

Holds a B. Sc. in Electrical Power Engineering and has about 11 years hands-on experience in construction and operation of Power Stations.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 26/04/1973
Gender : Male
Marital Status : Married
Residence : El-Behira

EDUCATION

: B. Sc. in Electrical Power Engineering, Menoufiya University, 2000

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

- : Steam Turbine and Generator, Ansaldo Energia, Genoa – Italy.
- : Maintenance & Operating of GIS system 220KV, SIEMENS, El-Atf Site.
- : Fire fighting training, Toshiba Plant System & Service Corporation, El-Atf Site.
- : Maintenance training of Gas Turbine, MHI Power Generation, El-Atf Site.
- : Maintenance & Operating of Steam Turbine Generator, Ansaldo Energia, El-Atf Site.
- : Hydrogen Generation Plant, Toshiba Plant System & Service Corporation, El-Atf Site.
- : ABB, SYMPHONY – HARMONY & PGP training.
- : Training program covering installation, calibration, leak, tests, start-up & commissioning work activities.

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From 2008 till now
- Employer** : Middle Delta Company of Electricity Production
- Project** : EL-ATF Combined Cycle Power Station:
- One Steam Turbine 250MW (Ansaldo Energia Company)
 - Two auxiliary transformers (21/6.3KV)
 - Mitsubishi Gas Turbine (Frame M701F), two units – 250MW each one (Diasys control)
 - 220KV switchyard (Siemens) one and half circuit breaker, consists of two Bus bar, five bays, 6 over head transmission lines and 3 generator transformers
 - Steam turbine auxiliaries
 - Two HRSGs (NEM Company)
 - 6.6KV Switchgear
 - 3 Gas compressors to step-up the pressure of Gas to 42 bar
- Job title** : Electrical Power Engineer
- Job Description** :
- Installation and erection of Gas turbine unit (Mitsubishi frame M701F). Generator protection, generator auxiliaries control, motor control center (MCC), excitation system with AVR and generator sealing system.
 - Erection of switchgear 6.3KV (Schneider) and motor control center (MCC) for 380V rated of the station loads.
 - Installation and erection of 220KV Switchyard Siemens (GIS) gas insulated system one and half circuit breaker. Local and remote control with Siemens devices (bay control devices), bus bar protection, O.H.T.L. protection.
 - Installation of 250MW steam turbine (Ansaldo production) with all auxiliaries system, generator protection and excitation system.
 - Erection of step up transformer 2 x 21/220KV and 1 x 15.75/220KV. Local protection devices and protection relays.
- Dates** : From 2002 till 2008
- Employer** : Middle Delta Company of Electricity Production
- Project** : Mahmoudia Combined Cycle Power Station:
- General Electric Gas Turbine (Frame 5), 8 sets – 25 MW each one (Mark II)
 - Rolls Royce Gas Turbine (Double End – SK 60), 4 sets – 50MW each one
 - 220/66/11KV Transformers substations
 - 11/ 220KV Set Up Transformers
 - 220KV Switchyard (Sf6 circuit breakers – Isolators – wave Trap – Surge)
 - General Electric Steam Turbine (Mark V), 2 sets
 - Steam turbines auxiliaries (DCS) control
 - Water treatment (PLC) control
 - Tube cleaning & Debris filter system (PLC)
 - Feeder 220KV (6 sets) & feeder (66KV)
- Job title** : Shift Engineer
- Job Description** :
- Conversant with:
- Unit start-up and shutdown procedures.
 - Monitoring parameters.

- Testing the equipments.
- Isolation and de-isolation procedures.
- Safety work permit system.

- Field of experience :**
- Installation, Erection and Commissioning of:
 - Gas Turbine Generator 250MW (Mitsubishi Electric Corporation) & Digital.
 - Generator Protection Relay M-3425, M-3310 for Excitation Transformer.
 - Testing for Digital Relay by using OMICRON CMC356.
 - MAIN transformer 21/220KV and auxiliary transformer 21/6.3KV (AREVA).
 - Medium & L.V Motor (EPARA – JAPAN).
 - Medium Voltage Switchgear 6.3KV (SCHNEIDER, RENOX) & Digital Protection Relay (SEPAM 1000).
 - 220KV GIS SIEMENS & Digital Protection Relay (SPERITEC-4) & 220KV Cable between Main Transformer and 220KV G.I.S.
 - Using instruments:
 - OMICRON CMC 356 – Primary Injection – Secondary Injection.
 - CPM 500 (megger) digital micrometers for Contact resistance.
 - TM 1600 circuit breaker analyzer (opening time – closing time).
 - C.A 6423 CHAUVIN ARNOUX for Ground resistance.
 - BITE2 (megger) for Internal impedance of battery.
 - MULTI_RANGE MEGGER TESTER for Insulation resistance.
 - R002 (DILO) Measuring device for SF6 percentage.
 - R001 (DILO) Moisture meter for SF6 gas.
 - PAUR oil tester DPA for measuring brake dawn voltage of oil.