

Holds a B. Sc. in Electrical Power & Machines Engineering and has over 10 years hands-on experience working in construction, maintenance and commissioning at El-Kureimat III Combined Cycle Power Plant.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 20/08/1984
Gender : Male
Marital Status : Married
Residence : Giza, Cairo

EDUCATION

: B. Sc. in Electrical Power & Machines Engineering, Fayoum University, 2006

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

- : Training program (plc control - Scada control - automatic control) by Expertise of Egyptian/Swedish Association for Friendship and International Co-operation, Garden City - Cairo (Jun. 2012).
- : Cathodic protection system of power plants by Arab Contractors and Warley Parsons (CACWP) Company, Training Center of Upper Egypt Electricity Production Company, El-Kureimat (Jun. 2010).
- : On-shore training for steam turbine including electrical systems by ALSTOM Power Systems Plant Company, Training Center of Upper Egypt Electricity Production Company (Feb. 2010).
- : On-shore training for gas turbine including electrical systems by Techinit Cimi Montibi Company (TCM), Training Center of Upper Egypt Electricity Production Company, El-Kureimat (Jun. 2009).
- : Off-shore training in CMI Company for Heat Recovery Steam Generators Systems, Seraing, Liege – Belgium (May 2009).
- : Electrical Elevator by UFTAS ELEVATORS Company, El-Kureimat III Power Station (Oct. 2008).

- : On-shore training for gas turbine including electrical systems by General Electrical (GE) Company, Training Center of Upper Egypt Electricity Production Company (Jul. 2008).
- : Basics of automatic control, Training Center of Upper Egypt Electricity Production Company, El-Kureimat (Nov. 2007).

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Sep. 2014 till now
- Employer** : Upper Egypt Electricity Production Company (UEEPC)
- Project** : El-Kureimat III Combined Cycle Power Plant (750MW)
- Job title** : Electrical Maintenance Engineer
- Job Description** : Responsible for PM maintenance and testing of electrical system of the combined cycle module:
- Generator (GE - 15.75KV) and protection system.
 - Excitation system GE (EX2100).
 - Starting system GE (LS2100) for gas turbine generator.
 - Generator (ALSTOM - 19KV) and protection system.
 - Excitation system (ALSTOM).
 - Main Transformers TAMINI (15.75/220KV).
 - Main Transformers HYUNDAI (19/220KV).
 - Unit Auxiliary Transformers TAMINI (15.75/6.3/6.3KV).
 - Generator Circuit Breakers (ABB - HEC100M).
 - MV Switchgear (Schneider).
 - AC LV Switchgear (Load Center, MCC) ABB.
 - Batteries and Battery chargers and Uninterruptible Power Supply (UPS).
 - Medium & Low voltage cable, Interior and Exterior Illumination, Low current).
 - MV and LV motors.
 - Cathodic protection system for gas and water lines of power plant.

- Dates** : From Mar. 2014 till Sep. 2014
From Mar. 2013 till Nov. 2013
- Employer** : ISCOA (Industrial Services Company of Saudi Arabia), a SIEMENS COMPANY
- Job title** : Electrical Instructor Engineer (in ISCOA Training Center)
- Job Description** : The courses which instructed it and make the Manuel training:
- Generator Maintenance (SEC-Gazan-2013).
 - Generator Operator Maintenance and Troubleshooting (SEC-Gazan-2013).
 - Transformer Inspection (SEC-Gazan-2013).
 - HV Switching (SEC-ABHA-2013).
 - Capacitor Banks (SEC-ABHA-2013).
 - Intermediate Hot line maintenance 69KV and 115KV (SEC-ABHA-2013).
 - Introduction to exciter – AVR (SEC-ABHA-2013).
 - Preventive maintenance for electrical equipment (SEC-Dammam-2013).
 - Electrical Safety for Utilities (SEC-Dammam-2013).
 - UPS, Charger and Chargers (SABIC-Jubil-2013).
 - Maintenance of Circuit Breakers and Switchgears (SEC-Riyad-2014).

- Reading Electrical Drawing - (ABB) (SEC-Jeddah-2014).
- Electrical controls & drawings (SEC-Jeddah-2014).
- AC Electrical Motors and Drives Trbls Maintenance and Protection.
- Electrical Equipments, Testing and Maintenance.
- Basic of Current Transformer.
- Circuit Breaker Schematic Diagram Troubleshooting.
- Electromagnetic fields and waves.
- Operation and Maintenance of High Voltage Circuit Breakers.
- Distribution transformer Maintenance and Inspection.
- Corrosion in Power Plant.
- Cathodic protection maintenance and troubleshooting.
- Motor Testing and Maintenance.
- MV Circuit Breaker Maintenance and Testing.
- Electrical Drawing and Wiring.
- Introduction to Microprocessor Relay.
- Transformer Operation Principles, Selection and Troubleshooting.
- Power System Protection.
- Power Factor Correction.
- Digital and numerical relays.
- Electric drive speed control and maintenance.
- Testing of VFD.
- Overhead line patrolling.
- Transformers Fundamentals Operations and Maintenance.
- Corrosion Control by Cathodic Protection.

Dates	:	From Aug. 2010 till Mar. 2013
Employer	:	Upper Egypt Electricity Production Company (UEEPC)
Project	:	EI-Kureimat III Combined Cycle Power Plant (750MW)
Job title	:	Electrical Maintenance Engineer
Job Description	:	<p>Responsible for PM maintenance and testing of electrical system of the combined cycle module:</p> <ul style="list-style-type: none"> • Generator (GE - 15.75KV) and protection system. • Excitation system GE (EX2100). • Starting system GE (LS2100) for gas turbine generator. • Generator (ALSTOM - 19KV) and protection system. • Excitation system (ALSTOM). • Main Transformers TAMINI (15.75/220KV). • Main Transformers HYUNDAI (19/220KV). • Unit Auxiliary Transformers TAMINI (15.75/6.3/6.3KV). • Generator Circuit Breakers (ABB - HEC100M). • MV Switchgear (Schneider). • AC LV Switchgear (Load Center, MCC) ABB. • Batteries and Battery chargers and Uninterruptible Power Supply (UPS). • Medium & Low voltage cable, Interior and Exterior Illumination, Low current). • MV and LV motors. • Cathodic protection system for gas and water lines of power plant.

Dates : From May 2009 till Aug. 2010
Employer : Upper Egypt Electricity Production Company (UEEPC)
Project : El-Kureimat III Combined Cycle Power Plant (750MW)
Job title : Electrical Commissioning & Testing Engineer
Job Description :

- Transformers tests (Function test - Megger test - High potential test - Turns ratio test - Dc resistance test - Mechanical/electrical protection - Dielectric oil test, etc.).
- Generator tests (Stator insulation test - rotor insulation test - DC resistance of field winding - Bearing insulation test - High potential test - over/under excitation).
- Motors tests (Function test - Megger test - polarization index - phase rotation - Heat run test....etc.).
- Generator circuit breaker (ABB HEC100M 15.75KV) tests (Megger test - High potential test - Contact resistance - (trip/close) on/off Time - Function test (local/remote operation)).
- Medium voltage switchgear 6.3KV tests (Megger test - High potential test - Contact resistance test - (trip/close) on/off Time test - Mechanical/electrical interlock test).
- VT Tests (Megger test - Turns ratio test - Dc resistance test).
- CT Tests (Megger test - Turns ratio test - Dc resistance test - polarity test - saturation curve).
- DC system: batteries, battery charger and UPS (battery filling and charging and discharging test - check battery charger operation mode (floating - equalizing - boost) - test all alarms for battery charger and UPS - test Inverter modes of operation (inverter - bypass - manual bypass).
- Bus Bar tests (Megger test - High potential test).
- Cables tests (Megger test - High potential test).
- AC/DC Loop check and continuity test.
- Function test for all (panels - MCC).

Dates : From Feb. 2007 till May 2009
Employer : Upper Egypt Electricity Production Company (UEEPC)
Project : El-Kureimat III Combined Cycle Power Plant (750MW)
Job title : Electrical Construction Engineer
Job Description :

- Responsible for construction of the combined cycle module (gas turbines part).
- Responsible for construction of the combined cycle module (steam turbine part).
- Responsible for electrical drawings review and approval according to the contract specification requirements.
- Responsible for commissioning and testing of electrical systems according to the Contract Specification Requirements.
- Coordination and supervision of all contractors electrical works and identify any deviation from the contract for the following contractors:
 - General Electrical (GE) Company, two F9 Gas Turbines.
 - Consortium of Arab Contractors and Warley Parsons (CACWP).
 - Techint Cimi Montubi Company (TCM).
 - ALSTOM Power Systems Plant Company.
 - INITEC Energia Company.

- CMI Energy Heat Recovery Systems Company.
- Scope of work:
 - Generator (GE - 15.75KV) and protection system.
 - Excitation system GE (EX2100).
 - Starting system GE (LS2100) for gas turbine generator.
 - Generator (ALSTOM - 19KV) and protection system.
 - Excitation system (ALSTOM).
 - Main Transformers TAMINI (15.75/220KV).
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 - MV Switchgear (Schneider).
 - AC LV Switchgear (Load Center, MCC) ABB.
 - Batteries and Battery chargers and Uninterruptible Power Supply (UPS).
 - Medium & Low voltage cable, Interior and Exterior Illumination, Low current).
 - MV and LV motors.
 - Cathodic protection system for gas and water lines of power plant.