

Holds a B. Sc. in Mechanical Engineering and has about 1 year experience working in construction, design, technical office and HVAC.

PERSONAL DATA

Nationality : Egyptian
Gender : Male

EDUCATION

: B. Sc. in Mechanical Engineering, British University in Egypt, 2016
: Secondary Education: Tabary Roxy School, 2012

LANGUAGES

Arabic : Native Language
English : Very Good
Italian : Basics

COMPUTER SKILLS

: Windows, MS Office, Internet
: AutoCAD
: Autodesk CFD
: Comsol
: CATIA V5 R21
: Matlab
: Simulation Abaqus
: Autodesk Inventor
: Revit MEP
: Solid Works
: Ansys fluent (for fluids simulation)
: Primavera P6
: MS Project
: HAP (Hourly Analysis Program)
: Elite firefighting program

TRAINING COURSES AND CERTIFICATIONS

: Engineers House Diploma (HVAC, Firefighting and Plumbing) (from Dec. 2017 till Feb. 2018).

- : SIAC, Industrial Construction & Engineering Company (from May till Sep. 2013): Training for five months on Air conditioning (HVAC) and firefighting at Nestle' Factory.
- : SIAC, Industrial Construction & Engineering Company (from May till Sep. 2014): Training for five months on Air conditioning (HVAC) and firefighting at 15th May Hospital.
- : Dar Al-Handasah (Shair & Partners) (from Jul. till Sep. 2015): Training for two months on air conditioning systems in buildings.
- : Egyptian Engineering Co. Power & Oil Services (from May till Sep. 2016): Training for five months on supplying electro-mechanical parts and chemicals; execute industrial and electrical projects; provide solutions for environment protection, control systems and pipeline related services and maintenance for mega companies in the Middle East.

CHRONOLOGICAL EXPERIENCE RECORD

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|------------------------|---|---|
| Dates | : | From Mar. 2018 till now |
| Employer | : | Engineering Enterprises for Civil & Steel Constructions S.A.E |
| Job title | : | Junior Mechanical Engineer |
| Job Description | : | <ul style="list-style-type: none"> • Participate in implementing technical office policies and procedures. • Study the project contract documents (time schedule, project design drawings, BOQ, etc.). • Update the shop drawing log before sending the shop drawing to consultant for approvals. • Study and prepare requests for information (RFIs) for all missing, unclear, conflicting or other technical matters that may arise during construction. • Review sub-contractors' shop drawings as well as outsourced shop drawings and coordinate their approval process with the project consultant. • Coordinate with Surveying Engineer to provide him all the information about land coordinates and any site measurement required. • Participate in solving/reporting any unexpected technical difficulties, and other problems that may arise during construction to the Technical Office Manager for discussion and proper solve. • Prepare as-built drawings at the end of the project and hand over to the project consultant. |
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|------------------------|---|--|
| Dates | : | From Nov. 2017 till Mar. 2018 |
| Employer | : | SIAC, Industrial Construction & Engineering Company |
| Job title | : | Junior Mechanical Engineer |
| Job Description | : | <ul style="list-style-type: none"> • Co-ordinate and execution HVAC, Firefighting and Plumbing projects for onshore & outshore clients from conceptual design through to close out. • Generally responsible for implementations and monitoring of all mechanical related works at site as per approved drawings and methods & safety rules. • Estimate, prepare and assign the resources such as manpower, materials, consumables, equipment, tools, etc., required for all Mechanical & related works prior to execution. Plan and analyse all possible construction methodologies and recommends the best options |

to the MEP Manager for approval prior to execution at site.

- Interpret construction drawings and study the contract documents and applicable standards or specifications prior to execution of any jobs.

- Field of experience :**
- Experienced Mechanical Engineer with a demonstrated history of working in the Industrial Construction & Engineering.
 - Skilled in Revit, AutoCAD, Ansys Fluent, Hourly Analysis Program, Solid Works, Elite firefighting program and Ground Loop Design.
 - Strong engineering professional with a second class B. Sc. honors degree focused in Mechanical Design and Heat Transfer, Thermodynamics and Energy Systems.

Publication:

Air-conditioning System using Geothermal Heat Sink Proposal with Energy Simulation (Jul. 2017).