

Holds a B. Sc. in Mechanical Power Engineering and has over 1 year experience working in design / MEP field.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 01/02/1998
Gender : Male
Residence : Giza, Cairo

EDUCATION

: B. Sc. in Mechanical Power Engineering, Helwan University, 2020

LANGUAGES

Arabic : Native Language
English : Fluent
Spanish : Good
Japanese : Basics

COMPUTER SKILLS

: Windows, MS Office, Internet
: AutoCAD
: Elite Software
: Adobe Photoshop
: AutoCAD Plant 3D
: Programming
: Revit
: Microsoft Power BI
: Hourly Analysis Program (HAP)

TRAINING COURSES AND CERTIFICATIONS

: Online course: Initiating and Planning Projects - University of California, Irvine (2020).
: Online course: CS50: Introduction to Computer Science - Harvard University (2016).

- : Cairo Oil Refining Company:
 - I was assigned to rotary machines maintenance.
 - I learnt crude oil supply chain and oil refining process management.
- : ECM (Egyptian Company for Metro):
 - I learnt Subway trains maintenance and its control systems.
 - I was introduced to station services maintenance including (Elevators, HVAC and Fire Protection systems).
- : North Cairo Power Station:
 - I learnt Boilers, burners and feed water systems of the power plant.
 - I was introduced to the control procedure Instrumentation of the power plant.
- : NTI (Nile Textile Industries):
 - I was responsible for Pumps, Compressors and dyeing machines maintenance.
 - I was introduced to Industrial boilers operation and Facility supply chain.

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Jun. 2020 till now
- Employer** : IDEAL GROUP CONSULTING OFFICE (IDG)
- Projects** :
- Misr Petroleum - El Hardaga Warehouse: A 3D design for Foam-Water Protection system is designed to protect three tanks containing hydrocarbon liquids, the system includes P&ID, Isometric for the whole system, pump room shop drawing, tanks cooling system, dike area protection, Foam monitor and Foam-Water sprinkler system.
 - Misr Petroleum - Ras Ghareb: A 3D design for Foam-Water Protection system is designed to protect two tanks containing hydrocarbon liquids, the system includes P&ID, Isometric for the whole system, dike area protection, tanks cooling system, water hose station, Foam monitor and loading rack protection.
 - Mostorod Geographical Area Main Network Routing: A 3D design for Water external loop Protection system is designed to protect the entire petroleum companies inside Mostorod and provide appropriate water flow into each company internal space.
 - National Authority for Remote Sensing & Space Sciences: Standard water sprinkler system design was conducted to ensure the safety of the occupants inside the facility. Internal water distribution design both hot and cold. Drainage system design including sanitary, waste and storm drainage.
 - Legenda Compound: Standard water sprinkler system was conducted.
 - United Company for Chemicals & Medical Preparations (UCCMA): Aerosol fire suppression system, Air aspirated Foam system and water-cooling system for fuel tanks.
 - Arab Organization for Industrialization - Medical Factory: Life safety design was conducted according to the local and international codes.
 - Helwan University - External Water Distribution Network: An external water distribution network design was conducted, along with a site survey to check the current state of the built system and its Possibility to be partially used in the new designed system.
 - ABU QIR FERTILIZERS: Fire-fighting system and Fire alarm system were designed.

- Building 12 (Female Dormitory), Helwan University: Fire-fighting system design.
- Job title** : Mechanical Design Engineer (specializing in fire-fighting and plumbing systems)
- Job Description** :
- Design an appropriate fire-fighting system in 3D or 2D according to (Local – international) codes and regulations including (Foam protection systems, CO2, FM200, aerosol, wet pipe system and means of egress).
 - Design a complete plumbing system including: Water distribution network (Internal and External), Drainage (waste, soil, storm).
 - Coordinated with architectural, structural, HVAC and electrical teams for building services spaces and performed clash detection and resolution.
 - Site surveys in order to check the conformity of the drawing with the site constructions and obtain any missing data.
 - Receive comments on the design drawings from clients and made modifications accordingly.
 - Receive site clarification requests from contractors regarding on-site challenges and resolve presented issues.
 - Prepare tender Documents (BOQ).