

Holds a B. Sc. in Mechanical Engineering and has over 6 years hands-on experience working in HVAC, plumbing, fire protection and equipment arrangement. Experience includes site engineer covers various types of buildings and developments such as residential, administrative, commercial, resorts/hotels, mosques, schools, universities education research facilities, Car services, show room, hospitals, etc. Experience includes discipline lead, calculations, drawings, specifications, procurement, reports and studies. Experience includes preparation of documents for bid, construction, estimating, procurement and studies.

## **PERSONAL DATA**

Nationality : Egyptian  
Birth Date : 25/08/1992  
Gender : Male  
Marital Status : Single  
Residence : Madinet Nasr, Cairo

## **EDUCATION**

: B. Sc. in Mechanical Engineering, Banha University, 2014

## **LANGUAGES**

Arabic : Native Language  
English : Good

## **COMPUTER SKILLS**

: Windows, MS Office (Word, Excel, Power Point), Internet  
: Revit (MEP)  
: AutoCAD  
: HAP  
: Duct Sizer

## **TRAINING COURSES AND CERTIFICATIONS**

: AutoCAD 2D  
: SOLID WORKS  
: CNC RTC  
: REVIT MEP  
: ICDL  
: HVAC (Basics).  
: HVAC (Advanced).

- : ASHRAE Applications.
- : Fire Fighting.
- : Training at Factory of 200 Military design, Maintenance (Mechanical Engineer) (Aug. 2011):
  - Design parts.
  - Maintenance machines.
- : Training at Dr. Ayman Consultant Office, MEP Designer, Site (Mechanical Engineer) (Aug. 2012):
  - Design mep (hvac-fire fighting-plumbing).
  - Monitor the implementation of the design.
- : Training at Sinotharwa Drilling Company, Maintenance (Mechanical Engineer) (Jul./Aug. 2013):
  - Maintenance and operation of pumps, valves and compressors lubricated parts.
  - Follow up generators and measurement of pressure and temperature and then notation and comparison with the critical.
  - Follow up filters and lubrication generators.

## CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Dec. 2017 till now
- Employer** : Dar Al-Handasah (Shair and Partners)
- Job Description** :
- Project management, planning.
  - Reviewing AUTOCAD detailed drawing in accordance to relative design standards and calculation.
  - Review which include coordination with other departments like electrical & plumbing & fire fighting to assure ease of installation.
  - Follow up the implementation and installation of ducts, and sometimes connecting water pipes.
  - Supervision (duct work, chilled pipes, firefighting pipes, fan coil, AHU, insulation and hook up).
  - Test duct work (light test).
  - Test chilled pipes and firefighting pipes (Pressure test).
  - Test water supply pipes and drainage.
  - Review of drainage pipe slope.

- Dates** : From Mar. 2017 till Nov. 2017
- Employer** : Subcontractor with Wrigley Company at Kenya (Multinational)
- Job Description** :
- Operation all equipment's of HVAC systems.
  - Test and balance (Air and water).
  - Systems contains balance valve (Chilled Water - Cooling tower - AHU - VAV - FCU - Heating system).
  - Air balance (JET Grill - Grill - Diffuser ).

- Dates** : From Jan. 2016 till Feb. 2017
- Employer** : Ravedo Consulting Office and Ratec Construction Company
- Job Description** :
- Project management, planning.
  - Review pamphlet specifications and comparing existing ores.
  - Mechanical Design Engineer (HVAC).

- Calculate ventilation and cooling load requirement for certain project using carrier HAP.
- Selection of suitable system for this specific application in accordance to international standards such as ASHREA & ARI.
- Design of air distribution system which include fans & duct & air lovers & dampers & air outlets pipe network design.
- Preparing and reviewing AUTOCAD detailed drawing in accordance to relative design standards and calculation.
- Selection of HVAC equipments such as FCU & AHU & Fans & Pumps & Chillers and Cooling tower.
- Review which include coordination with other departments like electrical & plumbing & fire fighting to assure ease of installation.
- Design fire fighting system includes sprinklers, pipes, tanks and pumps and the type of network pipes (water or co2 vsFM200).
- Supervision of all mechanical site activities (HVAC and firefighting).
- Review which include coordination with other departments like electrical & plumbing & fire fighting to assure ease of installation.
- Follow up the implementation and installation of ducts, and sometimes connecting water pipes.
- Supervision (duct work, chilled pipes, firefighting pipes, fan coil, AHU, insulation and hook up).
- Test duct work (smoke test).
- Ttest chilled pipes and firefighting pipes (Pressure test).

**Dates** : From Sep. 2014 till Dec. 2015

**Employer** : Arab Foundation for modern technique

**Job Description** :

- Mechanical Site Engineer (HVAC).
- Supervision of all mechanical site activities (HVAC and firefighting).
- Preparing and reviewing AUTOCAD detailed drawing in accordance to relative design standards and calculation.
- Selection of HVAC equipments such as FCU & AHU & Fans & Pumps & Chillers and Cooling tower.
- Shop drawings and coordination.
- Review which include coordination with other departments like electrical & plumbing & fire fighting to assure ease of installation.
- Follow up the implementation and installation of ducts, and sometimes connecting water pipes.
- Implementation fire fighting network include sprinklers, pipes, tanks and pumps and the type of network pipes (water or co2 vs FM200).

**ACCOMPLISHED PROJECTS:**

- PHAROS UNIVERSTY.
- MALL ADEL SOLIMAN (NAGIB EL RAHANY ST).
- TECH. VALLAGE ASSIUT.
- WRIGELY Factory (Nairobi - Kenya).
- Ministries district (cabinet and ministries and the parlament) (New Administrative Capital – Egypt).