

Holds a B. Sc. in Electrical Power & Machines Engineering and a Diploma in electric power protection system. Has about 9 years hands-on experience working as Operator Engineer.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 31/10/1985
Gender : Male
Marital Status : Married
Residence : El-Behira

EDUCATION

: B. Sc. in Electrical Power & Machines Engineering, Cairo University, 2008
: Diploma in electric power protection system, Cairo University, 2016

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office (Word, Excel), Internet

TRAINING COURSES AND CERTIFICATIONS

: On-shore Training of Gas Turbine Siemens V94.3A each one produces 250MW.
: On-shore Training of High and Medium Voltage (500KV/220KV/6.3KV).
: On-shore Training of Steam Turbine Operation and Maintenance.
: On-shore Training of ALSTOM HRSG.

CHRONOLOGICAL EXPERIENCE RECORD

Project : Nubaria Combined Cycle (2x750MW) Power Station:
• Two modules, each module consists of:
- Two Siemens CTG 250MW type V94.3.
- Two horizontal Alstom HRSGs.
- One Mitsubishi STG 250MW (HP, IP, LP) turbine.
• 220KV switchyard ABB.
• 500KV switchyard JAPAN AG.

- Four Tie transformers 500/220KV ZTR.
 - Medium and low voltage switch gears.
- Job title** : Shift Operator Engineer
- Job Description** :
- Switching operations and commissioning procedures of HV/EHV.
 - Main Operation Engineer in Control Room & Switch Yard 500/220KV:
 - Conventional Air Insulated Switchyard (AIS).
 - Sumitomo Corporation CONISYS (Tokyo & Cairo) 500KV.
 - ABB Corporation (Cairo) 220KV.
 - Local Area and Equipments:
 - 500KV Switch Yard:
 - 9 Power Transformers (ZTR & Hyundai).
 - 4 TFRs ZTR of CTG Turbines 16.5KV/500KV & 2 TFRs ZTR of STG Turbine 15KV/500KV.
 - 2 TFRs Hyundai of CTG Turbines 15.75KV/500KV & 2 TFR Hyundai of STG Turbine 19KV/500KV.
 - 2 Bus bars 500KV, 3000 A (Double Bus bars Double Breaker).
 - 15 Bays consists of (6 CTGs C.Bs) & (3 STGs C.Bs).
 - 4 ZTR Tie Transformers (each 3 Single Phase Auto TFR) 500/220/11KV.
 - 2 OHTL 500KV.
 - 12 Bays of "Sumitomo Japan" Dead Tank C.Bs.
 - 3 Bays of "Areva" Live Tank C.Bs.
 - CONISYS Live Line Insulator Washing (LLIW) System.
 - Capacitive & Inductive V.Ts.
 - Wave Traps.
 - 220KV Switch Yard:
 - 2 Bus bars 220KV, 3000 A (Double Bus bar Single Breaker).
 - 220KV Bus Coupler.
 - 4 OHTL 220KV (Double Circuit).
 - 12 Bays of "ABB" Live Tank C.Bs.
 - CONISYS Live Line Insulator Washing (LLIW) System.
 - Capacitive & Inductive V.Ts.
 - ABB C.Ts. Wave Traps.
 - Control Room:

To control the system using:

 - AREVA Protection, Automation and Control Integrated System (PACIS).
 - MICOM Bay Control Unit by AREVA (BCU) Ver.C264 for Control.
 - MICOM by ALSTOM for protection as follows:
 - P742, P741 for Bus bar Protection.
 - P437, P442 for Distance Protection.
 - P143 for Breaker failure.
 - P126 for Backup Protection.
 - P632 for Differential Protection.
 - ABB Protection Relays as follows:
 - REB 500 for Busbar Protection.
 - Reel 316, Reel 531 for Distance Protection.
 - Auto Reclosed System.
 - CONISYS Live Line Scada Control Unit.
 - CONISYS & ABB Chargers, Rectifiers, Batteries and Inverters 400v Ac >> 220, 48v Dc Room (UPS System).

Employer : South Cairo Electricity Distribution Company
Job title : Operation & Maintenance Engineer
Job Description :

- Locate the fault of underground cable networks 11KV.
- Welding Cables 11KV.