

Holds a B. Sc. in Electronics & Electrical Communication Engineering and has over 18 years' experience working in operation at Power Plants.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 06/06/1981
Gender : Male

EDUCATION

: B. Sc. in Electronics & Electrical Communication Engineering, 2004

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

- : Advanced training courses of operating and controlling combined cycle.
- : Advanced training courses in automatic control of gas turbines.
- : Bechtel Company training course in power plant: Successful completion of the Shoubra El-Kheima Power Plant basics and Site specifics training constituting program of concentrated a study of plant equipment and systems theory and application (from Mar. till Jul. 2005).

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Dec. 2022 till now
Employer : Cairo Electricity Production Co. (CEPC)
Project : Cairo South Power Station
Job title : Shift Charge Engineer

Dates : From Jul. 2018 till Nov. 2022
Employer : Shanahan Engineering Limited Co.
Project : PP14 CCPP (1950MW), RYIADH – KSA
Consists of:

- 6 Gas turbines GE frame 7FA.05 (6x216MW).
 - 6 HRSG STF manufacture.
 - 2 Steam turbines GE frame D11 (2x325MW).
- Job title** : CCR Operation Engineer
- Dates** : From Nov. 2015 till Dec. 2017
- Employer** : Arabian Bemco Contracting Co.
- Project** : PP10 CC Expansion (4100MW)
Consists of:
- 40 Gas turbines GE frame 7EA (40x70MW).
 - 40 HRSG NEM manufacture (113 T/hr HP section, 23 T/hr LP section).
 - 10 Steam turbines GE frame SC4 (10x128MW).
- Job title** : Operation Engineer
- Job Description** :
- Make full coordination with comm. team for Start-up Schedules like HRSG first heat, HP & LP continuous steam Blowing and service steam blowing for HP & LP bypasses and also for Aux. Lines.
 - Execute ACC cleaning for all bundles of Air-Cooled Condenser (work by 20 fans) one by one.
 - Execute all protection tests for NEM HRSGs.
 - Execute all steps to improve steam purity preparing to enter Steam into GE SC4 steam turbine.
 - Work with Soot Blowing system (16 lences - 30 bar steam pr.) for NEM HRSG.
 - Make all operation pre-checks and operation schedules for Normal start and stop for Combined cycle systems.
 - Make all Mechanical and Electrical isolate and normalize Steps for combined cycle systems.
 - Monitor combined cycle during normal operation and try to Solve all troubleshooting if appeared to prevent from Trip or Shutdown.
 - Full understanding for operation programs like: (Ready to start – Runback – Shutdown – Trip).
 - Make all steps for Water wash schedules like: (Prepare the WW skid for washing – Washing – Rinsing – Drying – Normalize the GT for normal operation).
- Dates** : From Jul. 2012 till Jun. 2015
- Employer** : Cairo Electricity Production Co. (CEPC)
- Project** : Cairo South Power Station (Combined Cycle unit):
- 1 unit x 110MW gas turbine, G.E. frame MS9001E under Control system (Speed Tronic – Mark 4).
 - 1 HRSG (Heat Recovery Steam Generator), type VOGT under Control system (DCIS – Westinghouse).
 - 1 unit x 55MW ST, G.E. under control system Mark 5.
- Job title** : Shift Charge Operation Engineer
- Dates** : From Feb. 2012 till Jul. 2012
- Employer** : HYUNDAI HEAVY INDUSTRIES CO. LTD (HHI)

- Project** : Riyadh PP11 IPP PROJECT, KSA
(7 units x 170MW) gas turbine, G.E. frame 7-FA under Control system (Speed Tronic – Mark 6E), Used Fuel: Natural gas – Distillate – ASL (Arab Super Light))
- Job title** : Operation Engineer
- Job Description** :
 - Start and stop gas turbines for GE group to complete Start-up tests, First Fire, over speed test, First Synch.
 - Deliver the gas turbines which finished all tests and work as Operation Engineer for these GTs until receiving for SCECO.
 - Deal with LCI (Load Commutative Inverter) as a Starting Device for gas turbines.
- Dates** : From Apr. 2011 till Aug. 2011
- Employer** : Arabian Bemco Contracting Co. LTD
- Project** : Riyadh Power Plant No. 10 Combined Cycle (4600MW), KSA
- Job title** : Operation Engineer
- Job Description** :
 - Mark VIe control system.
 - Frame 7E GE gas turbine.
- Dates** : From Mar. 2005 till Apr. 2011
- Employer** : Cairo Electricity Production Co. (CEPC)
- Project** : Cairo South Power Station
(3x113MW) gas turbine, G.E. frame MS9001E under control System (Speed Tronic – MARK 4), Used Fuel: Natural Gas – Distillate)
- Job title** : Shift Charge Operation Engineer
- Job Description** :
 - Make all operation pre-checks and operation schedules for Normal start and stop for gas turbines.
 - Make all Mechanical and Electrical isolate and normalize Steps for gas turbines.
 - Monitor gas turbines during normal operation and try to Solve all troubleshooting if appeared to prevent gas Turbines from Trip or Shutdown.
 - Full understanding for operation programs like: (Ready to start – Runback – Shutdown – Trip).
 - Make all steps for Water wash schedules like: (Prepare the WW skid for washing – Washing – Rinsing – Drying – Normalize the GT for normal operation).
 - Work as a Leader for operation group which consists of 3 Engineers and 10 Technicians.