MTO for piping, fitting and support.
- Preparing the MTO for all Valves.
- Preparing the BOQ for piping, fitting and support with full description.
- Preparing the BOQ for all Valves with full description.
- Receive all offers from suppliers and check technical data.
- Preparing the As Built drawing.
- Supervise the Mechanical works on the site.

**Dates** : From Jan. 2013 till Oct. 2013

**Employer** : [EGYPTROL](#)

**Project** : MARSА MATROUH DESALINATION PLANT (24000 M3/DAY)

**Job title** : Piping Design & Technical Office Engineer

**Job Description** :

- Preparing all Piping isometrics drawing.
- Preparing isometrics fabrication shop drawing (spooling).
- Preparing all Piping Layout drawing.
- Preparing all Piping Support drawing.
- Preparing all P&IDs and the Process Calculations.
- Preparing the MTO for piping, fitting and support.
- Preparing the MTO for all Valves.
- Preparing the BOQ for piping, fitting and support with full description.
- Preparing the BOQ for all Valves with full description.
- Receive all offers from suppliers and check technical data.
- Preparing the As Built drawing.
- Supervise the Mechanical works on the site.

**Dates** : From Oct. 2012 till Jan. 2013

**Employer** : Techint

- 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.