

Holds a B. Sc. in Mechanical Power Engineering and has about 14 years hands-on experience working in operation at Power Plants.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 06/10/1977
Gender : Male
Marital Status : Married
Residence : Shoubra El-Kheima

EDUCATION

: B. Sc. in Mechanical Power Engineering, Cairo University, 2004

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

- : Gas turbine – Generator operations program, General Electric Company (5 weeks in the Site of Cairo North Power Station (250MW) (2006).
- : Operation of combined cycle, Power Plant Training Center (PPTC) – Cairo Electricity Production Company (Apr./May 2006).
- : Operation Gas Compressor & Maintenance, Cimi Company (4 weeks in the Site of Cairo North Power Station) (Jun. 2007).
- : Operation of Traveling water screens and Traversing Trash Rake, INITIC Company (2 weeks in the Site of Cairo North Power Station).
- : Gas turbine Training in DCS control Mark VI & HRSG Training in DCS Mark VIE, General Electric Company (4 weeks in the Site of Cairo North Power Station (250MW) (Jul. 2008)
- : Fire protection training course, INITIC Company (5 weeks in the Site of Cairo North Power Station).
- : Main and auxiliary transformers operation training course, AREVA Company (3 days in the Site of Cairo North Power Station).
- : Job site operation training for HRSG, NEM Company (4 weeks in the Site of Cairo North Power Station) (Oct. 2007).

- : Safe operation & maintenance for pumps, KSB Company (1 week in the Site of Cairo North Power Station) (Apr. 2008).
- : Site Operation Training Steam turbine Generator and Auxiliaries, Alstom Company (4 weeks in the Site of Cairo North Power Station) (Apr. 2008).
- : Site Operation and maintenance of taprogge condenser tube cleaning system and debris filter Training, Alstom Company (4 weeks in the Site of Cairo North Power Station) (Apr. 2008).

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From 2015 till 2017
- Employer** : Arabian Bemco
- Project** : PP10 CC in Riyadh (3600MW) Power Plant, KSA
 Combined Cycle consists of:
- 40 GT frame GE Co. 7EA Mark 6 and working by (Distillate or Heavy fuel).
 - 40 HRSG model NEM Co.
 - 10 STG model GE Co. Steam turbine SC4 128MW.
 - 10 Air cooled Generator Brush 162 MVA 3600MW.
 - ACC Air cooled condenser.
 - Vacuum Ejector system with (Hogging & holding).
- Job title** : Shift Operation Engineer

- Dates** : From 2006 till 2015
- Job Description** :
- Cairo Electricity Production Company - Cairo North Power Station, Combined Cycle Project (Modules I & II) 750MW:
 Operation for (2x250MW) Mitsubishi M701F3 gas turbine:
 - Mitsubishi gas turbine (2x250MW – Japan) & automation control.
 - Hitachi steam turbine (1x250MW – Japan) & Mark VI.
 - DCS control Foxboro.
 - Two heat recovery steam generator (HRSG) Manufactured by NEM.
 - 3 Gas compressor (screw type), two stages, and compression ratio 28:42 bar.
 - Cairo Electricity Production Company - Cairo North Power Station, Combined Cycle Project (Module II) 750MW:
 Combinations, Commissioning and start-up & operation for (2x250MW) GE MS 9001FA gas turbine:
 - GT plant arrangement.
 - System description explanation of P&ID.
 - Main feature of gas turbine.
 - LCI operation.
 - Combustion turbine compressor.
 - Operation guide lines and safety feature.
 - Operation logic – Mark VI.
 - Start-up procedure, shutdown procedure.
 - Fuel change over procedure.
 - Spin operation, turbine operation.

- Main feature of gas turbine auxiliaries.
- GT electrical package.
- Explanation of gas turbine control systems.
- GT inspection.
- GT troubleshooting.
- Turbine generator auxiliary systems.
- Excitation system.
- ALSTOM COMPANY:
Operation Engineer:
 - Steam Turbine Controller.
 - Steam Turbine Operation & Control.
 - Generator & Auxiliaries.
 - Steam Turbine Condenser.
 - Excitation System.
 - Vacuum Pumps.
- NEM COMPANY:
Operation Engineer:
 - Two heat recovery steam generator (HRSG) Manufactured by NEM.
 - Operation Auxiliaries HRSG (3 & 4).
 - Operation logic – Mark VIE.
- GAS COMPRESSOR:
Operation Engineer:
 - 3 Gas compressor (Atlas Copco), one stages.
 - Up to pressure (22 at 32) Bar.

- Further experiences :** INSTRUCTOR - Work as a Trainer and have training materials:
- Training new engineers at Cairo North Center (C.N.T.C) for Gas turbine, heat recovery steam generator (HRSG) and Steam turbine specific training.
 - Training of engineering students from Cairo Collage, Ain Shams Collage, 6 October Collage and El-Asher Collage in thermal steam power generation, simple cycle & combined cycle power generation specific training by Cairo North Power Station.