

Holds a B. Sc. in Mechanical Power Engineering and has experience in power stations & BIM MEP field. Worked in several stations inside Egypt through the past years during pre-commissioning, commissioning and testing through start-up and operation of the power plants.

PERSONAL DATA

Nationality : Egyptian
Gender : Male
Residence : Cairo

EDUCATION

: B. Sc. in Mechanical Power Engineering, Tanta University, 2021

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

: Windows, MS Office, Internet
: Computational Fluid Dynamics (CFD)
: Static Analysis using Solid Works
: EES Software
: AutoCAD
: Revit 3D

TRAINING COURSES AND CERTIFICATIONS

- : BIM MEP ENGINEER INTERN, KAITECH, VIRTUAL INTERNSHIP (Aug. 2021 – Nov. 2021): Finished MEP BIM Track that intended to train the MEP engineering Student on the latest BIM Technology by providing high-quality training on different BIM Software and tools. Over 250 hours of studying materials for 20 different courses in BIM Technology.
- : HVAC SYSTEM DESIGNER course (online), HANDASI (Jan. 2021 – Apr. 2021):
 - Performed Load Estimation using HAP Software.
 - Designed air conditioning systems, air distribution systems, air duct systems, and piping systems using (Duct sizer - Pipe Sizer – Excel sheets - AutoCAD - Revit 3D) Software.
 - Worked on Practical Projects (Residential building using Dx system, Administration building using VFR, and Hospital using Chilled Water

- system).
- : PV SYSTEM DESIGNER Intern (online), MULTISERV TRAINING & CONSULTANCY (Oct./Nov. 2020):
 - Learned about Solar Energy and how PV system works, Sizing, Design Steps, Customer Need Analysis and Load Assessment.
 - Designed a Grid-Connected Solar PV System, designed an off-grid Solar PV System and Design Solar Water pump.
- : Training about Entrepreneurship and ideation camp to start your own startup, InnovEgypt (summer 2019).
- : Training about Diagnosis of malfunctions and Maintenance of bus, West and Mid Delta (Jul./Aug. 2019).
- : Introduction to Aeronautical Engineering, EDX (Mar. 2019).
- : "Pre-incubator program" in delta and canal region supported by Nahdet El Mahrousa and Hivos, Elgarage program (winter 2019).

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Jul. 2020 till Nov. 2020 (during education)
- Employer** : AC BOILERS s.p.a / MEGA
- Project** : ASSIUT SUPERCRITICAL POWER PLANT 1x650MW UNIT CP-105
- Job title** : I&C Commissioning Engineer
- Job Description** :
 - Created test procedures and Perform continuity, cold and hot loop check tests.
 - Prepared, reviewed cable schedule & Hook up Diagrams, installation drawings, control logic, instrument list.
 - Performed insulation and meggering test to the motor's cables.
 - Calibrated Siemens positioner for dampers and control valves.

- Dates** : From Jul. 2019 till Oct. 2019 (during education)
- Employer** : AC BOILERS s.p.a / [EGYPTROL](http://www.egyptrol.com)
- Project** : South Helwan Supercritical Power Plant 3x650MW
- Job title** : Boiler Local Operator
- Job Description** :
 - Performed the required activities of the control room, and plant operator.
 - Maximized plant efficiency and profits without degrading personnel and equipment safety practices.
 - Ensured all environmental permit conditions are met that involve work with OSHA classified hazardous materials.

- Dates** : From Jul. 2018 till Oct. 2018 (during education)
- Employer** : AC BOILERS s.p.a / [EGYPTROL](http://www.egyptrol.com)
- Projects** :
 - South Helwan Supercritical Power Plant 3x650MW (Commissioning Supervisor Assistance)
 - Suez Thermal Power Plant 1x650MW (Boiler Outage and Warranty Supervisor Assistance)
- Job Description** :
 - Replaced all Burners natural gas Swirls and Nozzles.
 - Inspected all bearings on rotating equipment (FDF's / GRF's / RAH's).
 - Inspected all-tube surfaces, furnace, gas breeching leaks, overheating of water wall tubing, steam drums leakage, static seals, expansion joints,

and steam air preheaters.

- Inspect the expansion joints.
- Inspect steam air preheaters.
- Inspect for furnace, gas breeching leaks.