

Holds a B. Sc. in Mechanical Power Engineering and has over 10 years hands-on experience working as HVAC Design & Technical Office Engineer.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 17/11/1983  
Gender : Male  
Marital Status : Married  
Residence : New Cairo

## EDUCATION

: B. Sc. in Mechanical Power Engineering, Helwan University, 2007  
: Secondary Education: El-Nozha Language School, Cairo, 2001

## LANGUAGES

Arabic : Native Language  
English : Very Good  
French : Basics

## COMPUTER SKILLS

: Windows, MS Office (Word, Excel), Internet  
: Carrier HAP  
: 2D CAD  
: Ducting  
: Piping  
: Photoshop  
: Revit MEP 2013  
: Navisworks

## TRAINING COURSES AND CERTIFICATIONS

: Revit MEP 2013 at MTC (Autodesk Authorized Training Center).  
: Medical Gases course at EH (Engineers' House).  
: Plumbing course at EH (Engineers' House):

- Water Supply Network.
- Drainage network.
- Storm water.

- Gray Water System.
- Hot water supply system.
- Design of swimming pools.
- Introduction to fountain design.

## CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From May 2017 till now
- Employer** : Hassan Allam Constructions (HAC), Cairo
- Project** : Al Bouroj
- Job title** : Senior Technical Office Mechanical Engineer
- Job Description** : All Mechanical Tech. Office teamwork responsibilities, such as:
- Review Design.
  - Preparing necessary RFIs.
  - Preparing Shopdrawings.
  - Preparing Material Submetals.
  - Preparing P.Os.
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- Dates** : From Jul. 2016 till May 2017
- Employer** : Saudi Binladin Group (SBG), Cairo
- Job title** : Technical Office Mechanical Engineer
- Job Description** :
- Responsibilities (Mechanical Dept.) – Shop Drawing Team Leader:
    - Review modeling with design drawings.
    - Review shop drawings.
    - Coordinate with all dep. to solve issues.
    - Follow up with shopdrawing team to reach highest quality.
  - Responsibilities (BIM Dept.):
    - Preparing Clash test reports for all Departments using Autodesk Navisworks Manage.
    - Revising Shopdrawings and Model Produced by our Mechanical Dept.
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- Dates** : From Nov. 2015 till Apr. 2016
- Employer** : Saudi Binladin Group (SBG), KSA
- Project** : KAP 3 – El Badaa (Police Station)
- Job title** : Technical Office Mechanical Engineer
- Job Description** :
- Review Design Drawings.
  - Preparing necessary RFI to Consultant.
  - Review ShopDrawing with Arch. modifications.
  - Provide technical assistance to the construction team as needed.
  - Review BOQ and QS.
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- Dates** : From Oct. 2014 till Oct. 2015
- Employer** : Orascom Construction Industries (OCI), Cairo
- Projects** :
- Ministry of Interior at Police Academy (New Cairo)
  - Villa of Minister of the Interior at Police Academy (New Cairo)

**Job title** : Technical Office Mechanical (HVAC) Engineer  
**Job Description** :

- Review HVAC Design which prepared by Consultant.
- Preparing necessary RFI to Consultant.
- Review HVAC Design with each Arch. modifications.
- Review HVAC ShopDrawing submitted by shopdrawing subcontractor.
- Review Coordination ShopDrawing submitted by shopdrawing subcontractor.
- Review ShopDrawing with Arch. modifications.
- Review material submittals submitted by suppliers.
- Provide technical assistance to the construction team as needed.
- Review BOQ and QS.

**Dates** : From May 2008 till Oct. 2014

**Employer** : HNS Group, Cairo

**Projects** :

- Sun City Mall:  
The site development is to include the following:
  - Seven Floors each 26000 m<sup>2</sup>
  - Hotel 24 Bed room over 2 levels
  - 16 Cinema hall 5800 m<sup>2</sup>
  - 350 Rental Shops
  - 8100 Ton ref. HVAC Plant room
  - 5 Electrical sup station (26 MVA)
  - 1500 GPM fire pump room
- Other HNS Projects (Residential Buildings):  
The site development is to include the following:
  - Rental Shops
  - Residential flats
  - HVAC Plant room

**Job title** : Technical Office Mechanical HVAC Engineer

**Job Description** :

- Redesign and Shop Drawing (Ducting – Piping).
- Power Plant piping through a team.
- Cooling Tower (9 units – 36 cells) piping system.
- Garage Ventilation (Redesign – Ducting).
- Shops:
  - Revising shop drawing submitted.
  - Design and shop drawing (some shops).
- Provide technical assistance to the construction team as needed.
- Prepare BOQs (FCU – Air Terminal – Dampers – Valves ....) for Procurement Dep.
- Follow up with leasing dep. to perform needed HVAC modifications for modified rental (areas & activities).

**Dates** : From Jul. 2007 till May 2008

**Employer** : TAV – Ekin Proje

**Project** : Cairo Airport TB3

**Job title** : Technical Office Mechanical Engineer

**Job Description** :

- Entire Project Quantity Survey through team work contains "3 Engineers & 2 Draftsmen":
  - Fire fighting (pipes & Sprinklers).
  - HVAC (ducts).

- Entire Project As-built through the same team work:
  - Fire fighting.
  - Plumbing.
  - HVAC (Pipes).
- Entire Project Survey:
  - Fan Coils.

- Field of experience :**
- Specialties:
    - HVAC Design.
    - HVAC Shop drawing.
    - Quantity Surveys.
  - Technical Skills:
    - Load Calculations.
    - Chillers Selection.
    - AHU Selection.
    - FCU Selection.
    - Air Terminals Selection.
    - Pumps Selection.
    - Preparing all items quantity surveys for pricing.