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Manager of Electrical Construction Dept.

Holds B. Sc. & M. Sc. degrees in Electrical Engineering and has about 17 years hands-on experience in Fossil Fuel power plants (Steam & Gas Turbines) from erection, commissioning through start-up and operation of power plants electric equipments including (Power generators, Transformers, MV/LV switchgear, GCBs, AC/ DC DP, IPB, UPS, Fire Fighting, GIS, AC/DC Motors, and all of other electric systems related to power plants). Familiar with feedback and start-up procedures of gas turbine units. Familiar with high voltage test arrangements. Familiar with all of safety site rules and instructions. Familiar with fast-track projects.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 15/02/1980
Gender : Male
Marital Status : Married
Residence : Assiut

EDUCATION

: B. Sc. in Electrical Power & Machines Engineering, Assiut University, 2001
: M. Sc. in Electrical Engineering, Assiut University, 2005
: Currently preparing for PhD degree

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

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

TRAINING COURSES AND CERTIFICATIONS

: Certificate from the Energy Learning Centre Recognizes of General Electric Company "GE Energy" for successfully completing EX2100 Generator Controls.
: Certificate from GE Energy Learning Centre – UK, for successfully completing a course covering FS9FA Gas Turbine Maintenance.
: Certificate that I have attended Professional Supervisory Skills program from MEIRC Training & Consulting.
: Nomination letter from Managing Director of Dubai Electricity & Water Authority that I have nominated for the team of the 2nd Quarter 2006 Award.

- : Certificate from HOPPECKE Batteries system, Germany that I have successfully participated in a Seminar about Nickel Cadmium Batteries Technology.
- : Certificate from SIEMENS that I passed successfully SCS System Maintenance/Operation training of 220KV substation.
- : Certificate from HYUNDAI Heavy Industries Co. that I passed successfully training course for maintenance of HHIB Transformers.
- : Attendance HYUNDAI Factory Acceptance Tests (FAT) of Power Transformers in Sofia, Bulgaria.
- : Recommendation letters from four professors in Assiut University recommended me for studies leading to the Ph.D. degree.
- : English language learning certificates from American University at Cairo AUC "301, 302, 303, 304 and 401 Levels".
- : Local TOEFL certificate in English language.
- : Passed successfully the following preparatory M. Sc. courses:
 - Numerical methods (computational methods & programming).
 - Advanced topics in control.
 - High voltage engineering.
 - Powers Electronics.
 - Advanced topics in energy conversion.
- : Passed successfully the following preparatory Ph.D. courses:
 - Applications of Electrostatic fields & Methods of determining electrostatic problems.
 - Advanced topics Electrical Power.
 - Advanced topics in Electrical Measurements.
 - Advanced topics in digital signal processing.
- : Summer trainings:
 - At Assiut Cement Company (Jul. 1999):
 - Transducers & Control systems.
 - AC & DC Motors, Generators and Circuit Breakers.
 - At Assiut Thermal Power Plant (Jul. 2000):
 - Main cycle of Thermal Power Plants and its electric components.
 - At El-Kapon making clothes factory, Damascus – Syria (Aug. 2000):
 - Transducers & Control systems.
 - Winding of AC motors (Induction Motors).

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Dec. 2014 till now
- Employer** : Upper Egypt Electric Production Company (UEEPC)
- Project** : Assiut Combined Cycle Power Plant 1500MW - Two 750MW (4x4x1)
- Job title** : Manager of Electrical Construction Dept.
- Job Description** :
- Erection, commissioning and maintenance of Generators 125MW.
 - Erection, commissioning and maintenance of Generators 250MW.
 - Erection, commissioning and maintenance of medium/low voltage switch gears.
 - Erection, commissioning and maintenance of 220KV switch gear and Protections.
 - Erection, commissioning and maintenance of Emergency / Black start-up systems.
 - Erection, commissioning and maintenance of GSU, UAT Transformers,

IPB and GCB.

- Familiar with using Protection testing kits like Omicron, ISA and others.
- Testing of G60, T60, Spam and SIEMNSE protection relays.
- Erection, commissioning of High voltage cables 220KV.
- Attendance and participate all of high voltage tests for 220KV switchgears/Cables.
- Attendance and participate all of site tests for Transformers, GCB and IPB.
- Attendance and participate Transformer Factory Tests in Sofia, Bulgaria.
- Attendance and participate Transformer Factory Tests in Changwan, South Korea.

Dates : Oct. 2017
Employer : CONTAQA Company
Project : Hydro Power Plant 4 x 12 MVA, Assiut, Egypt
Job title : Commissioning Manager
Job Description :

- High voltage test of Medium voltage switchgears / Cables.
- Oil filling activities of Power Transformers (66KV/11KV/11KV).
- Testing of Power Transformers (Winding – Turns Ratio – Tan Delta – Excitation).
- Testing of VTs and CTs.
- Secondary injection testing of medium voltage protection relays.
- Measurement of earth resistance.
- Testing of Dry Transformers.
- Measurement of Soil/Earth Resistivity.

Dates : From Jul. 2014 till Dec. 2014
Employer : Upper Egypt Electric Production Company (UEEPC)
Project : Assiut Thermal Power Plant (2x312MW)
Job title : Senior Electrical Maintenance Engineer
Job Description :

- Maintenance of synchronous generators (420 MVA).
- Maintenance of protection relays (Generators, Motors, CB.....etc.).
- Maintenance of low and medium voltage circuit breakers.
- Maintenance of 220KV switchgear and 220KV switchyard.
- Maintenance of AC & DC Motors.
- Maintenance of emergency power systems (UPS, Diesel Generators).
- Maintenance of low, medium and high voltage transformers.
- Maintenance of motorized valves.
- Maintenance of electric elevators, fire fighting systems, electric cranes and electric fork lift (electric traction).
- Major overall of 312MW synchronous generator including (Re-winding & Re-wedging) of generator stator.
- Major overall maintenance of power transformers 420 MVA including (Dismantling of active part and Bushing, Testing and Commissioning).

Dates : From May 2014 till Jun. 2014
Employer : Ansaldo Italy

Project : 6th October Simple Cycle Power Station (2x150MW), phase II, Egypt
Job title : Commissioning/Start-up Engineer
Job Description :

- Commissioning of low voltage AC distribution panels.
- Commissioning 6.3KV medium voltage switchgear.
- Commissioning and start-up of low voltage motors based on DCS systems.
- Commissioning of DC distribution panels, Chargers and UPS systems.
- Commissioning of HVAC systems.
- Commissioning of main Generator Auxiliaries.
- Commissioning of Black start/Emergency diesel generator.
- Filling-up of all of test sheets.
- Start-up of gas turbine units.
- Carrying out all of Generator/Transformers site tests.
- Carrying out High voltage test of MV bus bars.

Dates : From Mar. 2012 till May 2014
Employer : Upper Egypt Electric Production Company (UEEPC)
Project : Assiut Thermal Power Plant (2x312MW)
Job title : Electrical Maintenance Engineer
Job Description :

- Maintenance of synchronous generators (420MVA).
- Maintenance of protection relays (Generators, Motors, CB, etc.).
- Maintenance of low and medium voltage circuit breakers.
- Maintenance of 220KV switchgear and 220KV switchyard.
- Maintenance of AC & DC Motors.
- Maintenance of emergency power systems (UPS, Diesel generators).
- Maintenance of low, medium and high voltage transformers.
- Maintenance of motorized valves.
- Maintenance of electric elevators, fire fighting systems, electric cranes and electric forklift (electric traction).
- Major overall of 312MW synchronous generator including (Re-winding & Re-wedging) of generator stator.
- Major overall maintenance of power transformers 420 MVA including (Dismantling of active part and Bushing, Testing and Commissioning).

Dates : From Jan. 2012 till Mar. 2012
Employer : [EGYPTROL](http://www.egyptrol.com), Commissioning Subcontractor for ANSALDO ENERGIA
Project : 6th October Power Station (600MW)
Job title : Commissioning & Start-up Engineer
Job Description :

- Commissioning of medium voltage switchgears.
- Commissioning of low voltage AC distribution panels.
- Commissioning and start-up of low voltage motors based on DCS systems.
- Commissioning of DC distribution panels, Chargers and UPS systems.
- Commissioning of HVAC systems.
- Commissioning of main Generator Auxiliaries.
- Commissioning of Black start/Emergency diesel generator.
- Arrangement of testing sheets.
- Start-up of gas turbine units.
- Carrying out all of Generator/Transformer site tests.

Dates : From Jun. 2010 till Jan. 2012
Employer : Upper Egypt Electric Production Company (UEEPC)
Project : Assiut Thermal Power Plant (2x312MW)
Job title : Electrical Maintenance Engineer
Job Description :

- Maintenance of synchronous generators (420MVA).
- Maintenance of protection relays (Generators, Motors, CB, etc.).
- Maintenance of low and medium voltage circuit breakers.
- Maintenance of 220KV switchgear and 220KV switchyard.
- Maintenance of AC & DC Motors.
- Maintenance of emergency power systems (UPS, Diesel generators).
- Maintenance of low, medium and high voltage transformers.
- Maintenance of motorized valves.
- Maintenance of electric elevators, fire fighting systems, electric cranes and electric forklift (electric traction).
- Major overall of 312MW synchronous generator including (Re-winding & Re-wedging) of generator stator.
- Major overall maintenance of power transformers 420 MVA including (Dismantling of active part and Bushing, Testing and Commissioning).

Dates : From Feb. 2009 till Jun. 2010
Employer : [EGYPTROL](http://www.egyptrol.com), Seconded to ABB Manheim
Project : Qatalum CCPP (2x750MW), Doha – Qatar
Job title : Commissioning Manager & Deputy Site Manager for ABB Scope
Job Description :

- Erection and commissioning of SF6 Generator circuit breaker (GCB).
- Erection and commissinoing of Automatioc voltage regulator (AVR) panels.
- Erection and commissinoing of power transformers up to 500 MVA.
- Erection and testing of high voltage cables (220KV and 400KV).
- Erection and testing of indoor 220KV GIS and outdoor 400KV GIS.
- Erection and testing of Isolated pressurized busduct IPB (15.75KV).
- Erection and commissinoing of AC/DC distribution boards.
- Back feed and start-up of gas turbine units.
- Filling-out of test sheets.
- Carrying out of all Power transformer site tests.
- Carrying out high voltage test of H.V. cables and GIS switchgear.
- Follow-up all of activates/meetings with client.

Dates : From Apr. 2007 till Feb. 2009
Employer : Upper Egypt Electric Production Company (UEEPC)
Project : Assiut Thermal Power Plant (2x312MW)
Job title : Electrical Maintenance Engineer
Job Description :

- Maintenance of synchronous generators (420MVA).
- Maintenance of protection relays (Generators, Motors, CB, etc.).
- Maintenance of low and medium voltage circuit breakers.
- Maintenance of 220KV switchgear and 220KV switchyard.
- Maintenance of AC & DC Motors.
- Maintenance of emergency power systems (UPS, Diesel generators).
- Maintenance of low, medium and high voltage transformers.

- Maintenance of motorized valves.
- Maintenance of electric elevators, fire fighting systems, electric cranes and electric forklift (electric traction).
- Major overall of 312MW synchronous generator including (Re-winding & Re-wedging) of generator stator.
- Major overall maintenance of power transformers 420 MVA including (Dismantling of active part and Bushing, Testing and Commissioning).

Dates : From Feb. 2006 till Apr. 2007
Employer : Dubai Electricity & Water Authority, UAE
Project : E-station, K-station and L-station
Job title : Electrical Maintenance Engineer
Job Description :

- Maintenance of synchronous generators (more than 120MW).
- Maintenance of protection relays (Generators, Motors, CB, etc.).
- Maintenance of low and medium voltage circuit breakers.
- Maintenance of AC & DC Motors.
- Maintenance of emergency power systems (UPS, Diesel generators).
- Maintenance of low, medium and high voltage transformers.
- Major overhaul of 120MW synchronous generator including (Re-wedging & Resin injection) of generator stator winding.

Dates : From Mar. 2002 till Feb. 2006
Employer : Upper Egypt Electric Production Company (UEEPC)
Project : Assiut Thermal Power Plant (2x312MW)
Job title : Shift Operation Engineer
Job Description :

- Operation of 312MW steam turbines and its auxiliaries.
- Operation of 312MW steam boilers and its auxiliaries.
- Operation of 220KV switchgear.
- Co-operate maintenance staff during overall maintenance periods.

Dates : From Oct. 2001 till Mar. 2002
Employer : Middle Egypt Electricity Distribution Company (MEEDC)
Project : Assiut Distribution Sector
Job title : Electrical Engineer
Job Description :

- Studying scientific problems like (power factor improvement and reducing network losses).
- SCADA System Engineer.

Published Papers:

- Mazen Abdel-Salam, Yassin M.Y. Hasan, Mohamed Sayed and Salah Abdel-Satar, "Partial Discharge Classification through Wavelet Packets of their Modulated Ultrasonic Emission", Proceeding of the Fifth International Conference on Intelligent Data Engineering and Automated Learning (IDEAL' 04), pp 540-545, Exeter, UK, Aug. 25-27, 2004.
- M. Abdel-Salam, Y. M. Y. Hasan, M. Sayed and S. Abdel-Satar, "Neural Networks Recognition of Weak Points in Power Systems Based on Wavelet Features", Accepted for presentation at the 18th International

CIREC Conference & Exhibition on Electricity Distribution, Turin, Italy,
Jun. 6-9, 2005.