

Holds a B. Sc. in Electrical Power Engineering and has over 17 years hands-on experience in construction, maintenance, commissioning and start-up.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 26/04/1973
Gender : Male
Marital Status : Married
Residence : Mahmoudia

EDUCATION

: B. Sc. in Electrical Power Engineering, Menoufia University, 2000

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

- : Project Gas West Nile Delta, Bechtel and BP (2018):
 - EX-Certificate Level 1.2.
 - Performing Authority (PA).
 - Isolating Authority (ISA) Level 1.2.
 - Glanding Certificate (CMP).
 - Fall Protection.
 - Confined Space.
 - First Aid.
 - Firewatcher.
 - Basic Fire Fighting.
- : Maintenance Steam Turbine and Generator, Ansaldo Energia, Genoa – Italy (Jan. 2009).
- : Maintenance Gas Turbine, MHI Power Generation, El-Atf Site (Sep. 2009).
- : Maintenance Steam Turbine Generator, Ansaldo Energia, El-Atf Site (May 2010).
- : Maintenance 220KV Gas Insulated Switchgear, Siemens, El-Atf Site (Jun. 2009).

- : Substation Automation System, Siemens, EI-Atf Site (Jun. 2009).
- : CO2 Fire fighting system, Toshiba Plant System, EI-Atf Site (Aug. 2009).
- : Hydrogen Generation Plant, Toshiba Plant System & Service Corporation, EI-Atf Site (Aug. 2009).
- : Transformer protection, Toshiba Plant System, EI-Atf Site (May 2009).
- : Medium voltage switchgear 6.6KV, Schneider Electric, EI-Atf Site (Oct. 2009).
- : Water treatment system, Metito, EI-Atf Site (Sep. 2010).

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From May 2016 till Jul. 2019
- Employer** : Carlo Gavazzi
- Project** : BP West Nile Delta Gas Project
- Job title** : Electrical Engineer
- Job Description** :
- Electrical Pre-Commissioning, Dynamic Commissioning & Start-up (from Apr. 2018 till Jul. 2019):
 - Commissioning of Gas Turbine Generators 4x6MW Siemens Turbines.
 - Commissioning of Gas Turbine Generators 2x5MW Solur Turbine (Centaur 40).
 - Commissioning of 4 Flash Gas Compressors.
 - Commissioning of Emergency Diesel Generators (EDG).
 - Testing and Commissioning of Power Transformers (Turns Ratio - Saturation - Burden - Tan Delta) and Protection Relay Setting Checks (Alarm and Trip Settings).
 - Testing and Commissioning Switchboard Voltage (6.6KV - 3.3Kv-690v - 400v) (Protection Systems - Function Tests, Primary & Secondary Injections - Contact Resistance - Insulation Resistance - Hipot - Motor solo run).
 - Testing and Commissioning Cathodic Protection System (Underground Piping and Storage Tanks).
 - Testing and Commissioning UPS and Battery Charger (Function Check & Component).
 - Testing and Commissioning Gas Heater (Chromalox and Ex Heat) Low Pressure and High pressure Heater (Insulation Resistance - Functional Test).
 - Testing and Commissioning Trace Heating (Critical and Non-Critical Types) panels and outgoing circuits.
 - Testing and Commissioning of (High - Medium - Low) Voltage Motor.
 - Testing and Commissioning of Hvac (VFD - Fan - Panels - Outgoing Circuits).
 - Testing Signal to PMS Interface, ICSS Interface Between Yokogawa (PAS - SIS - FGS) with I&C (commands - Status - Process Variables - Set Points) for (Outgoing Feeders - Motor Pumps - Fans - Different Loads - different electrical systems).
 - Update the drawing to be matched by comparing the drawing with the actual (Point to Point) and making final revision for the drawing.

- Electrical Construction (from May 2016 till Apr. 2018).

Dates : From Jun. 2010 till May 2016

Employer : Middle Delta Company of Electricity Production

Project : EL-ATF Combined Cycle Power Station

Job title : Electrical Engineer

Job Description : Construction, Commissioning & Start-up the Electric System and Electrical Auxiliaries for Gas Turbine and Steam Turbine and Transformer.

- Testing and Commissioning Different Protection Devices:
 - MHI Generator Protection Relay Integrated Protection System (M- 3425).
 - MHI Excitation Transformer Protection Relay (M-3310).
 - Sepam Protection Relay (S20, S42, M41, M78).
 - Micom (P345, P141).
 - Transformer Protection and 220KV GIS Siemens (SPERITEC- 4).
 - Medium Voltage Switch Gear (6.6KV) (Schneider Electric).
 - High Voltage Switch Gear (220KV) One and Half Circuit Breaker (Gis) (Siemens).
 - Medium and Low Voltage Motor (Epara- Japan).
 - Gas Compressors (Siemens).
 - Power Transformer up to 400KV (Areva).
 - Excitation System with AVR.
 - Black Start Diesel Generators.
 - Ups System Gutor.
 - Sf6 Analyzer 973.
 - Hydrogen Filling System for Cooling Generator.
 - CO2 Fire Fighting System.
 - Hydrogen Releasing System by using Air after using CO.
 - Seal Oil System and Generator Conditioning System.
- Accept the Electrical completion of systems.
- Ensure that the Turnover Packages of systems from erection to commissioning and from commissioning to the owner in accordance with procedure/work instruction.
- Review handover packages discipline Site Activities and Handover Package Reviews and Audits.
- Participating as client representative in Electrical activity related to construction process "Erection, Installation, Test, etc. and ensure all Activities is according to the document of Manufacture of Equipment.
- Participating as client representative in the pre-commissioning, commissioning and start-up of all systems related to project.
- Keep a diary to record daily work, occurrences, problems, special information, etc. plus a list of pending items and shift handover notes.

Dates : From Sep. 2008 till Jun. 2010

Employer : Middle Delta Company of Electricity Production

Project : EL-ATF Combined Cycle Power Station

Job title : Senior Engineer Maintenance Electrical & Protection

Job Description :

- Responsible for all Periodic Tests and prepare reporting.
- Installation - Operating and Maintenance of Plants and Install LV, MV and HV Breakers, Switchgear, Protection Relays, Cables, Motors, GIS

and other HV Equipment.

- Analyze Turbine Faults, Investigate and Recommend.
- Make All Tests on the Generator (stator and rotor).
- Supervising Team of Electrical Engineer for Working Procedures - Compiling As Built Drawings and Final Hand Over Packs and working activities.

Dates : From Apr. 2002 till Sep. 2008
Employer : Middle Delta Company of Electricity Production
Project : Mahmoudia Combined Cycle Power Station
Job title : Shift Charge Engineer
Job Description :

- Performing the unit start-up and shutdowns.
- Monitor the operation of a power generating unit to ensure reliable and efficient generation.
- Analyze turbine faults, investigate and recommend solutions.

Using instruments:

- OMICRON CMC 356 – Primary Injection – Secondary Injection.
- CPM 500 (megger) digital micrometers for Contact resistance.
- TM 1600 circuit breaker analyzer (opening time – closing time).
- C.A 6423 CHAUVIN ARNOUX for Ground resistance.
- BITE2 (megger) for Internal impedance of battery.
- MULTI_RANGE MEGGER TESTER for Insulation resistance.
- R002 (DILO) Measuring device for SF6 percentage.
- R001 (DILO) Moisture meter for SF6 gas.
- PAUR oil tester DPA for measuring brake dawn voltage of oil.
- Cpc 100 multi function tester.
- C.T analyzer.