

Holds a B. Sc. in Electrical Power & Machines Engineering and has about 8 years experience mainly in operation of Nubaria Power Station.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 16/05/1980
Gender : Male
Marital Status : Married
Residence : El-Gharbia

EDUCATION

: B. Sc. in Electrical Power & Machines Engineering, Mansoura University, 2004

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet
: PCFLOW, ORCAD, AUTOCAD, PSCAD and MATAB

TRAINING COURSES AND CERTIFICATIONS

- : Training course for Gas turbine Component and Operation (Siemens CTG x 250MW type V94.3A), Middle Delta Electricity Production Company, Nubaria, Mar. 2008.
- : Training course for Steam turbine Component and Operation (Mitsubishi 250MW HP, IP, LP), Middle Delta Electricity Production Company, Nubaria, Mar. 2008.
- : Steam turbine on-shore training for Nubaria Power Station I & II 2x750MW combined cycle project under direction of Mitsubishi Heavy Industries Ltd., Nubaria, Apr. 2008.
- : Trained on the course in ATMEL Microcontrollers.

CHRONOLOGICAL EXPERIENCE RECORD

- Employer** : Middle Delta Electricity Production Company (MDEPC)
- Project** : Nubaria Combined Cycle (3x750MW) Power Station:
Nubaria Power Station is a new station finished in Oct. 2006, this power station consists of 4 CTGs and 2 STGs with total power 1500MW, in addition to the extension (2 CTGs and 1 STG) 750MW which finished in 2010 to complete the total power of the station to be 2250MW (the biggest power station in Egypt).
- 4 CTGs (SIEMENS), 2 CTGs (GE).
 - 2 STGs (MITSUBISHI), 1 STG (ALSTOM).
 - 500KV Double Bus bar Double Breaker switchyard (HITACHI).
 - 220KV Double Bus bar Single Breaker with Bus Coupler switchyard (ABB).
 - Two 500KV OHTL.
 - Eight 220KV OHTL.
 - Four tie transformers 500/220/11KV.
 - Commissioning, start-up and operation for 2 combustion turbine generators (250MW) GE 9FA.
- Plant description:
- Two modules, each module has:
 - Two Siemens CTG x 250MW type V94.3A.
 - Two Alstom HRSG (HP & IP & LP).
 - One Mitsubishi STG (250MW).
 - One module consists of two GE combustion gas turbines 250MW type 9FA.
 - 220KV switchyard.
 - 500KV switchyard.
 - Four tie transformers 500 /220/11KV.
 - Eight outgoing circuits 220KV.
 - Two outgoing circuits 500KV.
 - Medium and low switchgears.
- Job title** : Senior Shift Charge Engineer
- Job Description** : Control Room Operating Engineer:
- Lead the engineers and technical groups to operate 4 Combustion Turbine Generators (Siemens), with 2 Combined Steam Turbine Generators (Mitsubishi) and all related equipments.
 - Contact with the dispatch to manage the total power needed.
 - Record and write all necessary data and information.
 - Manage the power station in disturbed situations.
 - Shut down and start-up the module (2 gas turbines (2x250MW) with two combined boilers generates steam for one steam turbine 250MW).
- Employer** : HORIZON Investment & Industrial Development (GRANITE PRIMA) & ARAB Co. & GAMMA International Egypt (SMART METER, AMR SYSTEM, PLC POWER LINE CURRER)
- Job title** : Electrical Maintenance Manager
- Job Description** :
- Design and construction of Control Panel & Low Voltage and medium voltage panel.
 - Design and construction of Low Voltage and medium voltage cables.

- Work as Technical Support Engineer.
- Instructions of new ceramic lines from National Company from Italy (SACMI, LB, TECNO FARARI, BMR COMPANYY).
- Work in start-up for the new lines.
- Work on PLC TYPE OMERON "LADDER DIAGRAM".
- Instruction of new distribution power system and repair old system.
- The supervision of generators Catter Pillar Model 3412-3515 in employment and maintenance participation temporary maintenance coarse and special emergency at station.
- Production Engineer responsible for the production of electronic boards.
- Supervising the maintenance of the production line machines.
- Familiar with ISO 9001 documentation and protocols.
- Document Controller.
- Work on Power Line Communication (PLC) in the field of remote measuring, controlling power consumptions and work on power network on the factories and factor generators.
- Repair and maintenance for Electrical M/C (Motors & Generator AC DC).

Employer : HORIZON Investment & Industrial Development (GRANITE PRIMA)
Job title : Consultant Electricity
Job Description : Design and construction of Control Panel & Low Voltage (0.4KV) and medium voltage panel (11KV) & Power Factor Improvement.

Field of experience:

- Start-up, operation and maintenance for the Siemens gas turbine 250MW.
- Corrective & preventive maintenance for the following:
 - 16.5/500KV main transformers for Siemens gas turbines.
 - 15/500KV main transformers for Mitsubishi steam turbines.
 - 500 MVA Tie transformers (500/220/11KV) from ZTR Ukrainian Co.
 - 500KV Conventional Air Insulated Switchyard:
 - 6 Incoming feeders from main transformers to 500KV bus bar.
 - 4 Outgoing feeders from bus bar to 500/220/11KV Tie transformers.
 - 2 Outgoing feeders from 500KV bus bar to Cairo 500 and Sidi Krir 500.
 - 220KV Conventional Air Insulated Switchyard:
 - 4 Incoming feeders 220KV.
 - 8 Outgoing feeders 220KV.
 - 220KV Bus Coupler.
 - Live Line Insulator Washing System (LLIWS).