

102367-MEC-156EHbn-E-2016
Senior Mechanical Technical Engineer

Holds a B. Sc. in Mechanical Power Engineering and has over 5 years experience working in technical office and HVAC / MEP.

PERSONAL DATA

Nationality : Egyptian
Gender : Male
Marital Status : Married
Residence : Cairo

EDUCATION

: B. Sc. in Mechanical Power Engineering, Ain Shams University, 2016

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

: Windows, MS Office, Internet
: AutoCAD
: HAP
: ELITE

TRAINING COURSES AND CERTIFICATIONS

: Solid Works, Jelecom Egypt.
: Summer training at Shoubra El-Kheima Electrical Station (2015): Observed the boilers Operation and Maintenance, Turbine Maintenance.
: Summer training at The Nile for Pharmaceutical and Chemical Industries (2013): Observed Boilers and Vacuum Machines.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Jun. 2022 till now
Employer : [EGYPTROL](http://www.egyptrol.com)
Projects :

- Cairo North Power Plant: Firefighting & fire alarm system (rehabilitation & new systems)
- El-Tebbin Power Plant: Firefighting & fire alarm system (rehabilitation & new systems)

- Job title** : Senior Mechanical Technical Engineer
- Job Description** :
- Material submittal approval.
 - Shop drawing, as-built and coordination drawings.
 - Procurement (Firefighting and Fire Alarm material and equipment).
 - Project tendering study and prepare the financial and technical offers.
- Dates** : From Sep. 2020 till Jun. 2022
- Employer** : BENAA for Construction and Project Management
- Projects** :
- Aswan Service Center:
 - Central A.C System - Package units (Carrier).
 - Firefighting system (Pump room 500 GPM, F.H.C, HDPE underground network and sprinklers network).
 - Water supply and Drainage system.
 - Infrastructure Site Layout (Inspection chamber, manhole, sewage system, water supply network).
 - NBA (National Bank of Egypt) Shorouk Branch
 - HSBC Sodic Branch
 - ADCB (Abu Dhabi Commercial Bank) Kafr Abdo Branch
- Job title** : Mechanical Technical Engineer
- Job Description** :
- Material submittal approval.
 - Shop drawing, as-built and coordination drawings.
 - Procurement (supplying HVAC, Firefighting and Plumbing material and equipment).
 - Project tendering study and prepare the financial and technical offers.
- Dates** : From May 2018 till Sep. 2020
- Employer** : EMETO (Electro-Mechanical Engineering Technical Office)
- Job title** : Technical Office Engineer
- Job Description** :
- HVAC and Firefighting systems (design and shop drawings).
 - Shop drawing works - Perform shop drawing works for HVAC, Fire-fighting systems:
 - Check design concept.
 - Static calculation for AHU and FANS.
 - Check duct sizing and pipe sizing performed in design.
 - Check chilled water and cooling water pumps head.
 - Fire pumps head and flow calculation using ELITE.
 - Coordinate and as-built drawings.
 - Making submittal approval for materials and equipment.
 - Design works - Perform a complete design for HVAC, Firefighting projects:
 - Choose the suitable system according to the project type and case.
 - Load calculation using HAP (hourly load analysis program).
 - Duct and pipe sizing.
 - Perform all ventilation works according to ASHARE STD.
 - Perform complete draft on AUTOCAD.
 - Prepare BOQ.
 - Choose the suitable firefighting system according to NFPA.
 - Shop drawing projects (HVAC, Firefighting & coordination):
 - CCC (Command Control Center) (New Capital).
 - El-Kayan chilled water stations (New Capital): As built drawings for

- (4-5), (6-7), (8-9), (3-10) stations.
- CIB Bank - Al Alamein Branch.
- CIB Bank - Mall of Tanta Branch.
- CAC (Cairo American College): Re-design and making shop drawing VAV System using static regain method.
- EGYPT POST (Ramses central main office).
- Vodafone Administration Building 6th Of October.
- KAP-2B (King Abdullah Bin Abdul-Aziz's for the ministry of interior).
- Design projects (HVAC, Firefighting System):
 - Fairmont Nile City Hotel (Renovation and re-design for three restaurants).
 - Faisal Islamic Bank (Mokatem Branch).
 - AAIB Bank - Shebin Al-koom Branch.
 - CIB Bank - Zamalek branch.