

104188-MEC-56DEM-E-2016
Mechanical Technical Office Engineer

Holds a B. Sc. in Mechanical Power Engineering and has about 3 years hands-on experience working in design and technical office.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 09/08/1993
Gender : Male
Marital Status : Single
Residence : Nasr City, Cairo

EDUCATION

: B. Sc. in Mechanical Power Engineering, Cairo University, 2016
: High School: Zaky Mubarak Preparatory Secondary School – Nasr City, Cairo, 2011

LANGUAGES

Arabic : Native Language
English : Good
German : Fair

COMPUTER SKILLS

: Windows, MS Office, Internet
: AutoCAD 2D & 3D
: Hourly Analysis Program (HAP)
: Duct Sizer
: ASHRAE Duct Fitting
: Solid Works (Sketching – Modeling – Drawing – Sheet Metal)
: Matlab
: Revit
: MS Project
: Inventor
: Siemens NX
: Comsol
: Fusion 360

TRAINING COURSES AND CERTIFICATIONS

- : Occupational safety and health program (basic), NIOSH.
- : Classic Control.
- : Basic Training Program on Fire Fighting by Extinguishers, Bavaria Egypt.
- : Industrial PLC Basic Applications.
- : Electrical Power Systems Distribution.
- : Introduction to Engineering Mechanics – Coursera.com (self-learning).
- : Design of Central Air Conditioning Systems – Engineers' House.
- : Solid Works - "Sys Net Lab." at Faculty of Engineering, Cairo University.
- : MATLAB - "HTC" at Faculty of Engineering, Cairo University.
- : Internships at:
 - Shoubra El-Kheima Power Station (Jul./Aug. 2015).
 - Gross Cairo Water Company (Sep. 2014).
 - Egyptian Railway Authority (Aug./Sep. 2014).
 - Helwan Diesel Engines Company (Aug. 2014).
 - New & Renewable Energy Authority (Aug./Sep. 2013).
 - Egyptian Iron & Steel Company (Jun./Jul. 2013).

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Dec. 2018 till now
- Employer** : Encorp International E&C
- Project** : New Administrative Capital
- Job title** : Mechanical Technical Office Engineer
- Job Description** :
- Read and interpret technical shop drawings, or schematics to support onsite construction activities.
 - Prepare the monthly interim invoices related to all Mechanical works for the main contractor.
 - Prepare shop drawings and as built drawings.
 - Quantity Survey.
 - Documentation and prepare inspection request (IR), material inspection request (MIR), Site clarification request (SCR).
 - Review the project documents (project design, BOQ, technical submittals, etc.).
 - Prepare PR for all materials needed to ensure continuous progress.
- Dates** : From Dec. 2017 till Nov. 2018
- Employer** : Bavaria Egypt
- Job Description** :
- Responsibilities as R&D Manager Assistant for Hose reel department:
 - Follow up production process of hose reel units.
 - Provide weekly report of production process of hose reel units.
 - Follow up with procurement and production departments concerning the department demands.
 - Responsibilities as R&D Engineer:
 - Follow up production process of new products.
 - Participate in making experiments on new products according to

- quality standards requirements in the laboratory.
- Design & develop tools help to improve production process.
- Generate 3D modeling and 2D drawings for products using (Solid Works - Draft Sight - AutoCAD ...) software.
- Create and modify BOM for products on Oracle system.
- Responsibilities as Molds Engineer:
 - Prepare and plan preventive maintenance for plastic and stamping molds.
 - Supervise and implement corrective maintenance for plastic and stamping molds.

Dates : From Jul. 2017 till Nov. 2017
Employer : Eng. Magdy Rafla MEP Consultant Office
Projects : Hotels, Factories, Churches, Hospitals and Villas
Job title : HVAC Design Engineer
Job Description :

- Air Conditioning cooling load calculations.
- Duct System design & drawing using AutoCAD.
- Selection of Air Conditioning Units (Chillers, Fans ...).
- Pipe sizing.
- Preparation of Bill of Quantity of Materials for projects.

Dates : May 2017
Employer : Ministry of Military Production (Fac. 45)
Job title : Mechanical Engineer