

Holds a B. Sc. in Mechanical Power Engineering and has over 9 years hands-on experience in the internal Plumbing and Fire Fighting design, external networks (water, sewage & fire fighting) and specification of all plumbing systems and components including Sanitary waste, Storm water systems, Indirect waste systems, Domestic hot and cold water systems, Recirculation systems, High and low pressure natural gas systems, Sprinkler and domestic water services, Natural gas service and meter requirements, Back flow protection, Grease interceptors, Medical gases (VIE tanks, Vacuum Plants, AGSS & Medical Compressors), Ejector pumps, Fire pumps, Misting systems, Clean agen systems, Fixture requirements, House traps, Compressed air systems, Steam systems, central hot water system, swimming pools, underground water tanks and elevated tanks.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 29/10/1983
Gender : Male
Residence : Giza, Cairo

EDUCATION

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

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet
: AutoCAD
: Revit MEP
: Plumbing and fire fighting calculation software, including Elite software version 6.0.187
: Grundfos win- caps program for pump selection
: Patterson software for fire pump selection
: Sigma soft ware for calculation
: Micro Station

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Feb. 2015 till now
Employer : ZFP (KSA)

Job title : Project Engineer – Technical Reviewer

Dates : From Oct. 2014 till Feb. 2015

Employer : MZECH (Egypt)

Job title : Project Engineer

Dates : From Sep. 2012 till Oct. 2014

Employer : SNC-Lavalin (Canada)

Job title : Project Engineer

Dates : From Oct. 2010 till Sep. 2012

Employer : KHATIB & ALAMI – ASA (CONSOLIDATED CONSULTANTS) (Lebanon)

Job title : Intermediate Engineer

Dates : From Sep. 2008 till Oct. 2010

Employer : H.A. Consultant Office (Egypt)

Job title : Design Engineer

Dates : From Dec. 2007 till Aug 2008

Employer : ICG (Egypt)

Job title : Junior Design Engineer

Roles and Responsibilities:

- Coordinate between other engineering disciplines to ensure proper coordination is achieved as per design.
- Water hydraulic systems calculation.
- Fire sprinkler Hydraulic calculation using (Elite software).
- Make water tank, irrigation tank, fire tank, boiler plant, pump station and pipe sizing calculation.
- Swimming pools design.
- Equipment selection and preparing B.O.Q and specification.
- Experienced in the specification, evaluation and documentation of equipment.
- Complete design for fuel system for boiler & generators.
- Check submittals, Irs, MIRs.
- Shop drawings review.
- As Built review.
- Pressure water external network design.
- External waste water external network.
- Site meetings.
- Prepare conceptual design for mechanical work.
- Medical gases detailed design.

Major Projects:

- L'OREAL Cosmetic Plant.
- Sanofi Avanties - Medical Plant.

- Suez Treatment Plant.
- Nasr City Purification Plant.
- Meraasland District Cooling Plant.
- Dharan, ARAMCO.
- Park Avenue - DAMAC.
- Aero City - Ministry of Aviation.
- The Marassi - Safi Villas - EMAAR.
- The Ritz Carlton Hotel - EMAAR.
- Ahmed Al Massoud Residential Building - Bin Zaied.
- UP TOWN CAIRO - EMAAR.
- KA-ASA Main Building.
- DAR AL WASL - Dubai.
- Abu Al Khaseeb Hospital - Basra, Iraq.
- Abu Dhabi Police GHQ-Hospital.
- Misr University for Scince & Technology Hospital.
- Marine San-Stefano.
- Sohar Air Port - Oman.
- Congo Substation - Congo.
- Bab-Trapols in Libya.
- Medicine Factory.
- Cairo Festival City (C.F.C.).
- Cairo Cargo City (C.C.C.).
- Tam Oil (Administration Building).
- Doctor`s Tower - Khartoum, Sudan.
- Villa El-Banafseg (Residential Building).
- Villa El-Nargess (Residential Building).
- Villa Heteen (Residential Building).
- Om El Qurra University (Residential, Office & University Building).
- King Faisal Specialist Hospital Housing (Residential Building).
- American School in Jeddah.
- Dr. Soliman Faqqih Hospital.
- Training Center for Civil Defense.

Codes and Design Standards awareness:

- Egyptian plumbing code.
- American society of plumbing engineers (ASPE).
- National Fire Protection Association (NFPA).
- British standards (BS).
- International plumbing code.
- Practical plumbing design guide.
- Egyptian fire code.
- FM-Global.
- Egyptian Sewage code.
- Saudi Plumbing code.
- UAE fire protection code.
- UAE plumbing code.
- American society for testing material (ASTM).
- Uniform plumbing code.
- HTM-2022.
- HTM-02-01.

- Egyptian Code for medical gas.
- ASHRE.
- International Swimming pool code.
- Saudi Fire Code.
- Saudi Plumbing Code.
- ASTM.