

Holds a B. Sc. in Electrical Power & Machines Engineering and has over 9 years hands-on experience in construction and maintenance.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 06/03/1982
Gender : Male
Marital Status : Married

EDUCATION

: B. Sc. in Electrical Power & Machines Engineering, Menoufia University, 2003

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

- : Training for two months in Transport and Engineering Company.
- : Training for two months in Alexandria National Automotive (ANA) - (Mercedes – Benz) Company.
- : Training Course in Regional Center for Training and Water Studies (RCTWS): "Improve technical capabilities for electrical engineers".
- : Training for two weeks by INITEC – CHEMTROL: "Fire fighting training course".
- : Training in Cairo Electricity Production Company, Power Plant Training Center (PPTC), in the field of: "Engineering Services for Substation and Switchyards".
- : Training in Cairo Electricity Production Company, Power Plant Training Center (PPTC), in the field of: "Safety operation and maintenance in Substation and Switchyards".
- : Training Course in EL-NASR Company for producing transformers and electrical equipments (EL-MACO), in the field of transformer maintenance.
- : Training on Air Insulated Switchyard (AIS) – 220KV & 500KV Switchyard – in Nubaria Combined Cycle Power Plant.

- : Training Courses for generator & Auxiliaries, Excitation and protection.
- : Training on Gas Insulated Switchyard (GIS) in North Cairo Combined Cycle Power Plant.
- : Training on Gas & Steam Turbine units in Nubaria Combined Cycle Power Plant.
- : Practical Training Steam Turbine Maintenance in ALSTOM Power Plant Training Center (Mannheim / Germany), Nov./Dec. 2009.
- : Attending a work shop about "Reasons of damage for batteries and methods of treatment" in Central Chemical Laboratories – Egyptian Electricity Holding Company.

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Apr. 2005 till now
- Project** : Nubaria Combined Cycle Power Station (3x750MW)
- Job title** : Construction Engineer for 500KV & 220KV switchyard equipments
- Job Description** :
- Witness for all construction work for generators and auxiliaries.
 - Witness for all tests in 500KV & 220KV switchyard, switchgears 16.5/6.3KV (C.B, C.T, P.T, etc.).
 - Some tests (Polarity, Megger, turns ratio, etc.).
 - Witness for all tests on Power Transformers (Tie-transformers, Main, Aux. transformers).
 - Witness for some tests (D.C resistance, Insulation test, turns ratio, Tan δ).
 - Witness for some tests on some Relays Low Voltage Switchgears (6.3KV, 400V).
 - And maintenance for the following:
 - 220KV conventional air insulated switchyard:
 - 8 Feeders 220KV.
 - 500KV conventional air insulated switchyard:
 - 2 feeders 500KV.
 - High voltage transformers from ZTR Ukrainian Company:
 - 500/220/11KV tie transformers (visual check, insulation resistance, no load loss and current, oil - winding temp., OLTC checking, primary to earth.
 - 16.5/500KV main transformers for Siemens gas turbine.
 - 15/500KV main transformers for Mitsubishi steam turbine.
 - Medium voltage transformers 16.5/6.3KV auxiliary transformers.
 - Gas turbine generator 4x250MW from Siemens Company Germany.
 - Steam turbine generator 2x250MW from Mitsubishi Company Japan.
 - Heat Recovery Steam Generator (HRSG) from Alstom Company France.
 - Potable water plant & demineralizing water plant & sewage plant & oily treatment plant and H2 generator plant.
 - Nubaria station colony.
 - Electrical Maintenance Department for Nubaria Power Station (3x750MW) Combined Cycle for the following:
 - High voltage (corrective & preventive maintenance for the following):
 - 16.5/500KV main transformers for Siemens gas turbines.
 - 15/500KV main transformers for Mitsubishi steam turbines.
 - 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.
- 500 MVA Tie transformers (500/220/11KV) from ZTR Ukrainian Company.
- 220KV Conventional Air Insulated Switchyard:
 - 4 Incoming feeders 220KV.
 - 8 Outgoing feeders 220KV.
 - 220KV Bus-Coupler.
- Live Line Insulator Washing System (LLIWS).
- DC System (Chargers & Batteries).
- Medium voltage & Low voltage and auxiliaries (corrective & preventive maintenance for the following):
 - Medium voltage 6.3KV switchgear with 4 incoming feeders.
 - 6.3/0.4KV dry transformers.
 - Motors Control Center (MCC).
 - Local distribution panels.
 - Low voltage induction motor.
 - Medium voltage induction motors.
 - Emergency diesel generators.
 - Electrical cranes.
 - Elevators.
 - Air compressors.
 - Power transformer.
 - Measuring potential & current transformer.
 - DC system (chargers & batteries).
 - UPS system.
 - Distribution DC system.
 - Lighting & earthing system.
 - Plant grounding.
 - Electric loop wiring test.
 - Insulation resistance test for all types of cables and bus ducts with high dc voltage.
 - Testing for motors (rotation direction, earthing, winding, insulation resistance, etc.).
- Generator Gas Turbine & Steam Turbine:
 - Generator auxiliary system.
 - Generator design & structure and visual check inside generator.
 - Maintenance for generator and troubleshooting.
 - Maintenance for generator auxiliary system.
- Excitation system:
 - Automatic voltage regulator (AVR).
 - Excitation rectifier.
 - Excitation transformer of steam turbine generator 15KV / 600V.
 - Excitation field circuit breaker.
 - Auto & Manual excitation control.
 - Excitation commissioning and start-up.
 - Excitation system maintenance and troubleshooting.

Dates : From Feb. 2004 till Apr. 2005
Employer : Ministry of Water Resources and Irrigation
Job title : Electrical Engineer
Job Description : Responsible for operation and maintenance section of water pump stations.