

Holds a B. Sc. in Mechanical Power Engineering and has over 9 years hands-on experience, including 5 years working as Piping Design Engineer.

## **PERSONAL DATA**

Nationality : Egyptian  
Birth Date : 30/09/1984  
Gender : Male  
Residence : Giza, Cairo

## **EDUCATION**

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

## **LANGUAGES**

Arabic : Native Language  
English : Fluent

## **COMPUTER SKILLS**

: Windows, MS Office (Word, Excel, Access, Power Point), Internet  
: PDS (Plant Design Software)  
: PDMS 12 (Plant Designs Management System)  
: AutoCAD Design Program  
: SP3D (Smart Plant 3D)  
: Micro-station Software  
: Navies Works

## **TRAINING COURSES AND CERTIFICATIONS**

: OSHA Construction Industry Safety and Healthy (30-Hours).  
: Visual (VT), Magnetic particles (MT) and Penetrant Test (PT) - LEVEL II.  
: ASME Code Section IX Welding and Brazing - AUC.

## **CHRONOLOGICAL EXPERIENCE RECORD**

**Dates** : From Jan. 2012 till now  
**Employer** : Engineering for the Petroleum & Process Industries (Enppi)  
**Job title** : Piping Design Engineer

- Job Description** :
- PHPC-BP / Atoll Development:
    - Designing and drafting, piping layout GA's, Isometric, MTO and coordination of other disciplines Model work avoiding clashes, guaranteeing suitable distances between equipment's, pipes and another facilities by using 3D software.
    - Pipe routing as per P&ID as per the studied piping layout & Generation of Piping Isometrics with clash & data Consistency check.
    - Generating equipment's Nozzle Orientation.
    - Preparing tie-in's list.
    - Reviewing Vendor Drawing Documents.
    - Participation in the preparation LTD (Line Designation Table).
    - Attend model review.
    - Prepare lesson learned report.
  - New Naphtha Complex (CCR):
    - Estimating MTO (Material Take off) from P&ID's.
    - Modeling piping and Mechanical Equipment's.
  - EthydcO / Egyptian Polyethylene Project:
    - Engineering support for construction piping activities.
    - Follow up with Operation team Reinstatement Punch list, MAC, DAC and SAC (Mechanical, Discipline and System Acceptance Certificate).
  - Khalda Petroleum Company - Qasr Gas Compression - Western Desert:
    - Engineering support for construction piping activities.
    - Follow up with Operation team Reinstatement Punch list, MAC, DAC and SAC (Mechanical, Discipline and System Acceptance Certificate).
  - BP - Gupco / Rehabilitation Project / Offshore Platforms:
    - Prepare single line pipe routing studies and Draw sketches of Existing pipe in the field.
    - Prepare piping general arrangement drawings, cross sections and isometrics.
    - Preparing tie-in's list.
    - Site survey on P&ID for Existing Platforms.
    - Participate in bill of material take off functions, including preparation of isometric take offs.
    - Follow up with construction team S.Q (Site Queries) and EWR (Emergent Work Request).
    - Issue job-cards (Construction, Destruction and Hydro-Test) according to NORM.
    - Engineering support for construction piping activities.
    - Prepare Constructability Review report.
    - Issue evaluation studies.
    - Prepare and issue hydro test waiver request.
    - Prepare Construction Work Packages.
  - BP - Bechtel / Rash Petco - Rosetta Field / (Appraisal Phase):
    - Prepare single line pipe routing studies and Draw sketches of Existing pipe in the field.
    - Prepare piping general arrangement drawings, cross sections and isometrics.
    - Preparing tie-in's list.
    - Site survey on P&ID for Existing Platforms.
    - Participate in bill of material take off functions, including preparation

- of isometric take offs.
- Follow up with construction team S.Q (Site Queries) and EWR (Emergent Work Request).
- Issue job-cards (Construction, Destruction and Hydro-Test) according to NORM.
- Engineering support for construction piping activities.
- Prepare Constructability Review report.
- Issue evaluation studies.
- Prepare and issue hydro test waiver request.
- Prepare Construction Work Packages.

**Dates** : From Jan. 2011 till Dec. 2011  
**Employer** : Orascom Construction Industrial (OCI)  
**Project** : Cephalosporin, Penicilin and Service Building (Medical Union Pharmaceuticals (MUP))  
**Job title** : Mechanical Quality Control Engineer  
**Job Description** :
 

- Receiving material and prepare MIR (Material Inspection Report).
- Inspection of installation of underground piping.
- Follow up Punch lists' items with Engineer (ECG) and Owner (MUP).

**Dates** : From Jul. 2009 till Dec. 2010  
**Employer** : ARCHIRODON CONSTRUCTION (OVERSEAS) Co. S.A.  
**Project** : Cairo West Thermal Power Plant Units 7 & 8 (2x350MW)  
**Job title** : Mechanical Quality Control Engineer  
**Job Description** :
 

- Inspection of installation firefighting & HVAC and plumping systems.
- Follow up Hydrostatic Test and Flushing Procedure.
- Follow up Punch lists' items with Engineer (PGESCo.) and Owner (CEPC).

**Dates** : From Dec. 2007 till Jun. 2009  
**Employer** : AES (Ali El SAIE Consulting Engineers) – UAE  
**Project** : Water Supply to Ghayathi and Hamra Military Camp  
**Job title** : Mechanical Engineer  
**Job Description** :
 

- Certified by the ADWEA as Mechanical Engineer.
- Review Mechanical shop drawings.
- Follow up site activities with the contractor for work handing over.

**Field of experience** :
 

- PDS, PDMS and SP3D.
- MTO.
- Construction.
- Vendor DWG.
- Piping stress.
- Design.
- Constructability.
- Green and Brown fields.
- Orientation.
- Offshore and onshore.