

Holds a B. Sc. in Mechanical Power Engineering and has over 3 years hands-on experience, including 1 year working as Piping Design Engineer.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 19/02/1993  
Gender : Male  
Marital Status : Married  
Residence : Cairo

## EDUCATION

: B. Sc. in Mechanical Power Engineering, Helwan University, 2014  
: Pre-M. Sc. in Mechanical Power Engineering, Benha University

## LANGUAGES

Arabic : Native Language  
English : Very Good

## COMPUTER SKILLS

: Windows, MS Office, Internet  
: 3D Modeling Software (CAD 3D Plant, PDMS, E3D)  
: Solid Works (Modeling & Simulation)  
: AutoCAD 2D  
: Autodesk Navisworks manage & Review Tool  
: Micro-station  
: Ansys

## CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From Nov. 2018 till now  
**Employer** : [EGYPTROL](http://www.egyptrol.com)  
**Project** : Design of Small Bore Piping Systems (Critical and Non-Critical) CP-118 at Assiut Supercritical Power Plant 1x650MW  
**Job title** : Piping Design Engineer  
**Job Description** :

- Design and produce Piping isometric's from PIDs on AutoCAD 3D Plant Software for many systems such (WB – SB – WS – SA - FOI - AR – PG and PI).

- Design and produce Material take-Off and Bill Of Quantities (MTO – BOQ's).
- Coordinate with other disciplines (civil, electrical, process, Inst.) to handle any interfering tasks.
- Coordinate with PGESCO and Main contractor for missing data and Conflict.
- Rout and prepare the Isometric's for the Stress analysis lines.

**Dates** : From Feb. 2018 till May 2018  
**Employer** : [EGYPTROL](http://www.egyptrol.com)  
**Project** : Rehabilitation & Renewal of Boiler Feed Water Pumps in ABU Sultan Power Plant Unit 2  
**Job title** : Piping Design Engineer  
**Job Description** :

- Design and produce Piping isometric's for all lines connected on Main and Booster Pumps, General Arrangements and MTO, BOQ'S.
- As-Built Piping isometric's DWG's.

**Dates** : From Dec. 2017 till Jun. 2018  
**Employer** : [EGYPTROL](http://www.egyptrol.com)  
**Project** : Rehabilitation & Renewal of Boiler Feed Water Pumps in ABU Qir Power Plant Unit 2  
**Job title** : Piping Design Engineer  
**Job Description** :

- Design and produce Piping isometric's for all lines connected on Main and Booster Pumps, General Arrangements and MTO, BOQ'S.
- As-Built Piping isometric's DWG's.

**Dates** : From Mar. 2018 till Jul. 2018  
**Employer** : [EGYPTROL](http://www.egyptrol.com)  
**Project** : Fire Fighting Network Design for Gabal El-Zeit  
**Job title** : Piping Design Engineer  
**Job Description** : Design and produce General Arrangements and MTO, BOQ'S for Pumps Room.

**Dates** : From Feb. 2016 till Oct. 2017  
**Employer** : Alsalam Higher Institue for Engineering & Technology  
**Job Description** : Teaching Assistant for (Fluid Mechanins - Heat Transfer - Turbo machinery - ...).

**Field of experience** : Piping Design and Plant Layout:

- Awareness of international design codes, standards, and specifications such (ASME, ANSI, ..St).
- Process and power piping design including supporting system using 3D Modeling programs (AutoCAD 3D Plant - AVEVA PDMS – AVEVA Every Thing 3D (E3D).
- Prepare piping and layout related drawings and documents such as: Isometrics – MTO & BOQ – Overall Piping & Equipment arrangement.
- Familiar with input documents utilized in piping design and plant layout such as: P&ID, PFD, line list, Valve list Engineering specs, Piping class

spec., Std pipe supports spec., Equipment vendor DWG's & tech specs.

- Coordinate with other disciplines (civil, electrical, process, Inst.) to handle any interference or clashes by Navisworks manage Tool.
- Familiar with execute Rendered photos and videos from Navisworks manage Tool.
- Very good knowledge in using PDMS Software modules to build plant 3D model (modules: piping, equipment, steel).
- Very good knowledge in using E3D Software in (Piping Module).
- Skilled in using AutoCAD Plant 3D Software & AutoCAD Report Creator and AutoCAD 2D.