

Holds a B. Sc. in Electrical Power Engineering and has over 10 years hands-on experience in construction, maintenance and commissioning of Nubaria Combined Cycle Power Station.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 22/04/1978
Gender : Male
Marital Status : Married

EDUCATION

: B. Sc. in Electrical Power Engineering, Menoufia University, 2002

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

- : ALSTOM Power Plant Training Center, Mannheim / Germany, Nov./Dec. 2009:
 - Generator design.
 - Auxiliaries.
 - Excitation System.
 - Protection System.
- : Schneider Electric Co.:
 - Operation and maintenance of switchgear medium voltage (6.3KV).
 - Operation and maintenance motor control center low voltage (400V).
 - Load center transformer.
- : Metito Co. – Training in water treatment in the following:
 - Demineralization Plant.
 - Pre-Treatment Plant.
 - Sewage Treatment Plant.
 - Potable Water System.
 - Waste Water Treatment System.
 - Oil/Water Separator System.
 - Chemical Injection System.

- : Initec Energy Co.:
 - Operation and maintenance of battery & battery charger.
 - Operation and maintenance of Diesel engine electrical system.
 - Operation and maintenance of Sump pump system.
- : Chloride Co.:
 - Operation and maintenance of all batteries.
 - Testing of CHARGE / DISCHARGE of batteries.
- : Grid Training Center in South Cairo: OLTC "Overload Tap Changer" of ABB Company.

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Jun. 2003 till now
- Employer** : Middle Delta Electricity Production Company
- Project** : Nubaria Combined Cycle Power Station I, II, III (3x750MW):
- Modules I & II:
 - Four Siemens Gas turbine generators 4x250MW
 - Four ALSTOM horizontal boilers HRSGs
 - Two Mitsubishi Steam turbine generators 2x250MW
 - ABB / Consiys Switchyard 500/220KV
 - ZTR main & auxiliary and tie transformer
 - Auxiliary system (pump house – water treatment unit)
 - Medium voltage switchgear and low voltage MCC
 - DCS control
 - Module III:
 - Two GE gas turbines 250 MW frame MS9001FA
 - Two horizontal boilers STF HRS
 - One ALSTOM steam turbine 250MW (HP, IP, LP stages)
 - Auxiliaries (service, closed cooling, circulating systems, etc.)
 - 500KV switchyard
 - Medium and Low Voltage Switchgears
- Job titles** : • Electrical Power Construction, Commissioning & Maintenance Engineer
• Head of Electrical Maintenance Department
- Job Description** : • From Oct. 2009 till now:
- Making in all electrical maintenance of the following:
 - Gas turbine generator 4x250MW (Siemens units): Worked in minor & major inspection of Siemens units. Attend with Siemens in all electrical tests such as bump test, partial discharge test, high voltage test ac-dc, megger, etc.
 - The experience of pulling out gas turbine generator rotor.
 - Steam turbine generator 2x250MW (Mitsubishi units): Worked in minor & major overhaul inspection for Mitsubishi.
 - Operation & maintenance of Transformers such as:
 - Main transformers (16.5 to 500KV) for gas turbine units.
 - Main transformers (15 to 500KV) for steam turbine units.
 - Auxiliary transformers (16.5/6.3/6.3KV) for gas turbine units.
 - Excitation transformers (15KV/600V) for steam turbine units.
 - Tie transformer (500KV/220KV/11KV).
 - Exchanging ZTR transformer with new HYSOUNG transformer.

- Generator circuit breakers ABB.
 - Switchgear (6.3KV).
 - MCC (400V) and load center.
 - Electrical valves in HRSG.
 - Battery – Battery Charger – DC & UPS system.
 - Electrical system of emergency Diesel engine.
 - Electrical system of fire Diesel engine.
 - Water treatment plant.
 - Nubaria Station colony electrical activities (transformers, sump pumps, lighting, etc.).
 - Hydrogen generation unit (for generating hydrogen used in steam turbine generator cooling).
 - Heat ventilation system HVAC, electrical maintenance.
 - All maintenance activities in switchyard 220KV & 500KV electrical system.
- During 2009:
 - Working in electrical system construction and commissioning of general electric (GE) units (generator – LCI control & dry transformer – SEE control & dry transformer – all auxiliaries in unit) in module 3.
 - From Jun. 2003 till Oct. 2009:
 - Working in all electrical system construction and commissioning of switchyard 500/220KV.
 - Working in all electrical system construction and commissioning of medium voltage (6.3KV) Schneider switchgear.
 - Working in all electrical system construction and commissioning of low voltage (400V AC) Schneider MCC.
 - Working in all electrical system construction and commissioning of battery, battery charger, diesel engine, DC-UPS system.
 - Working in all electrical system construction and commissioning of ZTR power transformer (main and auxiliary).
 - Working in all electrical system construction and commissioning of Siemens gas turbine (generator – power control center – SFC – SEE – all auxiliary unit) V94.3A.
 - Working in all electrical system construction and commissioning of Mitsubishi steam generator turbine.
 - Working in all electrical system construction and commissioning of pump house and water treatment unit.

- Field of experience :**
- Set of electrical maintenance program.
 - Gas turbine generator (Siemens and GE units).
 - SFC "static frequency converter" and SEE "static electrical excitation" & LCI "load commutated inverter" system.
 - Frequency converter operation and maintenance.
 - Electrical auxiliaries of STG & CTG units.
 - AC & DC electrical machine & Wiring Circuit.
 - Testing, commissioning, operation and maintenance of switchgear medium voltage (6.3KV).
 - Testing, commissioning, operation and maintenance motor control center low voltage (400V).
 - Pulling out of generator rotor.
 - Testing, commissioning, operation and maintenance Load center transformer, diesel engine.