

Holds a B. Sc. in Mechanical Power Engineering and has about 11 years hands-on experience working as Piping Design Engineer on PDMS, PDS & SPR / Piping Site Engineer / Technical Office Engineer.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 30/03/1981  
Gender : Male  
Marital Status : Married  
Residence : Cairo

## EDUCATION

: B. Sc. in Mechanical Power Engineering, Banha University, 2008

## LANGUAGES

Arabic : Native Language  
English : Good

## COMPUTER SKILLS

: Windows, MS Office (Word, Excel), Internet  
: Smart Plant Review (SPR)  
: Plant Design Management System (PDMS)  
: Plant Design System (PDS)

## CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From Jan. 2016 till now  
**Employer** : Elsewedy Electric – PSP  
**Project** : Beni Suef Power Plant Combined Cycle (4800MW)  
(8 Gas Turbines, 8 HRSG and 4 Steam Turbines)  
**Job title** : Senior Mechanical Technical Office Engineer  
**Job Description** :

- Review and recommend changes underground composite plan.
- Receiving the design documents (Technical specifications, Bill of Quantities, and Drawings) from the engineering department.
- Review all design documents and discuss with the Lead Engineer any technical issues.
- Review and follow the project schedule.
- Supervise and/or coordinate staff.

- Direct involvement in implementation and evaluation.
- Review the subcontract request (SCR) and issue to the PM and procurement to get offers.

**Dates** : From Apr. 2015 till Oct. 2015  
**Employer** : BANWH Contracting Company (KSA)  
**Job title** : Mechanical Site Engineer  
**Job Description** :

- Nagran University:
  - Construction of Water tank, pumps, for 78 building.
- Gazan Faculty of Technical:
  - Follow up for pipes, feed water pipes and tanks.
  - Follow up Air condition and fire fighting connections.

**Dates** : From Oct. 2013 till Mar. 2015  
**Employer** : EL FATIMYA Contracting Company (EGY)  
**Job title** : Mechanical Site Engineer  
**Job Description** :

- National Bank of Egypt (15 th May branch):
  - Working as HVAC Site Engineer DX 2\*21.5T.R. Concealed 2\*3T.R. and duct works.
- National Bank of Egypt (Tanta branch and Haram branch):
  - Installation several Air condition 18 Split units and fire fighting (fire hose connection, semis connection, etc.....).
- National Bank of Egypt (North Tower) (Air condition):
  - Working as a Piping Site Engineer for Replacement and renewal of chilled water piping and duct works.
- Mavida (New Cairo) (Fire Pumps):
  - Working as a Piping Site Engineer for erection for pipes in pump rooms.

**Dates** : From Sep. 2010 till Sep. 2013  
**Employer** : CB&I - Chicago Bridge & Iron  
**Job title** : Piping Design Engineer  
**Job Description** : Oil and Gas:

- Cartagena Refinery Expansion Project (Reficar):  
Assigned to work in Cartagena Refinery Expansion Plant Project – USA, Houston Project (Detail Project):
  - As Piping Design Engineer review vendor documents and dialed with 3D modeling piping using PDS with CBI standards.
  - As a Plot Plan Designer, independently develops complex plot plans and/or site plans, with the use of PFD's, process or mechanical datasheets, etc., in accordance with instructions, specifications, standards, HSE requirements, economics, ergonomics, constructability, operational and maintenance requirements, etc.
  - Resolve problems in 3D environment.
  - Prepare and participate in design reviews and other meetings.
  - AREA 191 and AREA 131 (UNIT 1, 2, 3):
    - Finishing Piping GA's by using MicroStation Bentley.
    - Prepare sections for areas using ORTHOGEN.
- SOTCO Project:

- Preparing MTO.
- CABINDA Project:
  - Preparing of drawing.
- GORGON Project:
  - Extract and output TEST BACK with UP LOAD SHEET, SLIP PLATE and PUNCH LIST.

**Dates** : From Jan. 2010 till Jun. 2010  
**Employer** : Initec Energia  
**Project** : Cairo West Thermal Power Plant  
**Job title** : Piping Site Engineer  
**Job Description** :
 

- Worked for INITEC Company to follow up the implementation of the designs EVRMAC Company.
- Complete the pipes design within the site and the work of AS BUILT.
- Solution of problems during the implementation, such as clash, etc.

**Dates** : From Oct. 2008 till Sep. 2010  
**Employer** : EVRMaC - AVEVA`s PDMS Representative in Egypt  
**Projects** :
 

- Nubaria III Thermal Power Station (2x350MW)
- Cairo West Thermal Power Station (2x350MW)
- El-Tebbin Thermal Power Station (2x350MW)
- Sidi Krir Power Station (750MW)
- El-Atf Power Station (750MW)

**Job title** : Piping Design Engineer  
**Job Description** :
 

- Prepare the plant piping design from P&IDs by PDMS.
- Critical piping stress analysis reports and supports selection.
- Special supports designs.
- Material Take-Off "MTOs", ISOs and as built drawing.
- Coordinate with main contractor for missing data and discrepancy.

**Field of experience** :
 

- About 11 years of experience with different piping systems in the field of Oil & Gas, Power Plants (Steam Power Plants, Gas Turbine Power Plants and Combined Cycle Power Plants).
- Piping Design Engineer (PDMS), (PDS) and (SPR) (5 years experience).
- Piping Site Engineer (2 years experience).
- Mechanical Technical Office Engineer (4 years experience).
- Using the 3D modeling systems (PDMS & PDS and SPR) and different related software such as Micro Station.
- Modeling of Piping, Equipment, Tanks, Drums, Structure etc... Extraction of Isometrics, MTOs & General Arrangement Drawings.
- Familiar with the international codes and standards such as ASME, API, ASTM.
- Responsible for gathering and tracking HOLD information required for project completion.
- Provide technical assistance to lower classified designers and drafters.
- Coordinate with the project piping lead for work progress and outstanding information.
- Assist with record keeping of changes received by piping during the piping process.

- Routing of piping systems using Plant Design Management System (PDMS).
- Routing of piping systems using plant Design System (PDS) and Micro station.
- Review piping using Smart Plant Review (SPR).
- Reviewing of isometric drawing.
- Design according to codes and standard.
- Coordinate with Other disciplines leads for design information circulation and drawings matching.
- Prepare Material take off (MTO) for all project stages.
- Responsible for preparation of plant layout, Key Plans and piping general arrangement drawings.
- Responsible for Preparation of orientation drawings of various equipments.
- Responsible for Preparation of piping Isometric drawings and MTO.
- Prepare of piping design Drawings and documents.
- Responsible for Review vendor drawings of various equipment and piping items.
- Install pump system (control zone, valves, fitting, pipes ...).
- Install air condition machine (concealed, package ...).