

104947-ELE-145MOS-E-2004
Senior Electrical Maintenance Engineer

Holds a B. Sc. in Electrical Power & Machines Engineering and has over 17 years hands-on experience working in maintenance, operation and commissioning at several Power Plants.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 15/12/1982
Gender : Male
Marital Status : Married
Residence : Cairo

EDUCATION

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

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

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

TRAINING COURSES AND CERTIFICATIONS

- : Successfully completed HYUSONG Transformers operation, maintenance & troubleshooting Vendor training at ERC Company.
- : Successfully completed THERMON Heat Tracing operation, maintenance & troubleshooting Vendor training at ERC Company.
- : Successfully completed CATHODIIC PROTECTION SYSTEMS operation, maintenance & troubleshooting Vendor training at ERC Company.
- : Successfully completed PDCS (Power Distribution Control System SCADA) Vendor training by EINSTEC at ERC Company.
- : Successfully completed ABB LV Switchgear and MCC operation, maintenance & troubleshooting Vendor training at ERC Company.
- : Successfully completed training about Saudi Electric Company (SEC) PERMIT TO WORK SYSTEM (PTW), Authorized receiver (5 Stars) PROCEDURES in PP#12, Saudi Arabia (Dec. 2016).
- : Successfully completed Working Safely course approved and validated by Institution of Occupational Safety and Health (IOSH) in association with PARSONS BRINCKERHOFF (ME) LTD by Mr. Charlie McLaughlin (Apr. 2015).

- : Successfully completed training about PERMIT TO WORK SYSTEM (PTW) And LOCK-OUT TAG-OUT (LOTO) PROCEDURES in BEMCO Training Center in PP#10, Saudi Arabia (Jul. 2012).
- : Successfully completed the training about Generator Maintenance and protection, Transformer maintenance, Excitation system and Motor Maintenance, in ALSTOM POWER SYSTEM Company Training Center in Germany, France (Jun./Jul. 2009).
- : Successfully completed training about Transformers Maintenance in Electrical Network Training Center, Giza, Egypt (15 days).
- : Successfully completed the training about Operation of Steam Power Plant, Operation of GT Power Plant in El-Kureimat Training Center, Egypt: the training includes all electric & mechanical information about all power plant types, all data about Siemens gas turbine, start-up & shutdown procedure, normal & emergency operation, troubleshooting, 6.3KV switch gear, 400 V load center, generator & transformer protection and diesel generator (from Mar. till Jun. 2007).

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Sep. 2018 till now
- Employer** : EMC
- Project** : Egyptian Refinery Company (ERC) at Mostrod, Egypt
- Job title** : Senior Electrical Maintenance Engineer
- Job Description** :
- Working as an Electrical Engineer at the commissioning, start-up and maintenance phases, responsible for follow up and supervision of the commissioning, function tests and SAT (Site Acceptance Tests) of the electrical equipment, such as:
 - Tests of 11KV, 6.6KV and 400 V motors and their MCC's.
 - SAT for Several models of VFD's (ABB, SCHNEIDER and HYUNDAI).
 - Witness for (33KV, 11KV, 6.6KV) SCHNEIDER Switchgears with their MICOM protection relays (P141, P142, P143, P243, P543, P642, P643) and 400V Switchgear ABB with their protection relays REF615, REF620, M102 protection relay.
 - SAT for SCHNEIDER GUTOR 220 VAC & 110 VDC UPS systems.
 - Cathodic Protection systems and their components and control panels.
 - Heat Tracing systems and their components and control panels.
 - SAT for 6.6KV Emergency Diesel Generator (HYUSONG) and its related auxiliaries & MCC.
 - Leading, supervision and follow up the manpower and maintenance activities to insure all jobs are executed safely according to the procedures, standards and company policy.
 - Responsible and Authorized for Electrical Isolation of both Medium Voltage and Low Voltage electrical equipment safely and competently and the required maneuvering, operation and switching scenarios for safe work environment.
 - Preparing, Performing and scheduling of preventive maintenance work instructions, job safety analysis (JSA), materials issuing & purchasing for site's equipment.
 - Execution and follow-up of the operation, maintenance and

troubleshooting of a wide variety of equipment.

- Troubleshooting electrical equipment circuitry and revising protection settings.

Dates : From Apr. 2014 till Jul. 2018
Employer : Arabian BEMCO Contracting Industrial Co.
Project : Riyadh Power Plant #12 (RPP 12), Saudi Arabia
(8 gas turbines frame (7FA.05) + Balance of the Plant and facilities for simple cycle GTG (MV/LV 13.8KV, 480V SWGRs, ASL unloading, treatment and forwarding, distillate unloading and forwarding, Fuel Gas system, EDG in addition to Air Compressors and fire water system as common systems)
Job title : RPP #12 Combined Cycle Operation & Maintenance, Deputy Manager
Job Description :

- Over-all direct and supervision of the three maintenance sections, Mechanical, Electrical, and Instrument, in the power plant of a well-organized system of maintenance management planning and works control, equipment's corrective / preventive maintenance until the Final Acceptance Certificate (FAC).
- Preparation and review of the "Maintenance Activities Program" with the various Maintenance Groups and Shift leaders.
- Coordinate with the warehouse Section and Planning Engineer of the Company regarding the continuous availability of spare parts and consumables to ensure a high degree level of equipment maintenance.
- Coordinate with SEC (Owner)/ Consultant team regarding fuel/ water supply, power generation network and Grid Control.
- Ensure that Operation and Maintenance are carried out in accordance with Safety Rules and in Safe manner.
- Report the Incident / Event / Failure Reports of systems and/or equipment by ensuring that Facts are correctly and completely reported to Project management.
- Represent the contractor with regard to all technical and safety Issues related to the Operation & Maintenance of power plant and PTW/CTA.
- Monitor the implementation of the CCP12 Project Commissioning Safety Rules and advice of any problems that may arise.

Dates : From Oct. 2012 till Apr. 2014
Employer : Arabian BEMCO Contracting Industrial Co.
Project : Qurayyah Combined Cycle Power Plant, Saudi Arabia
The project consists of 15 HRSG Vertical type (exhaust flow gases from 15 gas turbines GE frame 9FE and control system is Mark Vie) + 5 steam turbine GE + Demin & Remin water plant + Hypocolorinatin plant.
Job title : Electrical Engineer in Maintenance & Operation department for Project "C"
Job Description :

- Preventive / Corrective maintenance activities of electrical equipment's as per periodical schedule.
- Support for our construction and commissioning works and doing necessary coordination with client to carry out our job in smoothly and quickly.
- Coordinating with client to get work permits and doing necessary isolation and normalization of electrical system according to the PTW/LOTO system in order to perform the work in safety way and without any disturbance of operational system.

- Work permit PTW issuer in Clearance and tagging authority (CTA) according to the PTW/LOTO system.
- Maintain safe and healthy work environment by following and enforcing standards and procedures; complying with legal regulations.
- Fast acting in emergency cases.

Dates : From Jun. 2012 till Oct. 2012

Employer : Arabian BEMCO Contracting Industrial Co.

Project : Riyadh Power Plant #10 (RPP#10), Saudi Arabia
(Block "C-1" 8 gas turbines frame (7EA) + BOP)

Job title : Electrical Engineer in Maintenance / CTA & Operation department

Job Description :

- Preventive maintenance activities of electrical equipment.
- Support for our construction and commissioning works and doing necessary coordination with client to carry out our job in smoothly and quickly.
- Coordinating with client to get work permits and doing necessary isolation and normalization of electrical system according to the PTW/LOTO system in order to perform the work in safety way and without any disturbance of operational system.
- Work permit issuer in Clearance and tagging authority (CTA) according to the PTW/LOTO system.
- Maintain safe and healthy work environment by following and enforcing standards and procedures; complying with legal regulations.
- Fast acting in emergency cases.

Dates : From Feb. 2007 till May 2012

Employer : Upper Egypt Electricity Production Company

Project : EL-KUREIMAT (II) POWER STATION COMBINED CYCLE 750MW, Egypt
It was a new plant. Erection started on 2005 based on the following:

- 2 Gas Turbines V94.3A, 250MW SIEMENS, TELEPERM XP control system.
- 1 Steam Turbine, 250MW (HITACHI), MARK (VI) control system.
- 2 Heat Recovery Steam Generation (CMI SKODA – BELGIUM).
- 1 Water Treatment Plant (Demi and Potable) and water intake.
- The plant is controlled via EMERSON –WDPF DCS control system.
- High voltage substations SIEMENS 220KV GIS (gas insulated switch yard), 1.5 CB arrangements.
- The switch yard contains connections of (6 generators, 8 outgoing & 6 power transformers).

Job title : Electrical Maintenance & Protection Engineer

Job Description :

- Testing and Protection Engineer for SIPROTEC – Numerical Protection Devices of generator, transformer, medium voltage and high voltage substations (since 15/9/2009).
- Maintenance of Generator, Generator Aux., Power Transformers, SWGRs, motors, MCC.
- Testing of MV, HV GIS, Power Transformers, SWGR.
- Uninterrupted power supply (UPS), batteries chargers, Batteries maintenance and DC Switchgear.
- Prediction maintenance by thermal scan camera for transformer, motor

- and all outdoor electrical networks.
- Responsible for the safe and proper operation of a power plant.
- Fast acting in emergency cases.

Dates : From Jul. 2005 till Feb. 2007
Employer : Surnaga Factory for Ceramic, Egypt
Job title : Electrical Maintenance Engineer
Job Description : Maintain all electrical equipment's inside the factory as:

- Low voltage motors.
- Electrical panels of low voltage.
- Motors control centers and automatic control, PLC.
- Low voltage transformers.
- Switch gears.

Dates : From Jan. 2005 till Jun. 2005
Employer : El Sondos Co., Egypt
Job title : Sales Engineer
Job Description : Electrical and mechanical trading.