

Holds a B. Sc. in Electro-Mechanical Engineering and M. Sc. in Mechanical Engineering. Has over 6 years hands-on experience working in maintenance and operation.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 17/01/1990
Gender : Male
Marital Status : Single
Residence : Alexandria

EDUCATION

: B. Sc. in Electro-Mechanical Engineering, Alexandria University, 2012
: M. Sc. in Mechanical Engineering (Thermal Sciences / Thermal Fluid), King Fahd University of Petroleum and Minerals (KFUPM) (2015-2017)
: High School: Mohammad Zahran Language School, 2007

LANGUAGES

Arabic : Native Language
English : Fluent
German : Fair

COMPUTER SKILLS

: Windows, MS Office, Internet
: PROTUS, MULTSIM
: AUTOCAD
: MATLAB
: Solid Works
: EES
: Automation Studio
: Simatic (PLC)
: RETScreen
: HAP

TRAINING COURSES AND CERTIFICATIONS

: Project Management Professional (PMP) course at AAST (42 h) (Aug. 2018).

- : Firefighting training at The Egyptian Firefighting Police Department (30 h) (Dec. 2017).
- : HVAC systems at EgyCet (certified from Egyptian Engineers Syndicate) (Jul. 2016).
- : Pumps and Pumping Systems Course (2013).
- : PLC Basics (S7-300) (2011).
- : Microcontroller by AVR (New Horizons) (2010).
- : Training at The Egyptian Co. for Air Systems (E.C.A.S.), Safety ISO module session (2 weeks in summer 2011).
- : Training at Amerya Petroleum Refining Co. (A.P.R.C.), Operation control module (2 weeks in summer 2011).
- : Training at Egyptian International motors (EIM) – RENAULT, Mechanical maintenance module (1 week in summer 2011).
- : Training at Sidi Krir Petrochemicals Co. (SIDPEC), Rotating equipment (1 week in summer 2011).
- : Training at Arab Petroleum Pipelines Co. (SUMED), Electric maintenance and Cathodic protection module (2 weeks in summer 2010).
- : Training at Egyptian Copper Works, Mechanical maintenance (1 month in summer 2009).

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Apr. 2017 till now
- Employer** : West Delta Electricity Production Company (WDEPC)
- Project** : New Abu Qir Site with a power of 2x650MW
- Job title** : Operation Engineer
- Job Description** :
- Responsible for the operation of 2 ANSALDO CALDAIE Boilers, each of 2000T/h, 166bar, 538°C.
 - Responsible for the operation of Two Multiple Effect Distillation (MED) units with TVC, each producing 5,000 m³ /day - Aqua Tech units.
 - Responsible for increasing the unit efficiency.
 - Responsible for the operation of the burners and fans.
 - Responsible for the operation of the site utilities (compressors / fans / pumps).
 - Responsible for the maintenance of valves and pumps.
 - Responsible for both Process Flow Diagram (PFDs) and Piping and Instrumentation Drawing (P&IDs).
-
- Dates** : From Jan. 2015 till Mar. 2017
- Employer** : King Fahd University of Petroleum and Minerals (KFUPM)
- Job title** : Research Assistant Student
- Job Description** :
- Design of medium scale hybrid cooling, solar and desalination system with cooling capacity, and distilled water productivity of 16KW, and 24L/h, respectively.
 - Installation and commissioning of humidification and dehumidification system (HDH).
 - Installation and commissioning of an evacuated solar tube collector.
 - Studying comparative study of a solar PV power plant in Saudi Arabia.
 - Implementation of a solar still system.

Dates : From Apr. 2013 till Dec. 2014
Employer : GlassRock Insulation Company – ASCOM – Citadel Capital
Job title : Maintenance & Project Engineer
Job Description :

- Responsible for the maintenance of the fiberizing M/C which is the core of the industry, also the Cooling water and lubrication systems of machines.
- Responsible for electrical faults and basic PLC programming.
- Responsible for the execution of mechanical preventive/corrective maintenance in the factory.
- Responsible for the maintenance of hydraulic and pneumatic systems in the plant.
- Responsible for the maintenance of the pumps and all plant`s utility.
- Responsible for the maintenance of site furnaces and its auxiliary.
- Designing and modifying the cooling water system of rock-wool fiberizing machine.
- Responsible for monitoring the stock maintenance spare-parts.
- Responsible for designing and drawing the modified spare parts.
- Responsible for accepting the crafted spare parts.
- Responsible for machine installation and commissioning in new projects.
- Reviewing the technical data for new projects.

Dates : From Aug. 2012 till Mar. 2013
Employer : Termokimik Corporation (TKC)
Project : Abu Qir Thermal Power Project (units 6 & 7)
Job title : Site Engineer
Job Description :

- Responsible for the mechanical installation in the water treatment plant.
- Responsible for the commissioning of water treatment plant.

Publications:

- Sherif S. Rashwan, Ahmed M. Shaaban, Fahad Al-Suliman: "A comparative study of a small-scale solar PV power plant in Saudi Arabia", Renewable and Sustainable Energy Reviews, vol. 80, no. November 2016, pp. 313–318, 2017.
- Ahmed M. Shaaban, Maged A.I. El-Shaarawi, M. A. Antar: Thermodynamic Analysis of Combined H₂O-LiBr Absorption and Single Effect Evaporation Desalination system. International Journal of Green Energy. Under Journal Review.