

Holds a B. Sc. in Electrical Power & Machines Engineering and has about 14 years hands-on experience working as Electrical Engineer in Fossil Fuel Power Station and Gas Turbines (GE) from testing through start-up and operation.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 21/07/1976
Gender : Male
Marital Status : Married
Residence : Giza, Cairo

EDUCATION

: B. Sc. in Electrical Power & Machines Engineering, Cairo University, 1999

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office (Word, Excel), Internet
: Software of protection devices & testing devices

TRAINING COURSES AND CERTIFICATIONS

: Operation basics by shift supervisors, El-Kureimat Thermal Power Plant, from Mar. till May 2000.
: Basics and site specifics training courses, constituting a program of concentrated study of power plant equipment and systems theory and application, El-Kureimat Thermal Power Plant, operation by FCS, 4 weeks.
: MS9001FA Gas Turbine Operation & Mark VI controls by GE instructors, 6 weeks on-site course, May/Jun. 2008.
: MS9001FA Gas Turbine Mark VI controls by the GE instructors.
: In Schenectady, NY – USA:

- MS9001FA GE Gas Turbine Generator Maintenance
- Main GE Generator Controls
- Mark VI GE Maintenance
- MS9001FA GE Gas Turbine Operation

: Summer training: First and second year in Iron & Steel factory.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Aug. 2013 till now
Employer : Alkhorayef Petroleum Company – Kuwait
Project : Kuwait Oil Company (KOC) Gathering Center Project
Job Description : Work as an Electrical Discipline Engineer, leading & responsible for all commissioning activities starting by preparing all commissioning procedures and then the maintenance strategy procedures for all electrical equipments.

Dates : From Dec. 2012 till Aug. 2013
Project : Al-Shabab Project
Job title : Senior Warranty Engineer
Job Description : Handling all client warranty claims with vendors and close all remaining punch points.

Dates : From Jan. 2012 till Dec. 2012
Employer : Kharafi National Company
Project : West Damietta Project 4x125MW GE 9FE Frame
Job title : Senior Electrical Commissioning Engineer
Job Description : Leading & responsible for all commissioning activities for HUYNDAI (220KV GIS) Switchyard which include but not limited to the following:

- CTs & VTs complete testing (Megger, wdg resistance, Polarity & Ratio).
- Local control panels (LCC) complete visual, internal wiring & loop check with the GIS equipments.
- Contact Resistance measurement for all sections according o factory test.
- Circuit Breakers Closing & Opening timing.
- DC System complete commissioning.
- Operation test for all GIS equipments (C.Bs, ESs & DSs) including the verification of all schematic diagram interlocking and associated alarms.
- Complete commissioning for related protection system which includes:
 - Secondary injection to the following relays to verify the approved settings:
 - MICOM P143 (Breaker Failure Relay).
 - MICOM P632 (Under Ground cable Differential).
 - MICOM P437 (Distance Relay Main 1).
 - MICOM P444 (Distance Relay Main 2).
 - MICOM P746 (Bus Bar Differential).
 - MICOM P141 (Back up Over current).
 - Function checks to verify all schematic drawings (Close, Trip, Block & loop check).
 - CTs Stability test by primary injection (200Amp.).
 - VTs loop check by secondary injection (57.73 V) up to all protection relays & control devices (Bay control Panels).

Dates : From Mar. 2011 till Jan. 2012
Employer : Kharafi National Company
Project : Al-Shabab 8x125MW Project (GE 9FE Frame Work)

Job title : Senior Electrical Commissioning Engineer

Job Description :

- Leading & responsible for all commissioning activities which include but not limited to the following:
 - MCC (IMSATE & INABENSA) drawers' inspection – interface between MCC & MKVI.
 - DC system which include Battery chargers & Batteries.
 - UBS System.
 - Generator control panel & interface between GIS, GCB & SWG.
- GLAC & GNAC CTs & VTs complete testing.
- Low & Medium voltage motors testing.
- Unit Auxiliaries: Transformers:
 - Testing (Ratio, wdg resistance at each tap, Megger, Tan Delta, oil break down voltage & function test for control cabinet and tap changer.
 - MV 6.3KV Switchgear and LV 0.4KV Switchgear.
 - Low voltage distribution & lighting system.
 - Generator Circuit Breaker (GCB).
 - Isolated phase bus duct.
 - Siemens 220KV Switchyard.
 - Water treatment plant (RO-Demi-Waste water).
 - Troubleshooting of all electrical problems.

Dates : From Apr. 2010 till Mar. 2011

Employer : New & Renewable Energy Authority (NREA)

Project : EI-Kureimat Solar Power Plant

Job title : Electrical Commissioning & Start-up Engineer

Job Description :

- Identifying inspection procedures & witnessing inspection tests & all Generator tests & function tests of electrical works such as:
 - Gas turbine: 96.4MVA, 11.5KV (GE).
 - HV transformer: 103 MVA, 66+_8x1.25% / 11.5KV ONAN/ONAF.
 - Steam Turbine: 96.93MVA, 11+_5%KV.
 - HV transformer: 66+_8x1.25%/11 KV ONAN/ONAF1.
- Also doing all commissioning activities for all other plant auxiliaries.

Dates : From Jan. 2007 till Mar. 2010

Project : EI-Kureimat III Combined Cycle 750MW:

- Gas Turbine by General Electric Company (GE)
- HRSG by CMI Company
- Steam turbine & generator by Alstom Company

Job Description :

- As Electrical Construction Engineer:
 - Supervision of all construction power and site development.
 - Supervision on site to resolve electrical problems.
 - Identify any deviation from the contract requirement and international electrical standards with PGESCO (Power Generation Engineering Service Company) team.
 - Follow up material delivery and inspection.
 - Supervision of the change notes and discussion its cost.
- As Electrical Commissioning Engineer:
 - Identifying inspection procedures & witnessing inspection tests, function tests of electrical works as:

- Generators:
 - Gas turbines: 339.5MVA, 15.7KV (GE).
 - Steam Turbine: 320MVA, 19KV (ALSTOM).
- HV transformers:
 - 220±4x2.5%/15KV, 200/266/333MVA ONAN/ONAF1/ONAF2 (Gas turbines).
 - 220\19KV, 204\272\340MVA ONAN/ONAF1/ONAF2 (Steam turbine).
- MV 6.3KV switchgear and LV 0.4KV switchgear.
- Battery chargers & batteries.
- Motor Control Center (MCC).
- Local control panels.
- Low voltage motors.
- Medium & low voltage cables.
- Low voltage distribution & lighting system.
- Isolated phase bus duct.
- Voltage transformer & current transformer.
- Fire alarm system.
- Interface between contractors activities.
- Follow up the change notes and its proposals.
- Follow up the spare parts and inspect it.
- Preparing punch lists and follows up of closing their items.
- Check the test procedure and test sheet.

- Dates** : From Mar. 2000 till Dec. 2006
- Project** : El-Kureimat Thermal Power Plant
- Job title** : Shift Engineer (Disk Operator)
- Job Description** :
- Following proceeding for system start-up.
 - Following proceeding for turbine cold and hot start-up.
 - Following proceeding for boiler cold and hot start-up.
 - Perform daily and weekly testing for system.
 - Following proceeding for unit load increasing and decreasing.
 - Monitor operation condition for the unit during normal operation.
 - Monitor turbine condition during normal operation through Mark V system.
 - Monitor boiler condition during normal operation through DCS system.
 - Following proceeding for unit (turbine, boiler and auxiliaries) shut down.
 - Perform main turbine warm up.
 - Working as a shift engineer in 500\220\11KV substation.
 - Doing the periodical maintenance for low and high voltage motors and motorize valves and motor control center breakers (MCC).
- Further experiences** :
- Follow up the change notes and its proposals.
 - Follow up the spare parts and inspect them.
 - Preparing punch lists and follows up of closing their items.
 - Prepare the test procedure and test sheet.